Full wwPDB NMR Structure Validation Report (i)

Mar 6, 2026 – 04:52 AM UTC

PDB ID	:	2L39 / pdb_00002l39
BMRB ID	:	17174
Title	:	Mouse prion protein fragment 121-231 AT 37 C
Authors	:	Christen, B.; Damberger, F.F.; Perez, D.R.; Hornemann, S.; Wuthrich, K.
Deposited on	:	2010-09-10

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

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

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

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

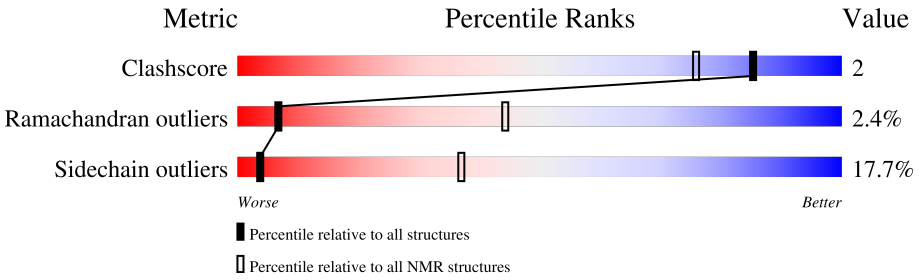
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 84%.

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



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

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

Mol	Chain	Length	Quality of chain
1	A	114	68% 20% 11%

2 Ensemble composition and analysis

This entry contains 20 models. Model 3 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *fewest violations*.

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:125-A:225 (101)	0.51	3

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

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

The models can be grouped into 4 clusters and 2 single-model clusters were found.

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 1809 atoms, of which 872 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Major prion protein.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	114	1809	580	872	165	183	9	0

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	119	GLY	-	SEE REMARK 999	UNP Q4FJQ7
A	120	SER	-	SEE REMARK 999	UNP Q4FJQ7

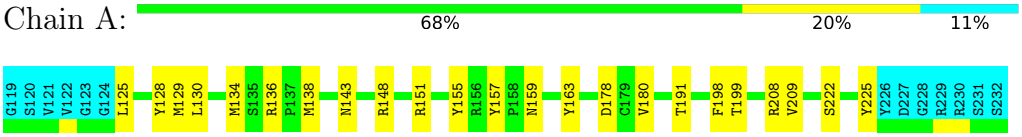
4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

• Molecule 1: Major prion protein

Chain A:



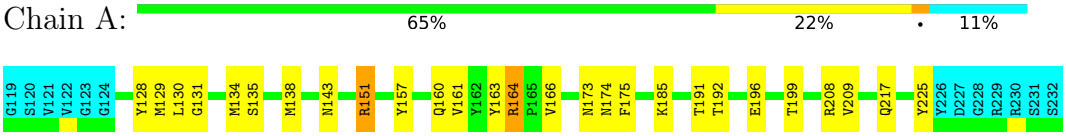
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Major prion protein

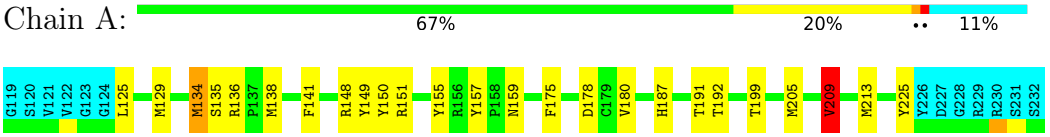
Chain A:



4.2.2 Score per residue for model 2

• Molecule 1: Major prion protein

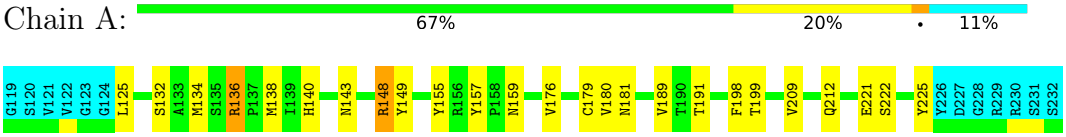
Chain A:



4.2.3 Score per residue for model 3 (medoid)

• Molecule 1: Major prion protein

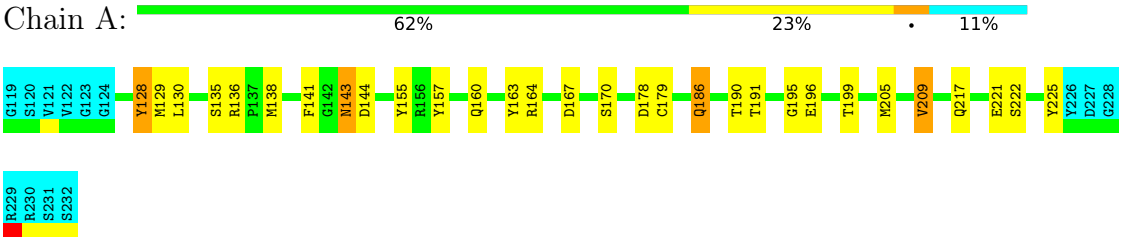
Chain A:



4.2.4 Score per residue for model 4

• Molecule 1: Major prion protein

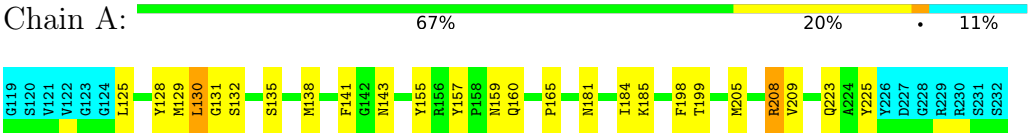
Chain A:



4.2.5 Score per residue for model 5

• Molecule 1: Major prion protein

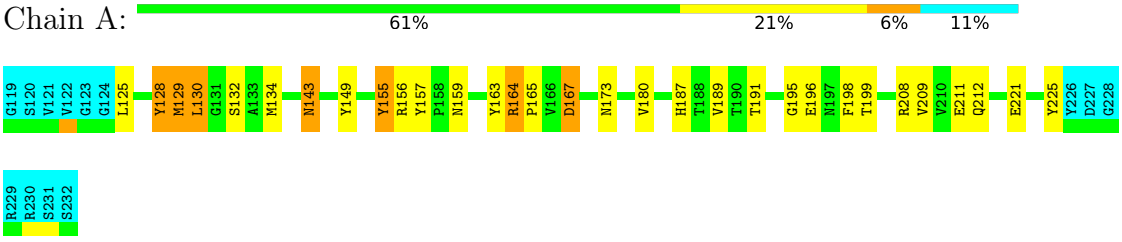
Chain A:



4.2.6 Score per residue for model 6

• Molecule 1: Major prion protein

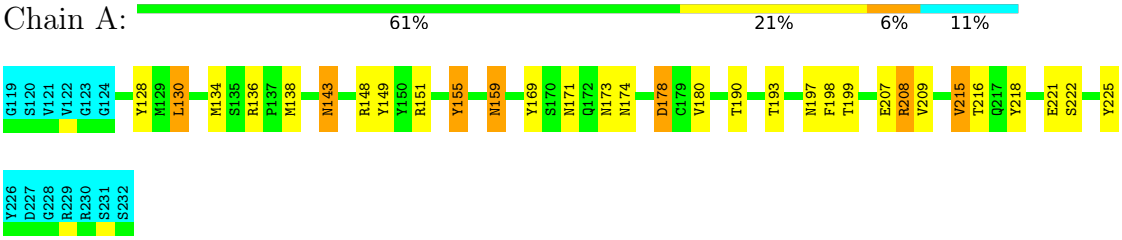
Chain A:



4.2.7 Score per residue for model 7

• Molecule 1: Major prion protein

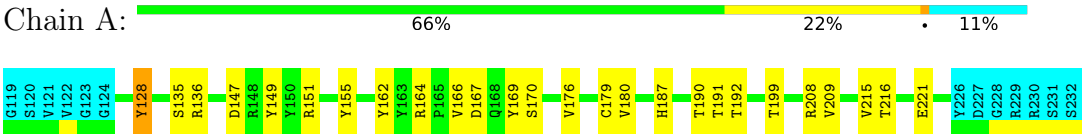
Chain A:



4.2.8 Score per residue for model 8

• Molecule 1: Major prion protein

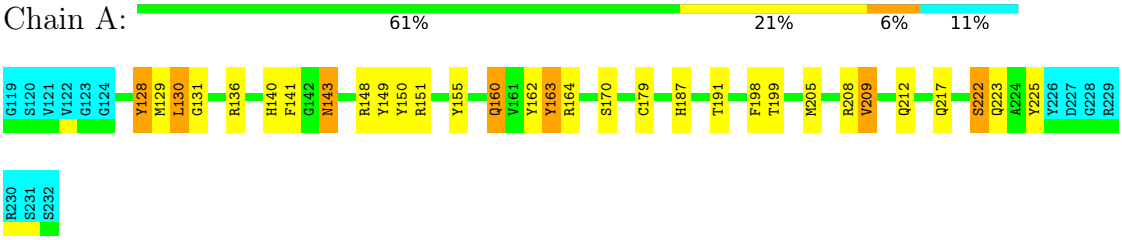
Chain A:



4.2.9 Score per residue for model 9

• Molecule 1: Major prion protein

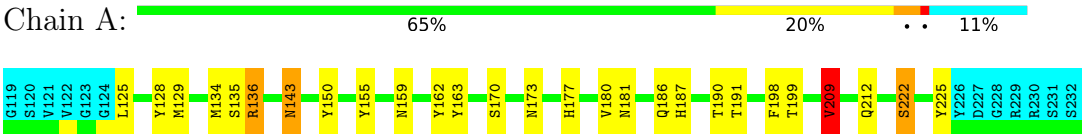
Chain A:



4.2.10 Score per residue for model 10

• Molecule 1: Major prion protein

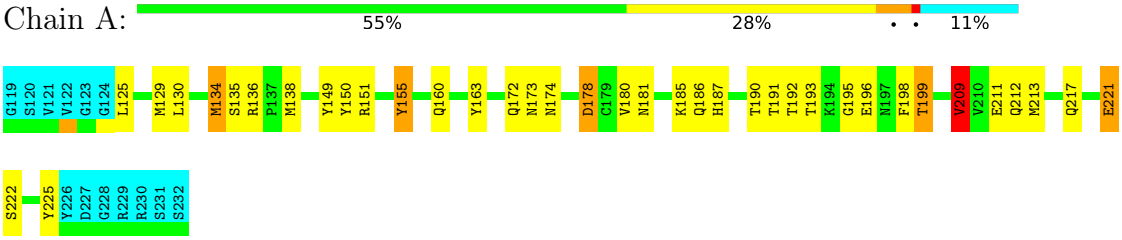
Chain A:



4.2.11 Score per residue for model 11

• Molecule 1: Major prion protein

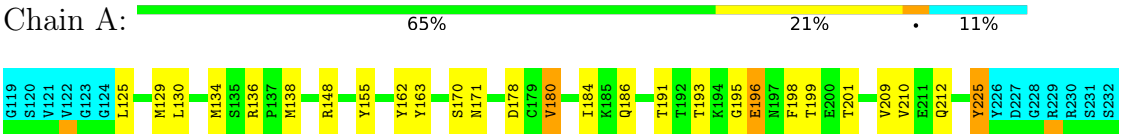
Chain A:



4.2.12 Score per residue for model 12

• Molecule 1: Major prion protein

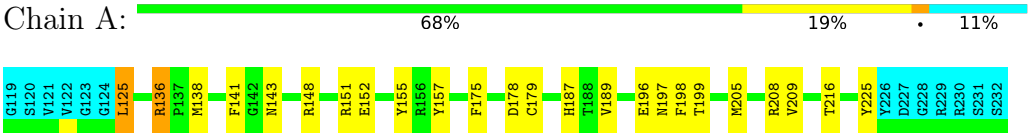
Chain A:



4.2.13 Score per residue for model 13

• Molecule 1: Major prion protein

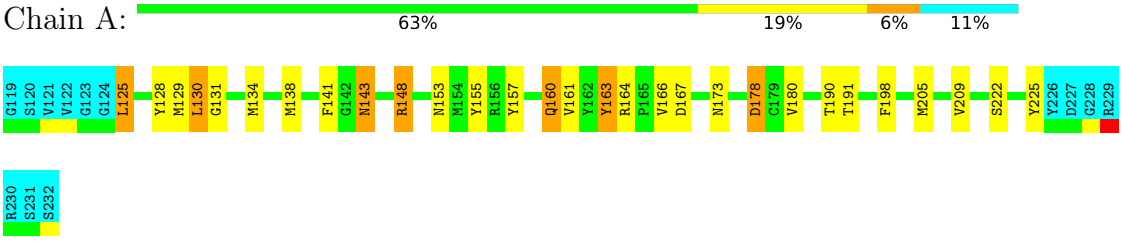
Chain A:



4.2.14 Score per residue for model 14

• Molecule 1: Major prion protein

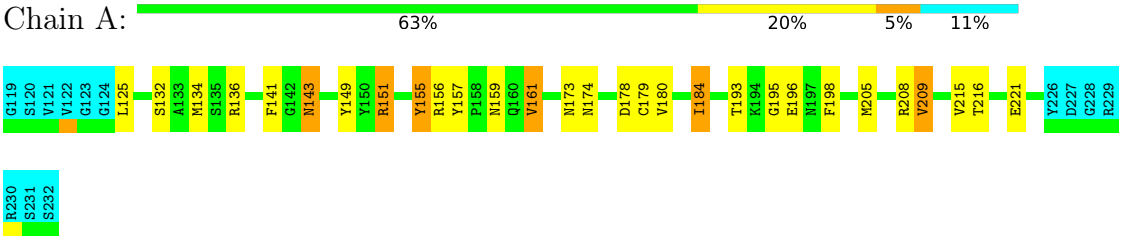
Chain A:



4.2.15 Score per residue for model 15

• Molecule 1: Major prion protein

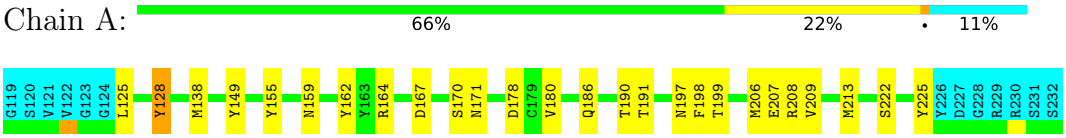
Chain A:



4.2.16 Score per residue for model 16

• Molecule 1: Major prion protein

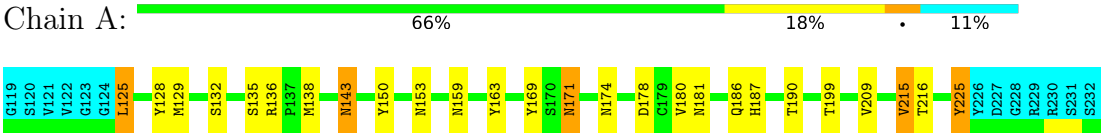
Chain A:



4.2.17 Score per residue for model 17

• Molecule 1: Major prion protein

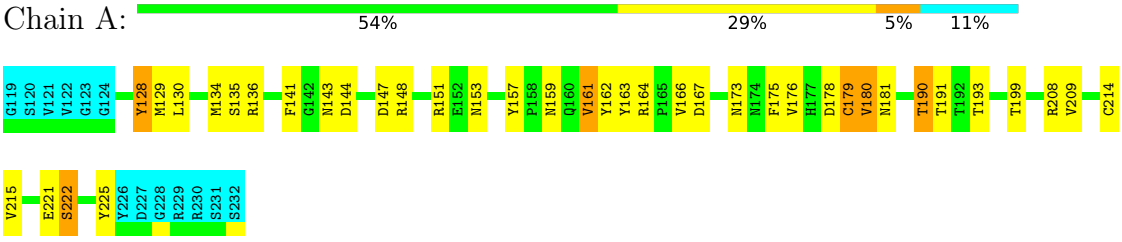
Chain A:



4.2.18 Score per residue for model 18

• Molecule 1: Major prion protein

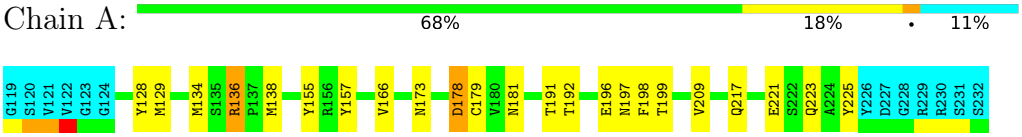
Chain A:



4.2.19 Score per residue for model 19

• Molecule 1: Major prion protein

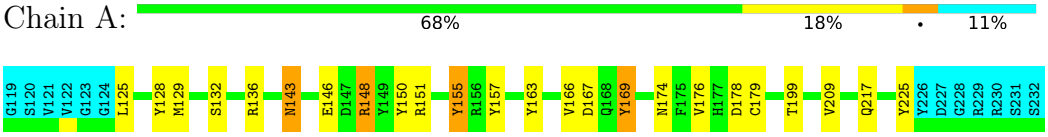
Chain A:



4.2.20 Score per residue for model 20

• Molecule 1: Major prion protein

Chain A:



5 Refinement protocol and experimental data overview

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

Of the 120 calculated structures, 20 were deposited, based on the following criterion: *target function*.

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

Software name	Classification	Version
DYANA	structure solution	1.0.3
OPALp	refinement	1.2

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	1294
Number of shifts mapped to atoms	1294
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	84%

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	0.70±0.01	0±0/868 (0.0± 0.0%)	1.50±0.04	4±2/1175 (0.3± 0.2%)
All	All	0.70	0/17360 (0.0%)	1.50	71/23500 (0.3%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	3.9±1.7
All	All	0	77

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(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	209	VAL	CA-CB-CG2	11.39	129.76	110.40	2	2
1	A	178	ASP	CA-CB-CG	7.94	120.54	112.60	19	4
1	A	167	ASP	CA-CB-CG	7.37	119.97	112.60	4	3
1	A	143	ASN	CA-CB-CG	7.07	119.67	112.60	14	8
1	A	215	VAL	CA-CB-CG1	6.49	121.44	110.40	17	2
1	A	189	VAL	CB-CA-C	6.48	116.82	111.05	3	2
1	A	130	LEU	CD1-CG-CD2	6.25	124.56	110.80	6	2
1	A	187	HIS	CB-CG-CD2	-6.16	123.20	131.20	2	8
1	A	175	PHE	N-CA-C	-6.02	103.48	111.24	18	2
1	A	184	ILE	CA-CB-CG1	5.90	120.43	110.40	15	2
1	A	189	VAL	N-CA-C	-5.62	107.18	111.62	3	2
1	A	222	SER	CA-C-N	5.57	128.06	120.54	10	3
1	A	222	SER	C-N-CA	5.57	128.06	120.54	10	3
1	A	161	VAL	CA-CB-CG1	5.55	119.83	110.40	15	2
1	A	209	VAL	CA-C-N	5.51	127.61	120.56	15	2

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	209	VAL	C-N-CA	5.51	127.61	120.56	15	2
1	A	147	ASP	CA-CB-CG	5.47	118.07	112.60	18	1
1	A	221	GLU	CB-CG-CD	5.46	121.89	112.60	11	1
1	A	159	ASN	CA-CB-CG	5.45	118.05	112.60	7	2
1	A	199	THR	CA-C-N	5.37	127.79	120.54	11	1
1	A	199	THR	C-N-CA	5.37	127.79	120.54	11	1
1	A	171	ASN	CA-CB-CG	5.30	117.90	112.60	12	1
1	A	221	GLU	CA-C-N	5.19	127.50	120.65	6	1
1	A	221	GLU	C-N-CA	5.19	127.50	120.65	6	1
1	A	140	HIS	CB-CG-CD2	-5.18	124.47	131.20	3	2
1	A	209	VAL	CB-CA-C	5.17	118.31	111.70	4	1
1	A	175	PHE	CA-CB-CG	5.15	118.95	113.80	1	1
1	A	181	ASN	CA-C-N	5.15	127.15	120.56	11	1
1	A	181	ASN	C-N-CA	5.15	127.15	120.56	11	1
1	A	181	ASN	CA-CB-CG	5.08	117.68	112.60	17	1
1	A	213	MET	CA-C-N	5.08	127.08	120.28	16	1
1	A	213	MET	C-N-CA	5.08	127.08	120.28	16	1
1	A	177	HIS	CA-CB-CG	5.07	118.87	113.80	10	1
1	A	201	THR	CA-C-N	5.06	127.32	120.44	12	1
1	A	201	THR	C-N-CA	5.06	127.32	120.44	12	1
1	A	172	GLN	N-CA-C	-5.02	107.29	113.41	11	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	A	157	TYR	Sidechain	12
1	A	128	TYR	Sidechain	12
1	A	149	TYR	Sidechain	9
1	A	136	ARG	Sidechain	7
1	A	155	TYR	Sidechain	5
1	A	208	ARG	Sidechain	4
1	A	148	ARG	Sidechain	4
1	A	169	TYR	Sidechain	4
1	A	162	TYR	Sidechain	4
1	A	164	ARG	Sidechain	3
1	A	151	ARG	Sidechain	3
1	A	156	ARG	Sidechain	2
1	A	163	TYR	Sidechain	2
1	A	225	TYR	Sidechain	2

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Group	Models (Total)
1	A	150	TYR	Sidechain	2
1	A	218	TYR	Sidechain	1
1	A	196	GLU	Peptide	1

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	847	788	788	4±2
All	All	16940	15760	15760	73

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 2.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:180:VAL:HG13	1:A:184:ILE:CD1	0.67	2.19	12	1
1:A:125:LEU:HD11	1:A:186:GLN:CD	0.64	2.17	10	1
1:A:180:VAL:HG13	1:A:184:ILE:HD12	0.56	1.77	12	1
1:A:130:LEU:HD13	1:A:162:TYR:CZ	0.56	2.35	18	1
1:A:176:VAL:HA	1:A:179:CYS:SG	0.55	2.42	3	4
1:A:134:MET:HE2	1:A:213:MET:HB3	0.55	1.78	2	2
1:A:129:MET:HE3	1:A:163:TYR:CE2	0.53	2.39	10	9
1:A:150:TYR:CE2	1:A:209:VAL:HG13	0.52	2.40	2	1
1:A:125:LEU:HD21	1:A:186:GLN:CD	0.51	2.31	17	4
1:A:129:MET:HE2	1:A:163:TYR:CE2	0.51	2.40	12	1
1:A:130:LEU:HD11	1:A:160:GLN:HE21	0.51	1.66	14	1
1:A:130:LEU:HD22	1:A:131:GLY:H	0.50	1.65	14	2
1:A:150:TYR:CE1	1:A:209:VAL:HG13	0.50	2.41	11	1
1:A:171:ASN:ND2	1:A:174:ASN:H	0.49	2.05	17	1
1:A:161:VAL:HG21	1:A:214:CYS:SG	0.49	2.46	18	1
1:A:186:GLN:O	1:A:190:THR:HG22	0.49	2.07	4	1
1:A:150:TYR:OH	1:A:209:VAL:HG23	0.49	2.07	10	1
1:A:141:PHE:CE2	1:A:205:MET:SD	0.48	3.07	9	7
1:A:196:GLU:CD	1:A:198:PHE:CD2	0.48	2.92	12	1
1:A:138:MET:HE1	1:A:151:ARG:HB3	0.47	1.86	1	1

Continued on next page...

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:128:TYR:CE2	1:A:164:ARG:HG2	0.47	2.44	4	4
1:A:130:LEU:HD13	1:A:131:GLY:N	0.47	2.25	1	2
1:A:180:VAL:CG1	1:A:184:ILE:HD12	0.46	2.40	12	1
1:A:130:LEU:HD11	1:A:160:GLN:HB2	0.45	1.88	11	1
1:A:171:ASN:HD21	1:A:174:ASN:H	0.45	1.54	17	1
1:A:130:LEU:HD21	1:A:160:GLN:HB2	0.45	1.88	9	1
1:A:150:TYR:CE1	1:A:209:VAL:HG23	0.45	2.47	9	1
1:A:129:MET:CE	1:A:163:TYR:CE2	0.44	3.00	6	1
1:A:171:ASN:HD21	1:A:174:ASN:HB2	0.44	1.73	7	1
1:A:179:CYS:SG	1:A:180:VAL:N	0.44	2.90	18	1
1:A:130:LEU:HD22	1:A:161:VAL:O	0.44	2.13	14	1
1:A:143:ASN:CG	1:A:146:GLU:HB2	0.44	2.36	20	1
1:A:130:LEU:HD13	1:A:162:TYR:CE1	0.44	2.48	12	1
1:A:130:LEU:HD11	1:A:160:GLN:NE2	0.42	2.30	1	2
1:A:128:TYR:CZ	1:A:164:ARG:HD3	0.42	2.49	9	4
1:A:141:PHE:CE2	1:A:208:ARG:HG3	0.42	2.50	18	1
1:A:129:MET:SD	1:A:165:PRO:HD3	0.41	2.55	6	1
1:A:191:THR:HG22	1:A:196:GLU:CB	0.41	2.45	4	1
1:A:175:PHE:CE1	1:A:179:CYS:SG	0.41	3.13	13	1
1:A:171:ASN:OD1	1:A:171:ASN:C	0.40	2.64	16	1
1:A:130:LEU:HD23	1:A:130:LEU:C	0.40	2.41	4	1
1:A:150:TYR:HE2	1:A:209:VAL:HG13	0.40	1.74	2	1
1:A:196:GLU:HG3	1:A:198:PHE:CE2	0.40	2.51	6	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	101/114 (89%)	88±3 (87±3%)	11±3 (11±3%)	2±1 (2±1%)	7	44
All	All	2020/2280 (89%)	1758 (87%)	213 (11%)	49 (2%)	7	44

All 12 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	180	VAL	13
1	A	198	PHE	11
1	A	125	LEU	8
1	A	195	GLY	5
1	A	190	THR	3
1	A	197	ASN	2
1	A	170	SER	2
1	A	165	PRO	1
1	A	167	ASP	1
1	A	128	TYR	1
1	A	143	ASN	1
1	A	169	TYR	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	94/103 (91%)	77±3 (82±3%)	17±3 (18±3%)	4 37
All	All	1880/2060 (91%)	1548 (82%)	332 (18%)	4 37

All 52 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	209	VAL	20
1	A	199	THR	18
1	A	225	TYR	18
1	A	155	TYR	17
1	A	143	ASN	13
1	A	191	THR	13
1	A	178	ASP	13
1	A	134	MET	12
1	A	136	ARG	12
1	A	138	MET	12
1	A	135	SER	9
1	A	173	ASN	9
1	A	159	ASN	9
1	A	222	SER	9

Continued on next page...

Continued from previous page...

Mol	Chain	Res	Type	Models (Total)
1	A	151	ARG	8
1	A	148	ARG	8
1	A	221	GLU	8
1	A	208	ARG	7
1	A	166	VAL	6
1	A	217	GLN	6
1	A	132	SER	6
1	A	212	GLN	6
1	A	190	THR	6
1	A	192	THR	5
1	A	196	GLU	5
1	A	181	ASN	5
1	A	179	CYS	5
1	A	130	LEU	5
1	A	193	THR	5
1	A	215	VAL	5
1	A	216	THR	5
1	A	174	ASN	4
1	A	170	SER	4
1	A	167	ASP	4
1	A	185	LYS	3
1	A	129	MET	3
1	A	160	GLN	3
1	A	223	GLN	3
1	A	125	LEU	3
1	A	153	ASN	3
1	A	161	VAL	2
1	A	144	ASP	2
1	A	211	GLU	2
1	A	207	GLU	2
1	A	197	ASN	2
1	A	186	GLN	1
1	A	147	ASP	1
1	A	210	VAL	1
1	A	152	GLU	1
1	A	184	ILE	1
1	A	206	MET	1
1	A	171	ASN	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 84% for the well-defined parts and 83% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	1294
Number of shifts mapped to atoms	1294
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	1

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	114	-0.40 ± 0.14	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	105	0.22 ± 0.08	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	110	0.13 ± 0.17	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 84%, i.e. 1176 atoms were assigned a chemical shift out of a possible 1405. 0 out of 11 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	397/504 (79%)	198/204 (97%)	101/202 (50%)	98/98 (100%)
Sidechain	673/748 (90%)	454/479 (95%)	197/231 (85%)	22/38 (58%)

Continued on next page...

Continued from previous page...

	Total	^{1}H	^{13}C	^{15}N
Aromatic	106/153 (69%)	66/73 (90%)	39/76 (51%)	1/4 (25%)
Overall	1176/1405 (84%)	718/756 (95%)	337/509 (66%)	121/140 (86%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 83%, i.e. 1293 atoms were assigned a chemical shift out of a possible 1555. 0 out of 13 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	451/573 (79%)	227/234 (97%)	114/228 (50%)	110/111 (99%)
Sidechain	730/820 (89%)	492/525 (94%)	214/251 (85%)	24/44 (55%)
Aromatic	112/162 (69%)	70/77 (91%)	41/81 (51%)	1/4 (25%)
Overall	1293/1555 (83%)	789/836 (94%)	369/560 (66%)	135/159 (85%)

7.1.4 Statistically unusual chemical shifts (i)

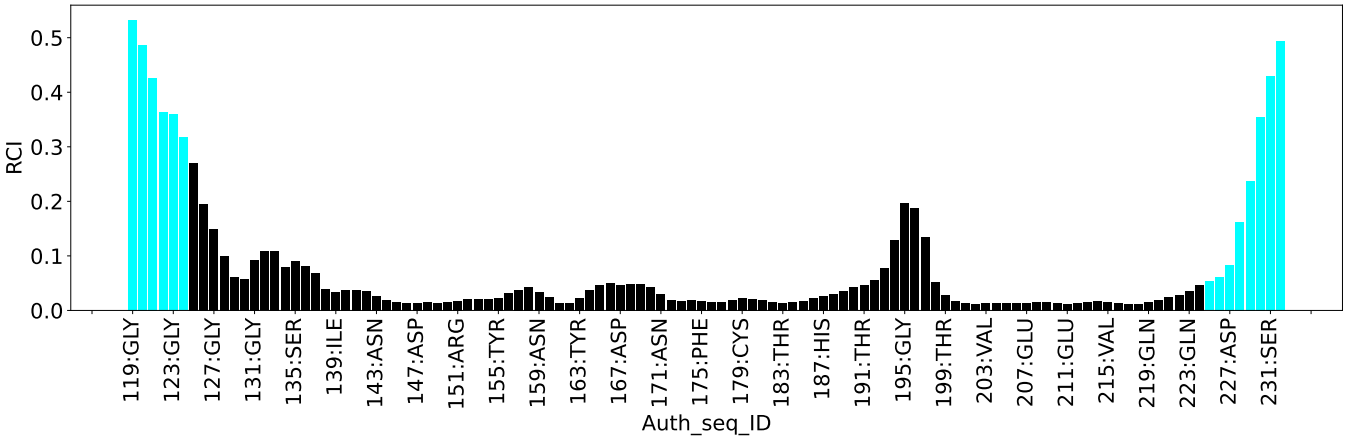
The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

List Id	Chain	Res	Type	Atom	Shift, *ppm*	Expected range, *ppm*	Z-score
1	A	183	THR	HG1	6.48	0.08 – 2.19	25.3

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:


RCI
0.0
0.1
0.2
0.3
0.4
0.5
119:GLY
123:GLY
127:GLY
131:GLY
135:SER
139:ILE
143:ASN
147:ASP
151:ARG
155:TYR
159:ASN
163:TYR
167:ASP
171:ASN
175:PHE
179:CYS
183:THR
187:HIS
191:THR
195:GLY
199:THR
203:VAL
207:GLU
211:GLU
215:VAL
219:GLN
223:GLN
227:ASP
231:SER
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	6338
Intra-residue (|i-j|=0)	1134
Sequential (|i-j|=1)	1644
Medium range (|i-j|>1 and |i-j|<5)	1726
Long range (|i-j|≥5)	1834
Inter-chain	0
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	55.6
Number of long range restraints per residue[1]	16.1

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	73.2	0.2
0.2-0.5 (Medium)	116.4	0.5
>0.5 (Large)	236.9	3.41

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

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

9 Distance violation analysis (i)

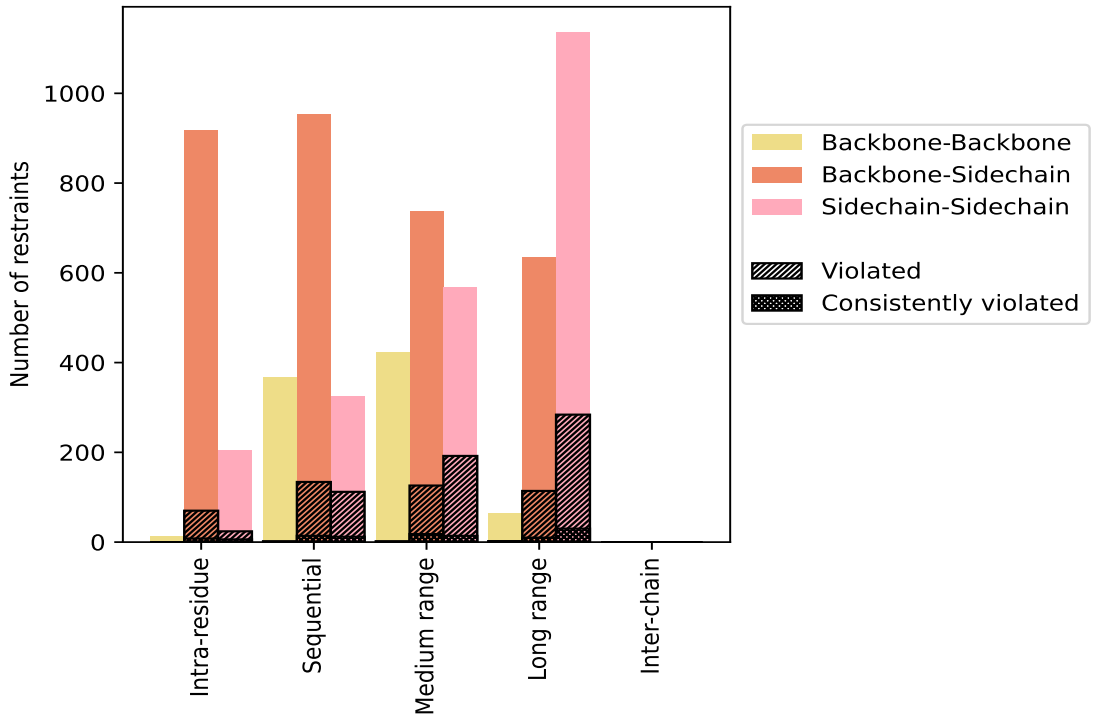
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	1134	17.9	94	8.3	1.5	14	1.2	0.2
Backbone-Backbone	12	0.2	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	918	14.5	70	7.6	1.1	8	0.9	0.1
Sidechain-Sidechain	204	3.2	24	11.8	0.4	6	2.9	0.1
Sequential (|i-j|=1)	1644	25.9	248	15.1	3.9	26	1.6	0.4
Backbone-Backbone	366	5.8	2	0.5	0.0	0	0.0	0.0
Backbone-Sidechain	954	15.1	134	14.0	2.1	14	1.5	0.2
Sidechain-Sidechain	324	5.1	112	34.6	1.8	12	3.7	0.2
Medium range (|i-j|>1 & |i-j|<5)	1726	27.2	320	18.5	5.0	32	1.9	0.5
Backbone-Backbone	422	6.7	2	0.5	0.0	0	0.0	0.0
Backbone-Sidechain	736	11.6	126	17.1	2.0	18	2.4	0.3
Sidechain-Sidechain	568	9.0	192	33.8	3.0	14	2.5	0.2
Long range (|i-j|≥5)	1834	28.9	400	21.8	6.3	42	2.3	0.7
Backbone-Backbone	64	1.0	2	3.1	0.0	2	3.1	0.0
Backbone-Sidechain	634	10.0	114	18.0	1.8	10	1.6	0.2
Sidechain-Sidechain	1136	17.9	284	25.0	4.5	30	2.6	0.5
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	6338	100.0	1062	16.8	16.8	114	1.8	1.8
Backbone-Backbone	864	13.6	6	0.7	0.1	2	0.2	0.0
Backbone-Sidechain	3242	51.2	444	13.7	7.0	50	1.5	0.8
Sidechain-Sidechain	2232	35.2	612	27.4	9.7	62	2.8	1.0

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	34	116	162	176	0	488	0.74	2.26	0.56	0.57
2	36	100	132	114	0	382	0.61	2.36	0.46	0.48
3	36	104	154	150	0	444	0.75	2.55	0.54	0.58
4	40	94	136	144	0	414	0.64	2.31	0.51	0.5
5	36	100	142	174	0	452	0.71	2.83	0.55	0.57
6	36	104	150	186	0	476	0.7	2.83	0.55	0.54
7	40	110	130	138	0	418	0.65	2.21	0.5	0.54
8	36	96	126	150	0	408	0.68	3.22	0.54	0.52
9	40	94	144	182	0	460	0.71	2.62	0.57	0.55
10	52	116	160	150	0	478	0.68	2.41	0.54	0.53

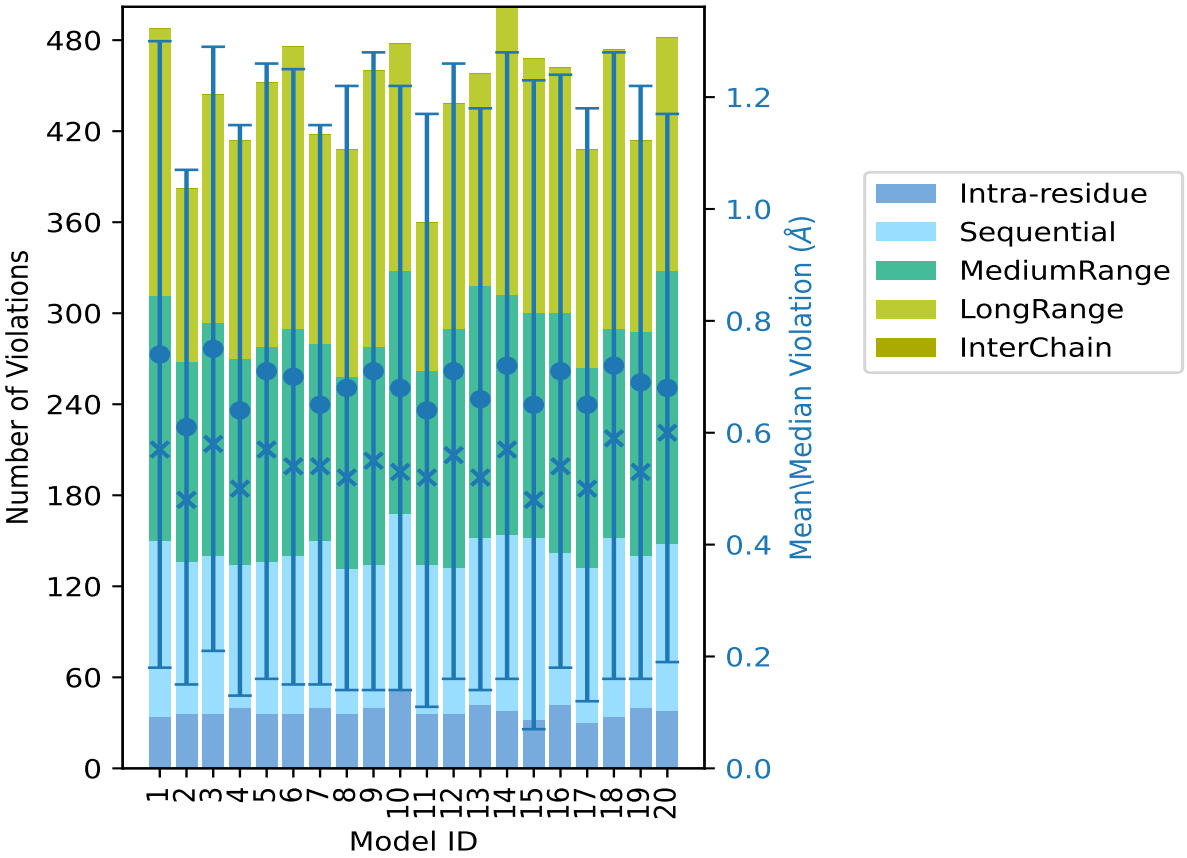
Continued on next page...

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	36	98	128	98	0	360	0.64	3.25	0.53	0.52
12	36	96	158	148	0	438	0.71	2.45	0.55	0.56
13	42	110	166	140	0	458	0.66	2.6	0.52	0.52
14	38	116	158	190	0	502	0.72	2.55	0.56	0.57
15	32	120	148	168	0	468	0.65	3.41	0.58	0.48
16	42	100	158	162	0	462	0.71	2.45	0.53	0.54
17	30	102	132	144	0	408	0.65	3.04	0.53	0.5
18	34	118	138	184	0	474	0.72	2.44	0.56	0.59
19	40	100	148	126	0	414	0.69	2.64	0.53	0.53
20	38	110	180	154	0	482	0.68	2.58	0.49	0.6

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

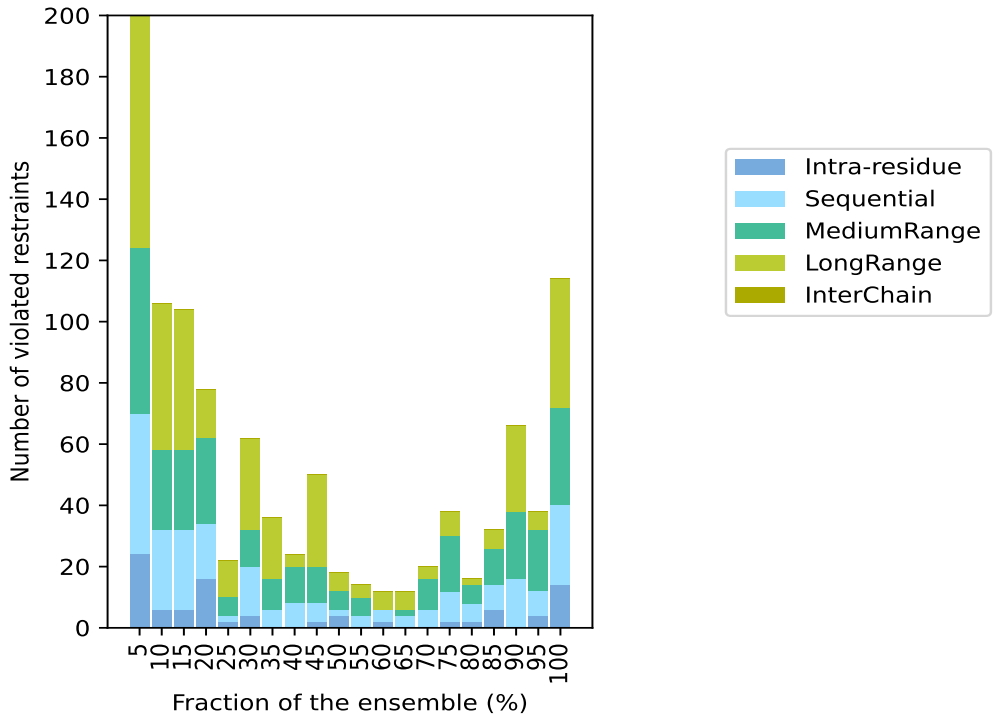
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 5276(IR:1040, SQ:1396, MR:1406, LR:1434, 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]	%
24	46	54	76	0	200	1	5.0
6	26	26	48	0	106	2	10.0
6	26	26	46	0	104	3	15.0
16	18	28	16	0	78	4	20.0
2	2	6	12	0	22	5	25.0
4	16	12	30	0	62	6	30.0
0	6	10	20	0	36	7	35.0
0	8	12	4	0	24	8	40.0
2	6	12	30	0	50	9	45.0
4	2	6	6	0	18	10	50.0
0	4	6	4	0	14	11	55.0
2	4	0	6	0	12	12	60.0
0	4	2	6	0	12	13	65.0
0	6	10	4	0	20	14	70.0
2	10	18	8	0	38	15	75.0
2	6	6	2	0	16	16	80.0
6	8	12	6	0	32	17	85.0
0	16	22	28	0	66	18	90.0
4	8	20	6	0	38	19	95.0
14	26	32	42	0	114	20	100.0

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

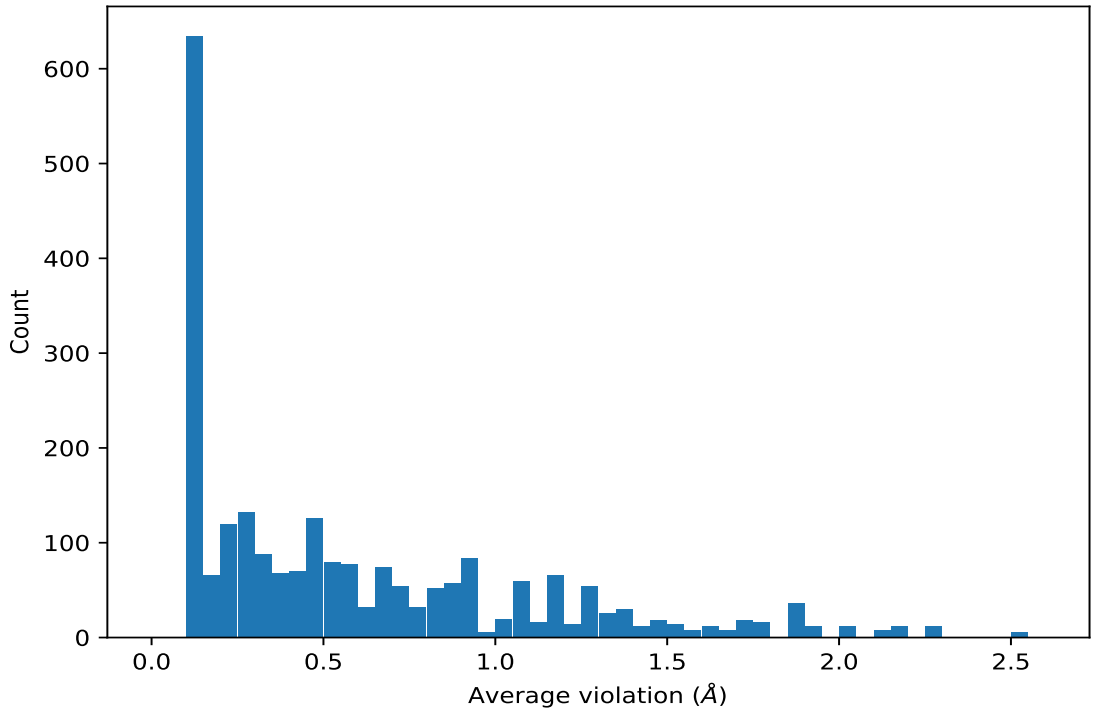
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	20	2.11	0.08	2.11
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	20	2.11	0.08	2.11
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	20	2.11	0.08	2.11
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	20	2.11	0.08	2.11
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	20	2.11	0.08	2.11
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	20	2.11	0.08	2.11
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	20	2.1	0.58	1.87
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	20	2.1	0.58	1.87
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	20	1.95	0.52	2.2
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	20	1.95	0.52	2.2
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	20	1.95	0.52	2.2
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	20	1.95	0.52	2.2
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	20	1.95	0.52	2.2
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	20	1.95	0.52	2.2
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	20	1.9	0.59	2.1
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	20	1.9	0.59	2.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	20	1.9	0.59	2.1
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	20	1.9	0.59	2.1
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	20	1.9	0.59	2.1
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	20	1.9	0.59	2.1
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	20	1.9	0.59	2.1
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	20	1.9	0.59	2.1
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	20	1.9	0.59	2.1
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	20	1.9	0.59	2.1
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	20	1.9	0.59	2.1
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	20	1.9	0.59	2.1
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	20	1.9	0.59	2.1
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	20	1.9	0.59	2.1
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	20	1.9	0.59	2.1
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	20	1.9	0.59	2.1
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	20	1.9	0.59	2.1
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	20	1.9	0.59	2.1
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	20	1.88	0.11	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	20	1.88	0.11	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	20	1.88	0.11	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	20	1.88	0.11	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	20	1.88	0.11	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	20	1.88	0.11	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	20	1.88	0.11	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	20	1.88	0.11	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	20	1.88	0.11	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	20	1.88	0.11	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	20	1.88	0.11	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	20	1.88	0.11	1.9
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	20	1.77	0.4	1.8
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	20	1.77	0.4	1.8
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	20	1.76	0.32	1.82
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	20	1.76	0.32	1.82
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	20	1.67	0.32	1.75
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	20	1.67	0.32	1.75
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	20	1.59	0.03	1.59
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	20	1.59	0.03	1.59
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	20	1.27	0.51	1.48
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	20	1.27	0.51	1.48
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	20	1.27	0.51	1.48
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	20	1.27	0.51	1.48
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	20	1.27	0.51	1.48
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	20	1.27	0.51	1.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	20	1.22	0.1	1.21
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	20	1.22	0.1	1.21
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	20	1.22	0.1	1.21
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	20	1.22	0.1	1.21
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	20	1.22	0.1	1.21
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	20	1.22	0.1	1.21
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	20	1.22	0.14	1.19
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	20	1.22	0.14	1.19
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	20	1.21	0.12	1.2
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	20	1.21	0.12	1.2
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	20	1.21	0.12	1.2
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	20	1.21	0.12	1.2
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	20	1.21	0.12	1.2
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	20	1.21	0.12	1.2
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	20	1.18	0.18	1.2
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	20	1.18	0.18	1.2
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	20	1.18	0.11	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	20	1.18	0.11	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	20	1.18	0.11	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	20	1.18	0.11	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	20	1.18	0.11	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	20	1.18	0.11	1.18
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	20	1.09	0.06	1.09
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	20	1.09	0.06	1.09
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	20	1.09	0.04	1.1
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	20	1.09	0.04	1.1
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	20	1.09	0.04	1.1
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	20	1.09	0.04	1.1
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	20	1.09	0.04	1.1
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	20	1.09	0.04	1.1
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	20	1.09	0.24	1.13
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	20	1.09	0.24	1.13
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	20	1.09	0.24	1.13
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	20	1.09	0.24	1.13
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	20	1.09	0.24	1.13
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	20	1.09	0.24	1.13
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	20	1.08	0.19	1.09
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	20	1.08	0.19	1.09
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	20	1.04	0.13	1.09
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	20	1.04	0.13	1.09
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	20	1.04	0.13	1.09
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	20	1.04	0.13	1.09

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	20	0.94	0.12	0.94
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	20	0.94	0.12	0.94
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	20	0.94	0.12	0.94
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	20	0.94	0.12	0.94
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	20	0.94	0.12	0.94
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	20	0.94	0.12	0.94
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	20	0.92	0.46	1.18
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	20	0.92	0.46	1.18
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	20	0.92	0.46	1.18
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	20	0.92	0.46	1.18
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	20	0.92	0.46	1.18
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	20	0.92	0.46	1.18
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	20	0.91	0.16	0.89
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	20	0.91	0.16	0.89
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	20	0.9	0.19	0.83
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	20	0.9	0.19	0.83
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	20	0.9	0.19	0.83
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	20	0.9	0.19	0.83
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	20	0.9	0.19	0.83
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	20	0.9	0.19	0.83
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	20	0.9	0.13	0.9
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	20	0.9	0.13	0.9
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	20	0.9	0.13	0.9
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	20	0.9	0.13	0.9
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	20	0.9	0.13	0.9
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	20	0.9	0.13	0.9
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	20	0.9	0.13	0.9
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	20	0.9	0.13	0.9
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	20	0.9	0.13	0.9
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	20	0.9	0.13	0.9
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	20	0.9	0.13	0.9
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	20	0.9	0.13	0.9
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	20	0.89	0.12	0.87
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	20	0.89	0.12	0.87
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	20	0.87	0.14	0.89
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	20	0.87	0.14	0.89
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	20	0.87	0.14	0.89
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	20	0.87	0.14	0.89
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	20	0.86	0.1	0.88
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	20	0.86	0.1	0.88
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	20	0.83	0.07	0.82
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	20	0.83	0.07	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	20	0.83	0.07	0.82
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	20	0.83	0.07	0.82
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	20	0.82	0.21	0.82
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	20	0.82	0.21	0.82
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	20	0.81	0.07	0.81
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	20	0.81	0.07	0.81
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	20	0.81	0.07	0.81
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	20	0.81	0.07	0.81
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	20	0.81	0.07	0.81
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	20	0.81	0.07	0.81
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	20	0.81	0.38	0.74
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	20	0.81	0.38	0.74
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	20	0.8	0.15	0.76
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	20	0.8	0.15	0.76
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	20	0.75	0.13	0.78
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	20	0.75	0.13	0.78
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	20	0.74	0.18	0.78
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	20	0.74	0.18	0.78
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	20	0.7	0.19	0.73
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	20	0.7	0.19	0.73
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	20	0.7	0.19	0.73
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	20	0.7	0.19	0.73
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	20	0.7	0.19	0.73
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	20	0.7	0.19	0.73
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	20	0.7	0.16	0.68
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	20	0.7	0.16	0.68
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	20	0.69	0.23	0.76
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	20	0.69	0.23	0.76
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	20	0.69	0.23	0.76
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	20	0.69	0.23	0.76
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	20	0.69	0.23	0.76
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	20	0.69	0.23	0.76
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	20	0.63	0.13	0.68
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	20	0.63	0.13	0.68
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	20	0.63	0.13	0.68
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	20	0.63	0.13	0.68
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	20	0.61	0.08	0.64
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	20	0.61	0.08	0.64
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	20	0.61	0.14	0.58
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	20	0.61	0.14	0.58
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	20	0.61	0.14	0.58
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	20	0.61	0.14	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	20	0.61	0.14	0.58
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	20	0.61	0.14	0.58
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	20	0.6	0.14	0.57
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	20	0.6	0.14	0.57
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	20	0.58	0.13	0.61
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	20	0.58	0.13	0.61
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	20	0.58	0.13	0.61
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	20	0.58	0.13	0.61
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	20	0.52	0.04	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	20	0.52	0.04	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	20	0.52	0.04	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	20	0.52	0.04	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	20	0.52	0.04	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	20	0.52	0.04	0.52
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	20	0.52	0.02	0.52
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	20	0.52	0.02	0.52
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	20	0.5	0.1	0.53
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	20	0.5	0.1	0.53
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	20	0.5	0.1	0.53
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	20	0.5	0.1	0.53
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	20	0.5	0.1	0.53
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	20	0.5	0.1	0.53
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	20	0.49	0.03	0.49
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	20	0.49	0.03	0.49
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	20	0.47	0.22	0.43
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	20	0.47	0.22	0.43
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	20	0.47	0.22	0.43
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	20	0.47	0.22	0.43
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	20	0.46	0.06	0.48
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	20	0.46	0.06	0.48
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	20	0.42	0.17	0.42
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	20	0.42	0.17	0.42
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	20	0.39	0.11	0.38
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	20	0.39	0.11	0.38
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	20	0.26	0.04	0.26
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	20	0.26	0.04	0.26
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	20	0.26	0.08	0.28
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	20	0.26	0.08	0.28
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	20	0.26	0.08	0.26
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	20	0.26	0.08	0.26
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	20	0.25	0.08	0.23
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	20	0.25	0.08	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	20	0.22	0.05	0.24
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	20	0.22	0.05	0.24
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	20	0.21	0.03	0.21
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	20	0.21	0.03	0.21
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	19	1.7	0.81	2.08
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	19	1.7	0.81	2.08
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	19	1.7	0.81	2.08
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	19	1.7	0.81	2.08
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	19	1.7	0.81	2.08
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	19	1.7	0.81	2.08
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	19	1.5	0.25	1.58
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	19	1.5	0.25	1.58
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	19	1.25	0.27	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	19	1.25	0.27	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	19	1.25	0.27	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	19	1.25	0.27	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	19	1.25	0.27	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	19	1.25	0.27	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	19	1.25	0.27	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	19	1.25	0.27	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	19	1.25	0.27	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	19	1.25	0.27	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	19	1.25	0.27	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	19	1.25	0.27	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	19	1.25	0.27	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	19	1.25	0.27	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	19	1.25	0.27	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	19	1.25	0.27	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	19	1.25	0.27	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	19	1.25	0.27	1.31
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	19	1.19	0.56	1.22
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	19	1.19	0.56	1.22
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	19	1.19	0.56	1.22
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	19	1.19	0.56	1.22
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	19	1.19	0.56	1.22
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	19	1.19	0.56	1.22
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	19	1.13	0.5	1.19
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	19	1.13	0.5	1.19
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	19	1.09	0.48	1.31
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	19	1.09	0.48	1.31
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	19	0.94	0.16	1.0
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	19	0.94	0.16	1.0

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	19	0.71	0.31	0.69
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	19	0.71	0.31	0.69
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	19	0.64	0.14	0.66
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	19	0.64	0.14	0.66
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	19	0.61	0.24	0.62
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	19	0.61	0.24	0.62
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	19	0.6	0.3	0.53
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	19	0.6	0.3	0.53
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	19	0.53	0.27	0.47
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	19	0.53	0.27	0.47
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	19	0.53	0.27	0.47
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	19	0.53	0.27	0.47
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	19	0.53	0.27	0.47
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	19	0.53	0.27	0.47
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	19	0.52	0.12	0.57
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	19	0.52	0.12	0.57
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	19	0.48	0.06	0.5
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	19	0.48	0.06	0.5
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	19	0.45	0.28	0.41
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	19	0.45	0.28	0.41
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	19	0.45	0.28	0.41
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	19	0.45	0.28	0.41
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	19	0.45	0.28	0.41
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	19	0.45	0.28	0.41
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	19	0.41	0.16	0.4
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	19	0.41	0.16	0.4
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	19	0.38	0.1	0.43
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	19	0.38	0.1	0.43
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	19	0.26	0.07	0.27
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	19	0.26	0.07	0.27
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	19	0.23	0.07	0.21
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	19	0.23	0.07	0.21
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	18	2.02	0.34	2.14
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	18	2.02	0.34	2.14
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	18	2.02	0.34	2.14
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	18	2.02	0.34	2.14
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	18	2.02	0.34	2.14
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	18	2.02	0.34	2.14
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	18	1.73	0.08	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	18	1.73	0.08	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	18	1.73	0.08	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	18	1.73	0.08	1.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	18	1.73	0.08	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	18	1.73	0.08	1.77
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	18	1.61	0.19	1.56
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	18	1.61	0.19	1.56
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	18	1.61	0.19	1.56
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	18	1.61	0.19	1.56
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	18	1.61	0.19	1.56
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	18	1.61	0.19	1.56
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	18	1.49	0.12	1.48
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	18	1.49	0.12	1.48
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	18	1.49	0.12	1.48
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	18	1.49	0.12	1.48
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	18	1.49	0.12	1.48
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	18	1.49	0.12	1.48
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	18	1.33	0.11	1.31
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	18	1.33	0.11	1.31
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	18	1.33	0.11	1.31
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	18	1.33	0.11	1.31
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	18	1.33	0.11	1.31
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	18	1.33	0.11	1.31
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	18	1.33	0.11	1.31
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	18	1.33	0.11	1.31
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	18	1.33	0.11	1.31
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	18	1.33	0.11	1.31
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	18	1.33	0.11	1.31
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	18	1.33	0.11	1.31
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	18	1.16	0.36	1.06
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	18	1.16	0.36	1.06
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	18	1.16	0.36	1.06
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	18	1.16	0.36	1.06
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	18	1.16	0.36	1.06
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	18	1.16	0.36	1.06
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	18	1.15	0.44	1.27
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	18	1.15	0.44	1.27
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	18	1.09	0.12	1.11
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	18	1.09	0.12	1.11
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	18	1.09	0.12	1.11
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	18	1.09	0.12	1.11
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	18	1.09	0.12	1.11
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	18	1.09	0.12	1.11
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	18	1.07	0.42	1.14
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	18	1.07	0.42	1.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	18	1.07	0.08	1.04
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	18	1.07	0.08	1.04
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	18	1.07	0.08	1.04
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	18	1.07	0.08	1.04
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	18	1.07	0.08	1.04
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	18	1.07	0.08	1.04
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	18	1.05	0.08	1.04
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	18	1.05	0.08	1.04
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	18	1.05	0.08	1.04
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	18	1.05	0.08	1.04
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	18	1.05	0.08	1.04
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	18	1.05	0.08	1.04
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	18	0.95	0.08	0.92
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	18	0.95	0.08	0.92
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	18	0.95	0.08	0.92
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	18	0.95	0.08	0.92
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	18	0.95	0.08	0.92
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	18	0.95	0.08	0.92
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	18	0.95	0.08	0.92
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	18	0.95	0.08	0.92
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	18	0.95	0.08	0.92
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	18	0.95	0.08	0.92
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	18	0.95	0.08	0.92
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	18	0.95	0.08	0.92
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	18	0.89	0.15	0.88
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	18	0.89	0.15	0.88
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	18	0.89	0.15	0.88
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	18	0.89	0.15	0.88
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	18	0.89	0.15	0.88
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	18	0.89	0.15	0.88
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	18	0.87	0.34	0.96
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	18	0.87	0.34	0.96
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	18	0.87	0.34	0.96
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	18	0.87	0.34	0.96
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	18	0.87	0.34	0.96
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	18	0.87	0.34	0.96
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	18	0.81	0.07	0.82
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	18	0.81	0.07	0.82
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	18	0.81	0.07	0.82
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	18	0.81	0.07	0.82
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	18	0.81	0.07	0.82
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	18	0.81	0.07	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	18	0.78	0.34	0.8
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	18	0.78	0.34	0.8
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	18	0.73	0.27	0.68
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	18	0.73	0.27	0.68
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	18	0.73	0.27	0.68
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	18	0.73	0.27	0.68
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	18	0.73	0.27	0.68
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	18	0.73	0.27	0.68
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	18	0.73	0.27	0.68
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	18	0.73	0.27	0.68
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	18	0.73	0.27	0.68
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	18	0.73	0.27	0.68
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	18	0.73	0.27	0.68
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	18	0.73	0.27	0.68
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	18	0.71	0.15	0.7
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	18	0.71	0.15	0.7
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	18	0.71	0.15	0.7
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	18	0.71	0.15	0.7
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	18	0.71	0.15	0.7
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	18	0.71	0.15	0.7
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	18	0.7	0.09	0.74
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	18	0.7	0.09	0.74
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	18	0.7	0.09	0.74
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	18	0.7	0.09	0.74
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	18	0.7	0.09	0.74
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	18	0.7	0.09	0.74
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	18	0.7	0.09	0.74
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	18	0.7	0.09	0.74
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	18	0.7	0.09	0.74
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	18	0.7	0.09	0.74
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	18	0.7	0.09	0.74
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	18	0.7	0.09	0.74
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	18	0.59	0.36	0.69
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	18	0.59	0.36	0.69
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	18	0.59	0.36	0.69
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	18	0.59	0.36	0.69
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	18	0.59	0.36	0.69
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	18	0.59	0.36	0.69
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	18	0.59	0.36	0.69
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	18	0.59	0.36	0.69
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	18	0.59	0.36	0.69
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	18	0.59	0.36	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	18	0.59	0.36	0.69
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	18	0.59	0.36	0.69
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	18	0.59	0.36	0.69
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	18	0.59	0.36	0.69
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	18	0.59	0.36	0.69
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	18	0.59	0.36	0.69
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	18	0.59	0.36	0.69
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	18	0.59	0.36	0.69
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	18	0.58	0.3	0.54
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	18	0.58	0.3	0.54
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	18	0.58	0.3	0.54
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	18	0.58	0.3	0.54
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	18	0.57	0.17	0.57
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	18	0.57	0.17	0.57
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	18	0.56	0.19	0.53
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	18	0.56	0.19	0.53
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	18	0.56	0.19	0.53
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	18	0.56	0.19	0.53
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	18	0.56	0.19	0.53
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	18	0.56	0.19	0.53
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	18	0.53	0.17	0.64
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	18	0.53	0.17	0.64
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	18	0.49	0.18	0.48
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	18	0.49	0.18	0.48
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	18	0.49	0.18	0.48
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	18	0.49	0.18	0.48
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	18	0.49	0.18	0.48
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	18	0.49	0.18	0.48
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	18	0.49	0.06	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	18	0.49	0.06	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	18	0.49	0.06	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	18	0.49	0.06	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	18	0.49	0.06	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	18	0.49	0.06	0.52
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	18	0.45	0.21	0.39
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	18	0.45	0.21	0.39
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	18	0.45	0.16	0.48
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	18	0.45	0.16	0.48
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	18	0.45	0.07	0.46
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	18	0.45	0.07	0.46
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	18	0.45	0.07	0.46
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	18	0.45	0.07	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	18	0.45	0.07	0.46
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	18	0.45	0.07	0.46
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	18	0.37	0.06	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	18	0.37	0.06	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	18	0.37	0.06	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	18	0.37	0.06	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	18	0.37	0.06	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	18	0.37	0.06	0.4
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	18	0.32	0.1	0.34
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	18	0.32	0.1	0.34
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	18	0.26	0.06	0.26
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	18	0.26	0.06	0.26
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	18	0.26	0.06	0.26
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	18	0.26	0.06	0.26
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	18	0.26	0.06	0.26
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	18	0.26	0.06	0.26
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	18	0.26	0.06	0.26
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	18	0.26	0.06	0.26
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	18	0.26	0.06	0.26
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	18	0.26	0.06	0.26
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	18	0.26	0.06	0.26
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	18	0.26	0.06	0.26
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	18	0.26	0.06	0.26
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	18	0.26	0.06	0.26
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	18	0.26	0.06	0.26
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	18	0.26	0.06	0.26
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	18	0.26	0.06	0.26
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	18	0.26	0.06	0.26
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	18	0.25	0.07	0.25
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	18	0.25	0.07	0.25
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	17	0.89	0.73	1.41
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	17	0.89	0.73	1.41
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	17	0.89	0.73	1.41
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	17	0.89	0.73	1.41
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	17	0.89	0.73	1.41
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	17	0.89	0.73	1.41
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	17	0.89	0.73	1.41
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	17	0.89	0.73	1.41
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	17	0.89	0.73	1.41
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	17	0.89	0.73	1.41
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	17	0.89	0.73	1.41
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	17	0.89	0.73	1.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	17	0.85	0.06	0.87
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	17	0.85	0.06	0.87
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	17	0.79	0.26	0.84
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	17	0.79	0.26	0.84
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	17	0.79	0.26	0.84
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	17	0.79	0.26	0.84
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	17	0.79	0.26	0.84
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	17	0.79	0.26	0.84
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	17	0.6	0.22	0.59
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	17	0.6	0.22	0.59
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	17	0.6	0.22	0.59
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	17	0.6	0.22	0.59
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	17	0.6	0.22	0.59
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	17	0.6	0.22	0.59
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	17	0.55	0.03	0.56
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	17	0.55	0.03	0.56
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	17	0.52	0.12	0.56
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	17	0.52	0.12	0.56
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	17	0.47	0.14	0.56
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	17	0.47	0.14	0.56
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	17	0.44	0.21	0.35
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	17	0.44	0.21	0.35
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	17	0.37	0.1	0.37
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	17	0.37	0.1	0.37
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	17	0.35	0.12	0.42
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	17	0.35	0.12	0.42
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	17	0.34	0.12	0.35
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	17	0.34	0.12	0.35
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	17	0.32	0.1	0.34
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	17	0.32	0.1	0.34
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	17	0.28	0.08	0.29
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	17	0.28	0.08	0.29
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	17	0.28	0.08	0.29
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	17	0.28	0.08	0.29
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	17	0.28	0.08	0.29
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	17	0.28	0.08	0.29
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	17	0.22	0.11	0.17
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	17	0.22	0.11	0.17
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	17	0.21	0.1	0.16
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	17	0.21	0.1	0.16
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	17	0.21	0.1	0.16
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	17	0.21	0.1	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	17	0.12	0.01	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	17	0.12	0.01	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	17	0.12	0.01	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	17	0.12	0.01	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	17	0.12	0.01	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	17	0.12	0.01	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	17	0.12	0.01	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	17	0.12	0.01	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	17	0.12	0.01	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	17	0.12	0.01	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	17	0.12	0.01	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	17	0.12	0.01	0.12
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	16	1.31	0.33	1.38
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	16	1.31	0.33	1.38
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	16	1.31	0.33	1.38
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	16	1.31	0.33	1.38
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	16	1.31	0.33	1.38
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	16	1.31	0.33	1.38
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	16	1.04	0.3	1.16
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	16	1.04	0.3	1.16
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	16	0.51	0.24	0.48
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	16	0.51	0.24	0.48
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	16	0.45	0.19	0.51
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	16	0.45	0.19	0.51
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	16	0.45	0.19	0.51
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	16	0.45	0.19	0.51
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	16	0.45	0.19	0.51
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	16	0.45	0.19	0.51
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	16	0.45	0.19	0.51
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	16	0.45	0.19	0.51
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	16	0.45	0.19	0.51
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	16	0.45	0.19	0.51
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	16	0.45	0.19	0.51
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	16	0.45	0.19	0.51
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	16	0.45	0.19	0.51
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	16	0.45	0.19	0.51
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	16	0.45	0.19	0.51
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	16	0.45	0.19	0.51
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	16	0.45	0.19	0.51
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	16	0.45	0.19	0.51
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	16	0.25	0.11	0.22
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	16	0.25	0.11	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	16	0.23	0.07	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	16	0.23	0.07	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	16	0.23	0.07	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	16	0.23	0.07	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	16	0.23	0.07	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	16	0.23	0.07	0.2
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	16	0.14	0.02	0.14
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	16	0.14	0.02	0.14
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	16	0.12	0.01	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	16	0.12	0.01	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	16	0.12	0.01	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	16	0.12	0.01	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	16	0.12	0.01	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	16	0.12	0.01	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	16	0.12	0.01	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	16	0.12	0.01	0.12
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	15	1.2	0.26	1.3
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	15	1.2	0.26	1.3
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	15	1.2	0.26	1.3
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	15	1.2	0.26	1.3
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	15	1.2	0.26	1.3
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	15	1.2	0.26	1.3
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	15	1.19	0.34	1.1
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	15	1.19	0.34	1.1
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	15	1.19	0.34	1.1
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	15	1.19	0.34	1.1
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	15	1.19	0.34	1.1
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	15	1.19	0.34	1.1
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	15	1.08	0.73	0.67
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	15	1.08	0.73	0.67
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	15	1.05	0.17	1.01
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	15	1.05	0.17	1.01
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	15	1.05	0.17	1.01
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	15	1.05	0.17	1.01
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	15	1.05	0.17	1.01
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	15	1.05	0.17	1.01
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	15	0.86	0.57	1.25
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	15	0.86	0.57	1.25
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	15	0.86	0.57	1.25
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	15	0.86	0.57	1.25
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	15	0.86	0.57	1.25
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	15	0.86	0.57	1.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	15	0.86	0.57	1.25
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	15	0.86	0.57	1.25
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	15	0.86	0.57	1.25
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	15	0.86	0.57	1.25
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	15	0.86	0.57	1.25
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	15	0.86	0.57	1.25
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	15	0.86	0.57	1.25
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	15	0.86	0.57	1.25
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	15	0.86	0.57	1.25
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	15	0.86	0.57	1.25
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	15	0.86	0.57	1.25
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	15	0.86	0.57	1.25
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	15	0.76	0.27	0.69
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	15	0.76	0.27	0.69
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	15	0.72	0.37	0.71
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	15	0.72	0.37	0.71
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	15	0.72	0.37	0.71
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	15	0.72	0.37	0.71
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	15	0.72	0.37	0.71
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	15	0.72	0.37	0.71
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	15	0.65	0.05	0.67
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	15	0.65	0.05	0.67
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	15	0.65	0.05	0.67
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	15	0.65	0.05	0.67
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	15	0.65	0.05	0.67
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	15	0.65	0.05	0.67
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	15	0.61	0.15	0.62
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	15	0.61	0.15	0.62
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	15	0.61	0.17	0.56
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	15	0.61	0.17	0.56
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	15	0.57	0.13	0.59
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	15	0.57	0.13	0.59
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	15	0.49	0.2	0.52
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	15	0.49	0.2	0.52
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	15	0.49	0.2	0.52
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	15	0.49	0.2	0.52
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	15	0.47	0.04	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	15	0.47	0.04	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	15	0.47	0.04	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	15	0.47	0.04	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	15	0.47	0.04	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	15	0.47	0.04	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	15	0.46	0.24	0.44
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	15	0.46	0.24	0.44
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	15	0.46	0.24	0.44
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	15	0.46	0.24	0.44
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	15	0.46	0.24	0.44
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	15	0.46	0.24	0.44
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	15	0.45	0.22	0.44
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	15	0.45	0.22	0.44
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	15	0.45	0.22	0.44
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	15	0.45	0.22	0.44
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	15	0.45	0.22	0.44
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	15	0.45	0.22	0.44
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	15	0.37	0.14	0.32
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	15	0.37	0.14	0.32
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	15	0.36	0.16	0.36
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	15	0.36	0.16	0.36
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	15	0.36	0.16	0.36
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	15	0.36	0.16	0.36
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	15	0.36	0.16	0.36
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	15	0.36	0.16	0.36
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	15	0.33	0.11	0.35
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	15	0.33	0.11	0.35
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	15	0.33	0.11	0.35
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	15	0.33	0.11	0.35
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	15	0.33	0.11	0.35
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	15	0.33	0.11	0.35
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	15	0.3	0.1	0.27
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	15	0.3	0.1	0.27
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	15	0.3	0.1	0.27
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	15	0.3	0.1	0.27
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	15	0.3	0.1	0.27
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	15	0.3	0.1	0.27
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	15	0.3	0.1	0.27
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	15	0.3	0.1	0.27
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	15	0.3	0.1	0.27
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	15	0.3	0.1	0.27
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	15	0.3	0.1	0.27
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	15	0.3	0.1	0.27
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	14	1.08	0.45	1.19
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	14	1.08	0.45	1.19
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	14	0.94	0.54	1.04
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	14	0.94	0.54	1.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	14	0.79	0.55	0.52
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	14	0.79	0.55	0.52
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	14	0.58	0.12	0.55
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	14	0.58	0.12	0.55
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	14	0.58	0.12	0.55
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	14	0.58	0.12	0.55
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	14	0.58	0.12	0.55
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	14	0.58	0.12	0.55
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	14	0.52	0.39	0.33
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	14	0.52	0.39	0.33
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	14	0.52	0.39	0.33
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	14	0.52	0.39	0.33
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	14	0.52	0.33	0.56
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	14	0.52	0.33	0.56
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	14	0.52	0.33	0.56
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	14	0.52	0.33	0.56
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	14	0.36	0.15	0.32
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	14	0.36	0.15	0.32
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	14	0.35	0.13	0.39
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	14	0.35	0.13	0.39
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	14	0.35	0.13	0.39
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	14	0.35	0.13	0.39
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	14	0.35	0.13	0.39
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	14	0.35	0.13	0.39
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	14	0.34	0.09	0.34
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	14	0.34	0.09	0.34
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	14	0.19	0.06	0.18
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	14	0.19	0.06	0.18
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	13	1.36	0.16	1.39
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	13	1.36	0.16	1.39
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	13	1.36	0.16	1.39
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	13	1.36	0.16	1.39
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	13	1.26	0.41	1.36
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	13	1.26	0.41	1.36
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	13	1.26	0.41	1.36
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	13	1.26	0.41	1.36
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	13	1.26	0.41	1.36
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	13	1.26	0.41	1.36
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	13	0.52	0.31	0.44
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	13	0.52	0.31	0.44
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	13	0.5	0.23	0.45
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	13	0.5	0.23	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	13	0.47	0.23	0.5
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	13	0.47	0.23	0.5
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	13	0.47	0.23	0.5
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	13	0.47	0.23	0.5
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	13	0.14	0.02	0.14
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	13	0.14	0.02	0.14
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	12	2.55	0.17	2.56
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	12	2.55	0.17	2.56
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	12	2.55	0.17	2.56
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	12	2.55	0.17	2.56
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	12	2.55	0.17	2.56
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	12	2.55	0.17	2.56
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	12	0.47	0.18	0.52
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	12	0.47	0.18	0.52
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	12	0.23	0.08	0.22
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	12	0.23	0.08	0.22
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	12	0.2	0.07	0.22
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	12	0.2	0.07	0.22
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	12	0.18	0.05	0.16
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	12	0.18	0.05	0.16
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	12	0.11	0.01	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	12	0.11	0.01	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	12	0.11	0.01	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	12	0.11	0.01	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	12	0.11	0.01	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	12	0.11	0.01	0.11
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	11	0.88	0.3	0.99
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	11	0.88	0.3	0.99
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	11	0.77	0.38	0.48
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	11	0.77	0.38	0.48
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	11	0.41	0.23	0.38
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	11	0.41	0.23	0.38
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	11	0.33	0.13	0.28
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	11	0.33	0.13	0.28
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	11	0.26	0.14	0.2
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	11	0.26	0.14	0.2
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	11	0.26	0.14	0.2
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	11	0.26	0.14	0.2
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	11	0.26	0.14	0.2
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	11	0.26	0.14	0.2
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	11	0.17	0.04	0.16
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	11	0.17	0.04	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	11	0.11	0.0	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	11	0.11	0.0	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	11	0.11	0.0	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	11	0.11	0.0	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	11	0.11	0.0	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	11	0.11	0.0	0.11
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	10	0.62	0.28	0.73
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	10	0.62	0.28	0.73
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	10	0.62	0.28	0.73
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	10	0.62	0.28	0.73
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	10	0.62	0.28	0.73
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	10	0.62	0.28	0.73
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	10	0.42	0.13	0.5
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	10	0.42	0.13	0.5
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	10	0.42	0.13	0.5
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	10	0.42	0.13	0.5
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	10	0.42	0.13	0.5
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	10	0.42	0.13	0.5
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	10	0.36	0.15	0.3
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	10	0.36	0.15	0.3
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	10	0.34	0.14	0.33
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	10	0.34	0.14	0.33
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	10	0.34	0.14	0.33
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	10	0.34	0.14	0.33
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	10	0.34	0.14	0.33
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	10	0.34	0.14	0.33
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	10	0.34	0.14	0.33
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	10	0.34	0.14	0.33
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	10	0.34	0.14	0.33
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	10	0.34	0.14	0.33
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	10	0.34	0.14	0.33
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	10	0.34	0.14	0.33
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	10	0.32	0.15	0.3
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	10	0.32	0.15	0.3
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	10	0.24	0.11	0.21
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	10	0.24	0.11	0.21
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	10	0.24	0.11	0.21
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	10	0.24	0.11	0.21
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	10	0.24	0.11	0.21
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	10	0.24	0.11	0.21
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	10	0.22	0.09	0.23
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	10	0.22	0.09	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	10	0.18	0.07	0.15
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	10	0.18	0.07	0.15
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	10	0.18	0.07	0.15
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	10	0.18	0.07	0.15
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	10	0.18	0.07	0.15
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	10	0.18	0.07	0.15
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	10	0.18	0.07	0.15
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	10	0.18	0.07	0.15
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	10	0.18	0.07	0.15
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	10	0.18	0.07	0.15
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	10	0.18	0.07	0.15
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	10	0.18	0.07	0.15
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	10	0.12	0.01	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	10	0.12	0.01	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	10	0.12	0.01	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	10	0.12	0.01	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	10	0.12	0.01	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	10	0.12	0.01	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	10	0.12	0.01	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	10	0.12	0.01	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	10	0.12	0.01	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	10	0.12	0.01	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	10	0.12	0.01	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	10	0.12	0.01	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	10	0.12	0.01	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	10	0.12	0.01	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	10	0.12	0.01	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	10	0.12	0.01	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	10	0.12	0.01	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	10	0.12	0.01	0.12
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	9	2.19	0.17	2.11
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	9	2.19	0.17	2.11
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	9	2.19	0.17	2.11
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	9	2.19	0.17	2.11
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	9	2.19	0.17	2.11
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	9	2.19	0.17	2.11
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	9	2.0	0.23	1.99
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	9	2.0	0.23	1.99
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	9	2.0	0.23	1.99
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	9	2.0	0.23	1.99
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	9	2.0	0.23	1.99
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	9	2.0	0.23	1.99

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	9	1.91	0.14	1.98
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	9	1.91	0.14	1.98
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	9	1.91	0.14	1.98
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	9	1.91	0.14	1.98
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	9	1.91	0.14	1.98
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	9	1.91	0.14	1.98
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	9	1.89	0.19	1.88
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	9	1.89	0.19	1.88
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	9	1.89	0.19	1.88
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	9	1.89	0.19	1.88
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	9	1.89	0.19	1.88
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	9	1.89	0.19	1.88
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	9	1.72	0.14	1.75
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	9	1.72	0.14	1.75
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	9	1.72	0.14	1.75
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	9	1.72	0.14	1.75
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	9	1.72	0.14	1.75
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	9	1.72	0.14	1.75
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	9	1.72	0.11	1.77
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	9	1.72	0.11	1.77
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	9	1.72	0.11	1.77
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	9	1.72	0.11	1.77
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	9	1.72	0.11	1.77
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	9	1.72	0.11	1.77
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	9	1.47	0.12	1.51
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	9	1.47	0.12	1.51
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	9	1.47	0.12	1.51
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	9	1.47	0.12	1.51
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	9	1.47	0.12	1.51
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	9	1.47	0.12	1.51
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	9	1.4	0.27	1.44
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	9	1.4	0.27	1.44
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	9	1.4	0.27	1.44
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	9	1.4	0.27	1.44
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	9	1.4	0.27	1.44
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	9	1.4	0.27	1.44
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	9	1.35	0.13	1.39
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	9	1.35	0.13	1.39
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	9	1.35	0.13	1.39
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	9	1.35	0.13	1.39
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	9	1.35	0.13	1.39
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	9	1.35	0.13	1.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	9	1.35	0.13	1.39
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	9	1.35	0.13	1.39
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	9	1.35	0.13	1.39
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	9	1.35	0.13	1.39
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	9	1.35	0.13	1.39
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	9	1.35	0.13	1.39
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	9	1.35	0.13	1.39
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	9	1.35	0.13	1.39
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	9	1.35	0.13	1.39
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	9	1.35	0.13	1.39
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	9	1.35	0.13	1.39
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	9	1.35	0.13	1.39
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	9	0.96	0.04	0.95
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	9	0.96	0.04	0.95
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	9	0.96	0.04	0.95
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	9	0.96	0.04	0.95
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	9	0.96	0.04	0.95
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	9	0.96	0.04	0.95
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	9	0.93	0.11	0.95
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	9	0.93	0.11	0.95
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	9	0.93	0.11	0.95
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	9	0.93	0.11	0.95
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	9	0.93	0.11	0.95
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	9	0.93	0.11	0.95
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	9	0.85	0.09	0.85
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	9	0.85	0.09	0.85
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	9	0.85	0.09	0.85
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	9	0.85	0.09	0.85
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	9	0.85	0.09	0.85
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	9	0.85	0.09	0.85
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	9	0.66	0.18	0.59
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	9	0.66	0.18	0.59
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	9	0.66	0.18	0.59
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	9	0.66	0.18	0.59
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	9	0.66	0.18	0.59
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	9	0.66	0.18	0.59
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	9	0.65	0.18	0.59
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	9	0.65	0.18	0.59
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	9	0.65	0.18	0.59
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	9	0.65	0.18	0.59
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	9	0.65	0.18	0.59
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	9	0.65	0.18	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	9	0.65	0.18	0.59
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	9	0.65	0.18	0.59
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	9	0.65	0.18	0.59
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	9	0.65	0.18	0.59
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	9	0.65	0.18	0.59
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	9	0.65	0.18	0.59
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	9	0.48	0.2	0.4
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	9	0.48	0.2	0.4
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	9	0.48	0.2	0.4
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	9	0.48	0.2	0.4
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	9	0.48	0.2	0.4
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	9	0.48	0.2	0.4
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	9	0.42	0.15	0.4
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	9	0.42	0.15	0.4
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	9	0.42	0.15	0.4
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	9	0.42	0.15	0.4
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	9	0.42	0.15	0.4
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	9	0.42	0.15	0.4
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	9	0.39	0.13	0.34
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	9	0.39	0.13	0.34
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	9	0.39	0.13	0.34
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	9	0.39	0.13	0.34
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	9	0.39	0.13	0.34
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	9	0.39	0.13	0.34
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	9	0.34	0.15	0.35
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	9	0.34	0.15	0.35
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	9	0.34	0.15	0.35
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	9	0.34	0.15	0.35
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	9	0.34	0.15	0.35
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	9	0.34	0.15	0.35
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	9	0.34	0.15	0.35
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	9	0.34	0.15	0.35
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	9	0.34	0.15	0.35
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	9	0.34	0.15	0.35
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	9	0.34	0.15	0.35
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	9	0.34	0.15	0.35
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	9	0.34	0.15	0.35
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	9	0.34	0.15	0.35
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	9	0.34	0.15	0.35
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	9	0.34	0.15	0.35
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	9	0.34	0.15	0.35
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	9	0.34	0.15	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	9	0.3	0.06	0.29
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	9	0.3	0.06	0.29
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	9	0.29	0.07	0.29
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	9	0.29	0.07	0.29
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	9	0.29	0.07	0.29
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	9	0.29	0.07	0.29
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	9	0.29	0.07	0.29
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	9	0.29	0.07	0.29
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	9	0.29	0.07	0.29
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	9	0.29	0.07	0.29
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	9	0.29	0.07	0.29
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	9	0.29	0.07	0.29
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	9	0.29	0.07	0.29
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	9	0.29	0.07	0.29
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	9	0.21	0.1	0.16
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	9	0.21	0.1	0.16
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	9	0.21	0.1	0.16
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	9	0.21	0.1	0.16
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	9	0.21	0.1	0.16
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	9	0.21	0.1	0.16
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	9	0.21	0.1	0.16
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	9	0.21	0.1	0.16
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	9	0.21	0.1	0.16
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	9	0.21	0.1	0.16
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	9	0.21	0.1	0.16
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	9	0.21	0.1	0.16
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	9	0.12	0.01	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	9	0.12	0.01	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	9	0.12	0.01	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	9	0.12	0.01	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	9	0.12	0.01	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	9	0.12	0.01	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	9	0.12	0.01	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	9	0.12	0.01	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	9	0.12	0.01	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	9	0.12	0.01	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	9	0.12	0.01	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	9	0.12	0.01	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	9	0.12	0.01	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	9	0.12	0.01	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	9	0.12	0.01	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	9	0.12	0.01	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	9	0.12	0.01	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	9	0.12	0.01	0.11
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	9	0.11	0.01	0.12
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	9	0.11	0.01	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	9	0.11	0.01	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	9	0.11	0.01	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	9	0.11	0.01	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	9	0.11	0.01	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	9	0.11	0.01	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	9	0.11	0.01	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	9	0.11	0.01	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	9	0.11	0.01	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	9	0.11	0.01	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	9	0.11	0.01	0.12
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	9	0.11	0.01	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	9	0.11	0.01	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	9	0.11	0.01	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	9	0.11	0.01	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	9	0.11	0.01	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	9	0.11	0.01	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	9	0.11	0.01	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	9	0.11	0.01	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	9	0.11	0.01	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	9	0.11	0.01	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	9	0.11	0.01	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	9	0.11	0.01	0.11
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	9	0.1	0.0	0.1
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	9	0.1	0.0	0.1
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	9	0.1	0.0	0.1
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	9	0.1	0.0	0.1
(1,1787)	1:148:A:ARG:HG3	1:152:A:GLU:H	8	1.0	0.26	0.9
(1,4956)	1:148:A:ARG:HG3	1:152:A:GLU:H	8	1.0	0.26	0.9
(1,935)	1:145:A:TRP:HA	1:148:A:ARG:HG2	8	0.76	0.11	0.74
(1,4104)	1:145:A:TRP:HA	1:148:A:ARG:HG2	8	0.76	0.11	0.74
(1,2608)	1:132:A:SER:H	1:217:A:GLN:HE21	8	0.68	0.29	0.84
(1,5777)	1:132:A:SER:H	1:217:A:GLN:HE21	8	0.68	0.29	0.84
(1,1124)	1:217:A:GLN:HA	1:221:A:GLU:HG3	8	0.65	0.34	0.6
(1,4293)	1:217:A:GLN:HA	1:221:A:GLU:HG3	8	0.65	0.34	0.6
(1,1799)	1:148:A:ARG:HG3	1:149:A:TYR:HA	8	0.58	0.18	0.62
(1,4968)	1:148:A:ARG:HG3	1:149:A:TYR:HA	8	0.58	0.18	0.62
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE1	8	0.51	0.37	0.28
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE2	8	0.51	0.37	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE3	8	0.51	0.37	0.28
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE1	8	0.51	0.37	0.28
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE2	8	0.51	0.37	0.28
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE3	8	0.51	0.37	0.28
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	8	0.38	0.19	0.32
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	8	0.38	0.19	0.32
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	8	0.38	0.19	0.32
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	8	0.38	0.19	0.32
(1,2415)	1:217:A:GLN:HE22	1:221:A:GLU:H	8	0.36	0.16	0.36
(1,5584)	1:217:A:GLN:HE22	1:221:A:GLU:H	8	0.36	0.16	0.36
(1,1521)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	8	0.3	0.16	0.24
(1,1521)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	8	0.3	0.16	0.24
(1,1521)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	8	0.3	0.16	0.24
(1,4690)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	8	0.3	0.16	0.24
(1,4690)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	8	0.3	0.16	0.24
(1,4690)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	8	0.3	0.16	0.24
(1,1766)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	8	0.24	0.07	0.24
(1,1766)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	8	0.24	0.07	0.24
(1,1766)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	8	0.24	0.07	0.24
(1,4935)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	8	0.24	0.07	0.24
(1,4935)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	8	0.24	0.07	0.24
(1,4935)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	8	0.24	0.07	0.24
(1,318)	1:166:A:VAL:HG21	1:167:A:ASP:HA	8	0.11	0.01	0.11
(1,318)	1:166:A:VAL:HG22	1:167:A:ASP:HA	8	0.11	0.01	0.11
(1,318)	1:166:A:VAL:HG23	1:167:A:ASP:HA	8	0.11	0.01	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	8	0.11	0.01	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	8	0.11	0.01	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	8	0.11	0.01	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	8	0.11	0.01	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	8	0.11	0.01	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	8	0.11	0.01	0.11
(1,3487)	1:166:A:VAL:HG21	1:167:A:ASP:HA	8	0.11	0.01	0.11
(1,3487)	1:166:A:VAL:HG22	1:167:A:ASP:HA	8	0.11	0.01	0.11
(1,3487)	1:166:A:VAL:HG23	1:167:A:ASP:HA	8	0.11	0.01	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	8	0.11	0.01	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	8	0.11	0.01	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	8	0.11	0.01	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	8	0.11	0.01	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	8	0.11	0.01	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	8	0.11	0.01	0.11
(1,2701)	1:130:A:LEU:HD11	1:163:A:TYR:H	7	1.03	0.12	0.97
(1,2701)	1:130:A:LEU:HD12	1:163:A:TYR:H	7	1.03	0.12	0.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2701)	1:130:A:LEU:HD13	1:163:A:TYR:H	7	1.03	0.12	0.97
(1,5870)	1:130:A:LEU:HD11	1:163:A:TYR:H	7	1.03	0.12	0.97
(1,5870)	1:130:A:LEU:HD12	1:163:A:TYR:H	7	1.03	0.12	0.97
(1,5870)	1:130:A:LEU:HD13	1:163:A:TYR:H	7	1.03	0.12	0.97
(1,1798)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	7	0.76	0.29	0.77
(1,4967)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	7	0.76	0.29	0.77
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD21	7	0.74	0.27	0.78
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD22	7	0.74	0.27	0.78
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD23	7	0.74	0.27	0.78
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD21	7	0.74	0.27	0.78
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD22	7	0.74	0.27	0.78
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD23	7	0.74	0.27	0.78
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD21	7	0.74	0.27	0.78
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD22	7	0.74	0.27	0.78
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD23	7	0.74	0.27	0.78
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD21	7	0.74	0.27	0.78
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD22	7	0.74	0.27	0.78
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD23	7	0.74	0.27	0.78
(1,263)	1:130:A:LEU:HD11	1:161:A:VAL:HA	7	0.73	0.34	0.63
(1,263)	1:130:A:LEU:HD12	1:161:A:VAL:HA	7	0.73	0.34	0.63
(1,263)	1:130:A:LEU:HD13	1:161:A:VAL:HA	7	0.73	0.34	0.63
(1,3432)	1:130:A:LEU:HD11	1:161:A:VAL:HA	7	0.73	0.34	0.63
(1,3432)	1:130:A:LEU:HD12	1:161:A:VAL:HA	7	0.73	0.34	0.63
(1,3432)	1:130:A:LEU:HD13	1:161:A:VAL:HA	7	0.73	0.34	0.63
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG21	7	0.58	0.2	0.63
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG22	7	0.58	0.2	0.63
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG23	7	0.58	0.2	0.63
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG21	7	0.58	0.2	0.63
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG22	7	0.58	0.2	0.63
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG23	7	0.58	0.2	0.63
(1,262)	1:130:A:LEU:HD11	1:162:A:TYR:HA	7	0.43	0.1	0.45
(1,262)	1:130:A:LEU:HD12	1:162:A:TYR:HA	7	0.43	0.1	0.45
(1,262)	1:130:A:LEU:HD13	1:162:A:TYR:HA	7	0.43	0.1	0.45
(1,3431)	1:130:A:LEU:HD11	1:162:A:TYR:HA	7	0.43	0.1	0.45
(1,3431)	1:130:A:LEU:HD12	1:162:A:TYR:HA	7	0.43	0.1	0.45
(1,3431)	1:130:A:LEU:HD13	1:162:A:TYR:HA	7	0.43	0.1	0.45
(1,2986)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	7	0.36	0.05	0.37
(1,6155)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	7	0.36	0.05	0.37
(1,121)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	7	0.33	0.12	0.34
(1,121)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	7	0.33	0.12	0.34
(1,121)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	7	0.33	0.12	0.34
(1,3290)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	7	0.33	0.12	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3290)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	7	0.33	0.12	0.34
(1,3290)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	7	0.33	0.12	0.34
(1,2068)	1:129:A:MET:H	1:165:A:PRO:HD2	7	0.27	0.15	0.22
(1,5237)	1:129:A:MET:H	1:165:A:PRO:HD2	7	0.27	0.15	0.22
(1,597)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	7	0.25	0.08	0.3
(1,597)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	7	0.25	0.08	0.3
(1,597)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	7	0.25	0.08	0.3
(1,3766)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	7	0.25	0.08	0.3
(1,3766)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	7	0.25	0.08	0.3
(1,3766)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	7	0.25	0.08	0.3
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG11	7	0.23	0.08	0.25
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG12	7	0.23	0.08	0.25
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG13	7	0.23	0.08	0.25
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG11	7	0.23	0.08	0.25
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG12	7	0.23	0.08	0.25
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG13	7	0.23	0.08	0.25
(1,1674)	1:183:A:THR:HG21	1:184:A:ILE:HG13	7	0.2	0.05	0.19
(1,1674)	1:183:A:THR:HG22	1:184:A:ILE:HG13	7	0.2	0.05	0.19
(1,1674)	1:183:A:THR:HG23	1:184:A:ILE:HG13	7	0.2	0.05	0.19
(1,4843)	1:183:A:THR:HG21	1:184:A:ILE:HG13	7	0.2	0.05	0.19
(1,4843)	1:183:A:THR:HG22	1:184:A:ILE:HG13	7	0.2	0.05	0.19
(1,4843)	1:183:A:THR:HG23	1:184:A:ILE:HG13	7	0.2	0.05	0.19
(1,1573)	1:133:A:ALA:HA	1:134:A:MET:HG3	7	0.2	0.05	0.22
(1,4742)	1:133:A:ALA:HA	1:134:A:MET:HG3	7	0.2	0.05	0.22
(1,2517)	1:210:A:VAL:HG11	1:212:A:GLN:H	7	0.2	0.06	0.17
(1,2517)	1:210:A:VAL:HG12	1:212:A:GLN:H	7	0.2	0.06	0.17
(1,2517)	1:210:A:VAL:HG13	1:212:A:GLN:H	7	0.2	0.06	0.17
(1,5686)	1:210:A:VAL:HG11	1:212:A:GLN:H	7	0.2	0.06	0.17
(1,5686)	1:210:A:VAL:HG12	1:212:A:GLN:H	7	0.2	0.06	0.17
(1,5686)	1:210:A:VAL:HG13	1:212:A:GLN:H	7	0.2	0.06	0.17
(1,3115)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	7	0.13	0.02	0.14
(1,3115)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	7	0.13	0.02	0.14
(1,6284)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	7	0.13	0.02	0.14
(1,6284)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	7	0.13	0.02	0.14
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG21	7	0.12	0.01	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG22	7	0.12	0.01	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG23	7	0.12	0.01	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG21	7	0.12	0.01	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG22	7	0.12	0.01	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG23	7	0.12	0.01	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG21	7	0.12	0.01	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG22	7	0.12	0.01	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG23	7	0.12	0.01	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG21	7	0.12	0.01	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG22	7	0.12	0.01	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG23	7	0.12	0.01	0.12
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG21	7	0.11	0.01	0.11
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG22	7	0.11	0.01	0.11
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG23	7	0.11	0.01	0.11
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG21	7	0.11	0.01	0.11
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG22	7	0.11	0.01	0.11
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG23	7	0.11	0.01	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB1	7	0.1	0.0	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB2	7	0.1	0.0	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB3	7	0.1	0.0	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB1	7	0.1	0.0	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB2	7	0.1	0.0	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB3	7	0.1	0.0	0.1
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	6	1.75	0.02	1.75
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	6	1.75	0.02	1.75
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	6	1.75	0.02	1.75
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	6	1.75	0.02	1.75
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	6	1.75	0.02	1.75
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	6	1.75	0.02	1.75
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	6	1.75	0.02	1.75
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	6	1.75	0.02	1.75
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	6	1.75	0.02	1.75
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	6	1.75	0.02	1.75
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	6	1.75	0.02	1.75
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	6	1.75	0.02	1.75
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	6	1.44	0.09	1.4
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	6	1.44	0.09	1.4
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	6	1.44	0.09	1.4
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	6	1.44	0.09	1.4
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	6	1.44	0.09	1.4
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	6	1.44	0.09	1.4
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	6	1.44	0.09	1.4
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	6	1.44	0.09	1.4
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	6	1.44	0.09	1.4
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	6	1.44	0.09	1.4
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	6	1.44	0.09	1.4
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	6	1.44	0.09	1.4
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	6	0.9	0.46	0.86
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	6	0.9	0.46	0.86

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	6	0.9	0.46	0.86
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	6	0.9	0.46	0.86
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	6	0.9	0.46	0.86
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	6	0.9	0.46	0.86
(1,553)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	6	0.82	0.51	1.05
(1,553)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	6	0.82	0.51	1.05
(1,553)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	6	0.82	0.51	1.05
(1,3722)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	6	0.82	0.51	1.05
(1,3722)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	6	0.82	0.51	1.05
(1,3722)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	6	0.82	0.51	1.05
(1,3050)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	6	0.8	0.17	0.82
(1,3050)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	6	0.8	0.17	0.82
(1,6219)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	6	0.8	0.17	0.82
(1,6219)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	6	0.8	0.17	0.82
(1,2597)	1:130:A:LEU:HD11	1:160:A:GLN:H	6	0.61	0.38	0.46
(1,2597)	1:130:A:LEU:HD12	1:160:A:GLN:H	6	0.61	0.38	0.46
(1,2597)	1:130:A:LEU:HD13	1:160:A:GLN:H	6	0.61	0.38	0.46
(1,5766)	1:130:A:LEU:HD11	1:160:A:GLN:H	6	0.61	0.38	0.46
(1,5766)	1:130:A:LEU:HD12	1:160:A:GLN:H	6	0.61	0.38	0.46
(1,5766)	1:130:A:LEU:HD13	1:160:A:GLN:H	6	0.61	0.38	0.46
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE1	6	0.56	0.34	0.38
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE2	6	0.56	0.34	0.38
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE3	6	0.56	0.34	0.38
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE1	6	0.56	0.34	0.38
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE2	6	0.56	0.34	0.38
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE3	6	0.56	0.34	0.38
(1,255)	1:130:A:LEU:HG	1:131:A:GLY:HA3	6	0.55	0.04	0.56
(1,3424)	1:130:A:LEU:HG	1:131:A:GLY:HA3	6	0.55	0.04	0.56
(1,169)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	6	0.53	0.27	0.49
(1,169)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	6	0.53	0.27	0.49
(1,3338)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	6	0.53	0.27	0.49
(1,3338)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	6	0.53	0.27	0.49
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG11	6	0.48	0.14	0.5
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG12	6	0.48	0.14	0.5
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG13	6	0.48	0.14	0.5
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG11	6	0.48	0.14	0.5
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG12	6	0.48	0.14	0.5
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG13	6	0.48	0.14	0.5
(1,236)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	6	0.44	0.31	0.4
(1,236)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	6	0.44	0.31	0.4
(1,236)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	6	0.44	0.31	0.4
(1,3405)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	6	0.44	0.31	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3405)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	6	0.44	0.31	0.4
(1,3405)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	6	0.44	0.31	0.4
(1,1772)	1:164:A:ARG:HE	1:165:A:PRO:HG3	6	0.43	0.19	0.35
(1,4941)	1:164:A:ARG:HE	1:165:A:PRO:HG3	6	0.43	0.19	0.35
(1,1543)	1:136:A:ARG:HA	1:136:A:ARG:HG3	6	0.38	0.15	0.38
(1,4712)	1:136:A:ARG:HA	1:136:A:ARG:HG3	6	0.38	0.15	0.38
(1,1323)	1:130:A:LEU:HG	1:160:A:GLN:HG2	6	0.37	0.16	0.3
(1,4492)	1:130:A:LEU:HG	1:160:A:GLN:HG2	6	0.37	0.16	0.3
(1,2275)	1:166:A:VAL:H	1:221:A:GLU:HG2	6	0.35	0.19	0.28
(1,5444)	1:166:A:VAL:H	1:221:A:GLU:HG2	6	0.35	0.19	0.28
(1,1862)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	6	0.31	0.02	0.32
(1,5031)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	6	0.31	0.02	0.32
(1,490)	1:137:A:PRO:HD3	1:209:A:VAL:HA	6	0.3	0.14	0.3
(1,3659)	1:137:A:PRO:HD3	1:209:A:VAL:HA	6	0.3	0.14	0.3
(1,968)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	6	0.29	0.39	0.12
(1,4137)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	6	0.29	0.39	0.12
(1,2359)	1:153:A:ASN:HB3	1:154:A:MET:H	6	0.28	0.16	0.28
(1,5528)	1:153:A:ASN:HB3	1:154:A:MET:H	6	0.28	0.16	0.28
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG2	6	0.27	0.17	0.2
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG3	6	0.27	0.17	0.2
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG2	6	0.27	0.17	0.2
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG3	6	0.27	0.17	0.2
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG2	6	0.27	0.17	0.2
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG3	6	0.27	0.17	0.2
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG2	6	0.27	0.17	0.2
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG3	6	0.27	0.17	0.2
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG2	6	0.27	0.17	0.2
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG3	6	0.27	0.17	0.2
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG2	6	0.27	0.17	0.2
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG3	6	0.27	0.17	0.2
(1,1583)	1:134:A:MET:HG3	1:160:A:GLN:HA	6	0.22	0.06	0.22
(1,4752)	1:134:A:MET:HG3	1:160:A:GLN:HA	6	0.22	0.06	0.22
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	6	0.2	0.08	0.18
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	6	0.2	0.08	0.18
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	6	0.2	0.08	0.18
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	6	0.2	0.08	0.18
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	6	0.2	0.08	0.18
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	6	0.2	0.08	0.18
(1,3000)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	6	0.18	0.07	0.16
(1,6169)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	6	0.18	0.07	0.16
(1,247)	1:216:A:THR:HG21	1:217:A:GLN:HG2	6	0.11	0.0	0.11
(1,247)	1:216:A:THR:HG22	1:217:A:GLN:HG2	6	0.11	0.0	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,247)	1:216:A:THR:HG23	1:217:A:GLN:HG2	6	0.11	0.0	0.11
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG21	6	0.11	0.01	0.11
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG22	6	0.11	0.01	0.11
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG23	6	0.11	0.01	0.11
(1,2908)	1:175:A:PHE:HE1	1:179:A:CYS:HA	6	0.11	0.01	0.11
(1,2908)	1:175:A:PHE:HE2	1:179:A:CYS:HA	6	0.11	0.01	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE1	6	0.11	0.01	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE2	6	0.11	0.01	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE3	6	0.11	0.01	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE1	6	0.11	0.01	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE2	6	0.11	0.01	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE3	6	0.11	0.01	0.11
(1,3416)	1:216:A:THR:HG21	1:217:A:GLN:HG2	6	0.11	0.0	0.11
(1,3416)	1:216:A:THR:HG22	1:217:A:GLN:HG2	6	0.11	0.0	0.11
(1,3416)	1:216:A:THR:HG23	1:217:A:GLN:HG2	6	0.11	0.0	0.11
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG21	6	0.11	0.01	0.11
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG22	6	0.11	0.01	0.11
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG23	6	0.11	0.01	0.11
(1,6077)	1:175:A:PHE:HE1	1:179:A:CYS:HA	6	0.11	0.01	0.11
(1,6077)	1:175:A:PHE:HE2	1:179:A:CYS:HA	6	0.11	0.01	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE1	6	0.11	0.01	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE2	6	0.11	0.01	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE3	6	0.11	0.01	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE1	6	0.11	0.01	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE2	6	0.11	0.01	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE3	6	0.11	0.01	0.11
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	6	0.11	0.01	0.11
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	6	0.11	0.01	0.11
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	6	0.11	0.01	0.11
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	6	0.11	0.01	0.11
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	6	0.11	0.01	0.11
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	6	0.11	0.01	0.11
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	6	0.11	0.01	0.11
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	6	0.11	0.01	0.11
(1,675)	1:161:A:VAL:HG21	1:179:A:CYS:HA	6	0.11	0.0	0.11
(1,675)	1:161:A:VAL:HG22	1:179:A:CYS:HA	6	0.11	0.0	0.11
(1,675)	1:161:A:VAL:HG23	1:179:A:CYS:HA	6	0.11	0.0	0.11
(1,3844)	1:161:A:VAL:HG21	1:179:A:CYS:HA	6	0.11	0.0	0.11
(1,3844)	1:161:A:VAL:HG22	1:179:A:CYS:HA	6	0.11	0.0	0.11
(1,3844)	1:161:A:VAL:HG23	1:179:A:CYS:HA	6	0.11	0.0	0.11
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB2	6	0.1	0.0	0.1
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB3	6	0.1	0.0	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB2	6	0.1	0.0	0.1
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB3	6	0.1	0.0	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG21	6	0.1	0.0	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG22	6	0.1	0.0	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG23	6	0.1	0.0	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG21	6	0.1	0.0	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG22	6	0.1	0.0	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG23	6	0.1	0.0	0.1
(1,1014)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	5	1.11	0.76	1.69
(1,1014)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	5	1.11	0.76	1.69
(1,1014)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	5	1.11	0.76	1.69
(1,4183)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	5	1.11	0.76	1.69
(1,4183)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	5	1.11	0.76	1.69
(1,4183)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	5	1.11	0.76	1.69
(1,2600)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	5	0.81	0.58	0.91
(1,5769)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	5	0.81	0.58	0.91
(1,1605)	1:136:A:ARG:HG2	1:154:A:MET:HB3	5	0.68	0.24	0.57
(1,4774)	1:136:A:ARG:HG2	1:154:A:MET:HB3	5	0.68	0.24	0.57
(1,1483)	1:184:A:ILE:HG21	1:206:A:MET:HG3	5	0.44	0.19	0.48
(1,1483)	1:184:A:ILE:HG22	1:206:A:MET:HG3	5	0.44	0.19	0.48
(1,1483)	1:184:A:ILE:HG23	1:206:A:MET:HG3	5	0.44	0.19	0.48
(1,4652)	1:184:A:ILE:HG21	1:206:A:MET:HG3	5	0.44	0.19	0.48
(1,4652)	1:184:A:ILE:HG22	1:206:A:MET:HG3	5	0.44	0.19	0.48
(1,4652)	1:184:A:ILE:HG23	1:206:A:MET:HG3	5	0.44	0.19	0.48
(1,1000)	1:214:A:CYS:HA	1:217:A:GLN:HB3	5	0.41	0.05	0.43
(1,4169)	1:214:A:CYS:HA	1:217:A:GLN:HB3	5	0.41	0.05	0.43
(1,1149)	1:148:A:ARG:HA	1:152:A:GLU:HG2	5	0.33	0.09	0.34
(1,4318)	1:148:A:ARG:HA	1:152:A:GLU:HG2	5	0.33	0.09	0.34
(1,1934)	1:135:A:SER:HB2	1:136:A:ARG:H	5	0.25	0.04	0.28
(1,5103)	1:135:A:SER:HB2	1:136:A:ARG:H	5	0.25	0.04	0.28
(1,1444)	1:196:A:GLU:HA	1:196:A:GLU:HG3	5	0.2	0.04	0.2
(1,4613)	1:196:A:GLU:HA	1:196:A:GLU:HG3	5	0.2	0.04	0.2
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	5	0.11	0.01	0.11
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	5	0.11	0.01	0.11
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	5	0.11	0.01	0.11
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	5	0.11	0.01	0.11
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	5	0.11	0.01	0.11
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	5	0.11	0.01	0.11
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	5	0.11	0.01	0.11
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	5	0.11	0.01	0.11
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	5	0.11	0.01	0.11
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	5	0.11	0.01	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	5	0.11	0.01	0.11
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	5	0.11	0.01	0.11
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE1	5	0.1	0.0	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE2	5	0.1	0.0	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE3	5	0.1	0.0	0.1
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	5	0.1	0.0	0.1
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	5	0.1	0.0	0.1
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	5	0.1	0.0	0.1
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	5	0.1	0.0	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE1	5	0.1	0.0	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE2	5	0.1	0.0	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE3	5	0.1	0.0	0.1
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	5	0.1	0.0	0.1
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	5	0.1	0.0	0.1
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	5	0.1	0.0	0.1
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	5	0.1	0.0	0.1
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG21	4	1.6	0.87	2.06
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG22	4	1.6	0.87	2.06
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG23	4	1.6	0.87	2.06
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG21	4	1.6	0.87	2.06
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG22	4	1.6	0.87	2.06
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG23	4	1.6	0.87	2.06
(1,635)	1:161:A:VAL:HG21	1:217:A:GLN:HA	4	1.46	0.78	1.85
(1,635)	1:161:A:VAL:HG22	1:217:A:GLN:HA	4	1.46	0.78	1.85
(1,635)	1:161:A:VAL:HG23	1:217:A:GLN:HA	4	1.46	0.78	1.85
(1,3804)	1:161:A:VAL:HG21	1:217:A:GLN:HA	4	1.46	0.78	1.85
(1,3804)	1:161:A:VAL:HG22	1:217:A:GLN:HA	4	1.46	0.78	1.85
(1,3804)	1:161:A:VAL:HG23	1:217:A:GLN:HA	4	1.46	0.78	1.85
(1,1711)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	4	1.35	0.11	1.37
(1,4880)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	4	1.35	0.11	1.37
(1,875)	1:222:A:SER:HB3	1:223:A:GLN:HA	4	1.33	0.01	1.33
(1,4044)	1:222:A:SER:HB3	1:223:A:GLN:HA	4	1.33	0.01	1.33
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	4	1.26	0.68	1.54
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	4	1.26	0.68	1.54
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	4	1.26	0.68	1.54
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	4	1.26	0.68	1.54
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	4	1.26	0.68	1.54
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	4	1.26	0.68	1.54
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	4	1.26	0.68	1.54
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	4	1.26	0.68	1.54
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	4	1.26	0.68	1.54
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	4	1.26	0.68	1.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	4	1.26	0.68	1.54
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	4	1.26	0.68	1.54
(1,2792)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	4	1.16	0.18	1.12
(1,2792)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	4	1.16	0.18	1.12
(1,5961)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	4	1.16	0.18	1.12
(1,5961)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	4	1.16	0.18	1.12
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	4	0.92	0.61	0.66
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	4	0.92	0.61	0.66
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	4	0.92	0.61	0.66
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	4	0.92	0.61	0.66
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	4	0.92	0.61	0.66
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	4	0.92	0.61	0.66
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	4	0.92	0.61	0.66
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	4	0.92	0.61	0.66
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	4	0.92	0.61	0.66
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	4	0.92	0.61	0.66
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	4	0.92	0.61	0.66
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	4	0.92	0.61	0.66
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	4	0.91	0.45	1.12
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	4	0.91	0.45	1.12
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	4	0.91	0.45	1.12
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	4	0.91	0.45	1.12
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	4	0.91	0.45	1.12
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	4	0.91	0.45	1.12
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	4	0.91	0.45	1.12
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	4	0.91	0.45	1.12
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	4	0.91	0.45	1.12
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	4	0.91	0.45	1.12
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	4	0.91	0.45	1.12
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	4	0.91	0.45	1.12
(1,1463)	1:166:A:VAL:HB	1:222:A:SER:HB2	4	0.84	0.36	0.82
(1,4632)	1:166:A:VAL:HB	1:222:A:SER:HB2	4	0.84	0.36	0.82
(1,835)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	4	0.81	0.55	0.76
(1,835)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	4	0.81	0.55	0.76
(1,835)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	4	0.81	0.55	0.76
(1,4004)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	4	0.81	0.55	0.76
(1,4004)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	4	0.81	0.55	0.76
(1,4004)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	4	0.81	0.55	0.76
(1,1082)	1:170:A:SER:HA	1:171:A:ASN:HB2	4	0.8	0.16	0.74
(1,4251)	1:170:A:SER:HA	1:171:A:ASN:HB2	4	0.8	0.16	0.74
(1,848)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	4	0.72	0.51	0.64
(1,848)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	4	0.72	0.51	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,848)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	4	0.72	0.51	0.64
(1,4017)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	4	0.72	0.51	0.64
(1,4017)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	4	0.72	0.51	0.64
(1,4017)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	4	0.72	0.51	0.64
(1,2314)	1:178:A:ASP:H	1:178:A:ASP:HB2	4	0.48	0.06	0.49
(1,5483)	1:178:A:ASP:H	1:178:A:ASP:HB2	4	0.48	0.06	0.49
(1,854)	1:221:A:GLU:HB3	1:222:A:SER:HB2	4	0.41	0.18	0.34
(1,4023)	1:221:A:GLU:HB3	1:222:A:SER:HB2	4	0.41	0.18	0.34
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	4	0.39	0.48	0.11
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	4	0.39	0.48	0.11
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	4	0.39	0.48	0.11
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	4	0.39	0.48	0.11
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	4	0.39	0.48	0.11
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	4	0.39	0.48	0.11
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	4	0.39	0.48	0.11
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	4	0.39	0.48	0.11
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	4	0.39	0.48	0.11
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	4	0.39	0.48	0.11
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	4	0.39	0.48	0.11
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	4	0.39	0.48	0.11
(1,1731)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	4	0.35	0.15	0.32
(1,4900)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	4	0.35	0.15	0.32
(1,3148)	1:218:A:TYR:HE1	1:222:A:SER:HB2	4	0.28	0.26	0.14
(1,3148)	1:218:A:TYR:HE2	1:222:A:SER:HB2	4	0.28	0.26	0.14
(1,6317)	1:218:A:TYR:HE1	1:222:A:SER:HB2	4	0.28	0.26	0.14
(1,6317)	1:218:A:TYR:HE2	1:222:A:SER:HB2	4	0.28	0.26	0.14
(1,852)	1:219:A:GLN:HA	1:222:A:SER:HB2	4	0.27	0.0	0.27
(1,4021)	1:219:A:GLN:HA	1:222:A:SER:HB2	4	0.27	0.0	0.27
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG21	4	0.24	0.09	0.21
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG22	4	0.24	0.09	0.21
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG23	4	0.24	0.09	0.21
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG21	4	0.24	0.09	0.21
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG22	4	0.24	0.09	0.21
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG23	4	0.24	0.09	0.21
(1,681)	1:132:A:SER:HB2	1:133:A:ALA:H	4	0.24	0.06	0.22
(1,3850)	1:132:A:SER:HB2	1:133:A:ALA:H	4	0.24	0.06	0.22
(1,499)	1:208:A:ARG:HA	1:208:A:ARG:HD2	4	0.21	0.11	0.17
(1,3668)	1:208:A:ARG:HA	1:208:A:ARG:HD2	4	0.21	0.11	0.17
(1,1234)	1:196:A:GLU:H	1:196:A:GLU:HG3	4	0.18	0.04	0.16
(1,4403)	1:196:A:GLU:H	1:196:A:GLU:HG3	4	0.18	0.04	0.16
(1,1700)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	4	0.18	0.1	0.12
(1,1700)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	4	0.18	0.1	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,4869)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	4	0.18	0.1	0.12
(1,4869)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	4	0.18	0.1	0.12
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE1	4	0.17	0.1	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE2	4	0.17	0.1	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE3	4	0.17	0.1	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE1	4	0.17	0.1	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE2	4	0.17	0.1	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE3	4	0.17	0.1	0.11
(1,2619)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	4	0.16	0.01	0.16
(1,5788)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	4	0.16	0.01	0.16
(1,2143)	1:149:A:TYR:HB2	1:150:A:TYR:H	4	0.15	0.04	0.14
(1,5312)	1:149:A:TYR:HB2	1:150:A:TYR:H	4	0.15	0.04	0.14
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE1	4	0.14	0.02	0.15
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE2	4	0.14	0.02	0.15
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE3	4	0.14	0.02	0.15
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE1	4	0.14	0.02	0.15
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE2	4	0.14	0.02	0.15
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE3	4	0.14	0.02	0.15
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE1	4	0.14	0.05	0.12
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE2	4	0.14	0.05	0.12
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE3	4	0.14	0.05	0.12
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE1	4	0.14	0.05	0.12
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE2	4	0.14	0.05	0.12
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE3	4	0.14	0.05	0.12
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE1	4	0.14	0.05	0.12
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE2	4	0.14	0.05	0.12
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE3	4	0.14	0.05	0.12
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE1	4	0.14	0.05	0.12
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE2	4	0.14	0.05	0.12
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE3	4	0.14	0.05	0.12
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE1	4	0.14	0.05	0.12
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE2	4	0.14	0.05	0.12
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE3	4	0.14	0.05	0.12
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE1	4	0.14	0.05	0.12
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE2	4	0.14	0.05	0.12
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE3	4	0.14	0.05	0.12
(1,23)	1:204:A:LYS:H	1:204:A:LYS:HG3	4	0.13	0.02	0.12
(1,3192)	1:204:A:LYS:H	1:204:A:LYS:HG3	4	0.13	0.02	0.12
(1,1673)	1:184:A:ILE:HA	1:184:A:ILE:HG13	4	0.12	0.01	0.13
(1,4842)	1:184:A:ILE:HA	1:184:A:ILE:HG13	4	0.12	0.01	0.13
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE1	4	0.12	0.01	0.12
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE2	4	0.12	0.01	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE3	4	0.12	0.01	0.12
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE1	4	0.12	0.01	0.12
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE2	4	0.12	0.01	0.12
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE3	4	0.12	0.01	0.12
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE1	4	0.12	0.01	0.12
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE2	4	0.12	0.01	0.12
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE3	4	0.12	0.01	0.12
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE1	4	0.12	0.01	0.12
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE2	4	0.12	0.01	0.12
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE3	4	0.12	0.01	0.12
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG21	4	0.12	0.0	0.12
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG22	4	0.12	0.0	0.12
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG23	4	0.12	0.0	0.12
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG21	4	0.12	0.0	0.12
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG22	4	0.12	0.0	0.12
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG23	4	0.12	0.0	0.12
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG21	4	0.12	0.0	0.12
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG22	4	0.12	0.0	0.12
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG23	4	0.12	0.0	0.12
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG21	4	0.12	0.0	0.12
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG22	4	0.12	0.0	0.12
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG23	4	0.12	0.0	0.12
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG21	4	0.12	0.0	0.12
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG22	4	0.12	0.0	0.12
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG23	4	0.12	0.0	0.12
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG21	4	0.12	0.0	0.12
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG22	4	0.12	0.0	0.12
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG23	4	0.12	0.0	0.12
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG21	4	0.11	0.0	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG22	4	0.11	0.0	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG23	4	0.11	0.0	0.11
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE1	4	0.11	0.0	0.11
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE2	4	0.11	0.0	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG21	4	0.11	0.0	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG22	4	0.11	0.0	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG23	4	0.11	0.0	0.11
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE1	4	0.11	0.0	0.11
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE2	4	0.11	0.0	0.11
(1,291)	1:176:A:VAL:HG11	1:181:A:ASN:H	4	0.11	0.0	0.11
(1,291)	1:176:A:VAL:HG12	1:181:A:ASN:H	4	0.11	0.0	0.11
(1,291)	1:176:A:VAL:HG13	1:181:A:ASN:H	4	0.11	0.0	0.11
(1,474)	1:148:A:ARG:HD2	1:149:A:TYR:HA	4	0.11	0.0	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,474)	1:148:A:ARG:HD3	1:149:A:TYR:HA	4	0.11	0.0	0.11
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	4	0.11	0.0	0.11
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	4	0.11	0.0	0.11
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	4	0.11	0.0	0.11
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	4	0.11	0.0	0.11
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	4	0.11	0.0	0.11
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	4	0.11	0.0	0.11
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	4	0.11	0.0	0.11
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	4	0.11	0.0	0.11
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	4	0.11	0.0	0.11
(1,3460)	1:176:A:VAL:HG11	1:181:A:ASN:H	4	0.11	0.0	0.11
(1,3460)	1:176:A:VAL:HG12	1:181:A:ASN:H	4	0.11	0.0	0.11
(1,3460)	1:176:A:VAL:HG13	1:181:A:ASN:H	4	0.11	0.0	0.11
(1,3643)	1:148:A:ARG:HD2	1:149:A:TYR:HA	4	0.11	0.0	0.11
(1,3643)	1:148:A:ARG:HD3	1:149:A:TYR:HA	4	0.11	0.0	0.11
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	4	0.11	0.0	0.11
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	4	0.11	0.0	0.11
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	4	0.11	0.0	0.11
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	4	0.11	0.0	0.11
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	4	0.11	0.0	0.11
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	4	0.11	0.0	0.11
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	4	0.11	0.0	0.11
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	4	0.11	0.0	0.11
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	4	0.11	0.0	0.11
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD11	4	0.1	0.0	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD12	4	0.1	0.0	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD13	4	0.1	0.0	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD11	4	0.1	0.0	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD12	4	0.1	0.0	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD13	4	0.1	0.0	0.1
(1,2779)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	4	0.1	0.0	0.1
(1,2779)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	4	0.1	0.0	0.1
(1,5948)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	4	0.1	0.0	0.1
(1,5948)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	4	0.1	0.0	0.1
(1,3141)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	3	2.29	0.25	2.16
(1,3141)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	3	2.29	0.25	2.16
(1,3141)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	3	2.29	0.25	2.16
(1,3141)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	3	2.29	0.25	2.16
(1,3141)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	3	2.29	0.25	2.16
(1,3141)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	3	2.29	0.25	2.16
(1,6310)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	3	2.29	0.25	2.16
(1,6310)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	3	2.29	0.25	2.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6310)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	3	2.29	0.25	2.16
(1,6310)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	3	2.29	0.25	2.16
(1,6310)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	3	2.29	0.25	2.16
(1,6310)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	3	2.29	0.25	2.16
(1,2603)	1:161:A:VAL:HG21	1:217:A:GLN:HE22	3	2.16	0.25	2.06
(1,2603)	1:161:A:VAL:HG22	1:217:A:GLN:HE22	3	2.16	0.25	2.06
(1,2603)	1:161:A:VAL:HG23	1:217:A:GLN:HE22	3	2.16	0.25	2.06
(1,5772)	1:161:A:VAL:HG21	1:217:A:GLN:HE22	3	2.16	0.25	2.06
(1,5772)	1:161:A:VAL:HG22	1:217:A:GLN:HE22	3	2.16	0.25	2.06
(1,5772)	1:161:A:VAL:HG23	1:217:A:GLN:HE22	3	2.16	0.25	2.06
(1,2606)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	3	1.56	0.3	1.62
(1,2606)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	3	1.56	0.3	1.62
(1,2606)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	3	1.56	0.3	1.62
(1,5775)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	3	1.56	0.3	1.62
(1,5775)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	3	1.56	0.3	1.62
(1,5775)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	3	1.56	0.3	1.62
(1,3147)	1:166:A:VAL:HG21	1:218:A:TYR:HE1	3	1.54	0.08	1.59
(1,3147)	1:166:A:VAL:HG21	1:218:A:TYR:HE2	3	1.54	0.08	1.59
(1,3147)	1:166:A:VAL:HG22	1:218:A:TYR:HE1	3	1.54	0.08	1.59
(1,3147)	1:166:A:VAL:HG22	1:218:A:TYR:HE2	3	1.54	0.08	1.59
(1,3147)	1:166:A:VAL:HG23	1:218:A:TYR:HE1	3	1.54	0.08	1.59
(1,3147)	1:166:A:VAL:HG23	1:218:A:TYR:HE2	3	1.54	0.08	1.59
(1,6316)	1:166:A:VAL:HG21	1:218:A:TYR:HE1	3	1.54	0.08	1.59
(1,6316)	1:166:A:VAL:HG21	1:218:A:TYR:HE2	3	1.54	0.08	1.59
(1,6316)	1:166:A:VAL:HG22	1:218:A:TYR:HE1	3	1.54	0.08	1.59
(1,6316)	1:166:A:VAL:HG22	1:218:A:TYR:HE2	3	1.54	0.08	1.59
(1,6316)	1:166:A:VAL:HG23	1:218:A:TYR:HE1	3	1.54	0.08	1.59
(1,6316)	1:166:A:VAL:HG23	1:218:A:TYR:HE2	3	1.54	0.08	1.59
(1,639)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	3	1.32	0.38	1.4
(1,639)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	3	1.32	0.38	1.4
(1,639)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	3	1.32	0.38	1.4
(1,3808)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	3	1.32	0.38	1.4
(1,3808)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	3	1.32	0.38	1.4
(1,3808)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	3	1.32	0.38	1.4
(1,2780)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	3	1.27	0.31	1.12
(1,2780)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	3	1.27	0.31	1.12
(1,2780)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	3	1.27	0.31	1.12
(1,2780)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	3	1.27	0.31	1.12
(1,2780)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	3	1.27	0.31	1.12
(1,2780)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	3	1.27	0.31	1.12
(1,5949)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	3	1.27	0.31	1.12
(1,5949)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	3	1.27	0.31	1.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5949)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	3	1.27	0.31	1.12
(1,5949)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	3	1.27	0.31	1.12
(1,5949)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	3	1.27	0.31	1.12
(1,5949)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	3	1.27	0.31	1.12
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	3	1.19	0.25	1.06
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	3	1.19	0.25	1.06
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	3	1.19	0.25	1.06
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	3	1.19	0.25	1.06
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	3	1.19	0.25	1.06
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	3	1.19	0.25	1.06
(1,2849)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	3	1.18	0.1	1.12
(1,2849)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	3	1.18	0.1	1.12
(1,2849)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	3	1.18	0.1	1.12
(1,2849)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	3	1.18	0.1	1.12
(1,2849)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	3	1.18	0.1	1.12
(1,2849)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	3	1.18	0.1	1.12
(1,6018)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	3	1.18	0.1	1.12
(1,6018)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	3	1.18	0.1	1.12
(1,6018)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	3	1.18	0.1	1.12
(1,6018)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	3	1.18	0.1	1.12
(1,6018)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	3	1.18	0.1	1.12
(1,6018)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	3	1.18	0.1	1.12
(1,2900)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	3	1.16	0.04	1.15
(1,2900)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	3	1.16	0.04	1.15
(1,2900)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	3	1.16	0.04	1.15
(1,2900)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	3	1.16	0.04	1.15
(1,2900)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	3	1.16	0.04	1.15
(1,2900)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	3	1.16	0.04	1.15
(1,6069)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	3	1.16	0.04	1.15
(1,6069)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	3	1.16	0.04	1.15
(1,6069)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	3	1.16	0.04	1.15
(1,6069)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	3	1.16	0.04	1.15
(1,6069)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	3	1.16	0.04	1.15
(1,6069)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	3	1.16	0.04	1.15
(1,933)	1:166:A:VAL:HG11	1:225:A:TYR:HB3	3	1.11	0.21	1.14
(1,933)	1:166:A:VAL:HG12	1:225:A:TYR:HB3	3	1.11	0.21	1.14
(1,933)	1:166:A:VAL:HG13	1:225:A:TYR:HB3	3	1.11	0.21	1.14
(1,4102)	1:166:A:VAL:HG11	1:225:A:TYR:HB3	3	1.11	0.21	1.14
(1,4102)	1:166:A:VAL:HG12	1:225:A:TYR:HB3	3	1.11	0.21	1.14
(1,4102)	1:166:A:VAL:HG13	1:225:A:TYR:HB3	3	1.11	0.21	1.14
(1,2854)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	3	1.07	0.14	1.15
(1,2854)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	3	1.07	0.14	1.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2854)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	3	1.07	0.14	1.15
(1,2854)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	3	1.07	0.14	1.15
(1,2854)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	3	1.07	0.14	1.15
(1,2854)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	3	1.07	0.14	1.15
(1,6023)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	3	1.07	0.14	1.15
(1,6023)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	3	1.07	0.14	1.15
(1,6023)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	3	1.07	0.14	1.15
(1,6023)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	3	1.07	0.14	1.15
(1,6023)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	3	1.07	0.14	1.15
(1,6023)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	3	1.07	0.14	1.15
(1,2194)	1:161:A:VAL:HG21	1:218:A:TYR:H	3	1.02	0.18	1.09
(1,2194)	1:161:A:VAL:HG22	1:218:A:TYR:H	3	1.02	0.18	1.09
(1,2194)	1:161:A:VAL:HG23	1:218:A:TYR:H	3	1.02	0.18	1.09
(1,5363)	1:161:A:VAL:HG21	1:218:A:TYR:H	3	1.02	0.18	1.09
(1,5363)	1:161:A:VAL:HG22	1:218:A:TYR:H	3	1.02	0.18	1.09
(1,5363)	1:161:A:VAL:HG23	1:218:A:TYR:H	3	1.02	0.18	1.09
(1,336)	1:166:A:VAL:HG11	1:225:A:TYR:HB2	3	0.89	0.12	0.9
(1,336)	1:166:A:VAL:HG12	1:225:A:TYR:HB2	3	0.89	0.12	0.9
(1,336)	1:166:A:VAL:HG13	1:225:A:TYR:HB2	3	0.89	0.12	0.9
(1,3505)	1:166:A:VAL:HG11	1:225:A:TYR:HB2	3	0.89	0.12	0.9
(1,3505)	1:166:A:VAL:HG12	1:225:A:TYR:HB2	3	0.89	0.12	0.9
(1,3505)	1:166:A:VAL:HG13	1:225:A:TYR:HB2	3	0.89	0.12	0.9
(1,2920)	1:166:A:VAL:HG21	1:175:A:PHE:HE1	3	0.75	0.1	0.8
(1,2920)	1:166:A:VAL:HG21	1:175:A:PHE:HE2	3	0.75	0.1	0.8
(1,2920)	1:166:A:VAL:HG22	1:175:A:PHE:HE1	3	0.75	0.1	0.8
(1,2920)	1:166:A:VAL:HG22	1:175:A:PHE:HE2	3	0.75	0.1	0.8
(1,2920)	1:166:A:VAL:HG23	1:175:A:PHE:HE1	3	0.75	0.1	0.8
(1,2920)	1:166:A:VAL:HG23	1:175:A:PHE:HE2	3	0.75	0.1	0.8
(1,6089)	1:166:A:VAL:HG21	1:175:A:PHE:HE1	3	0.75	0.1	0.8
(1,6089)	1:166:A:VAL:HG21	1:175:A:PHE:HE2	3	0.75	0.1	0.8
(1,6089)	1:166:A:VAL:HG22	1:175:A:PHE:HE1	3	0.75	0.1	0.8
(1,6089)	1:166:A:VAL:HG22	1:175:A:PHE:HE2	3	0.75	0.1	0.8
(1,6089)	1:166:A:VAL:HG23	1:175:A:PHE:HE1	3	0.75	0.1	0.8
(1,6089)	1:166:A:VAL:HG23	1:175:A:PHE:HE2	3	0.75	0.1	0.8
(1,2682)	1:171:A:ASN:HD22	1:174:A:ASN:HD22	3	0.72	0.45	0.57
(1,5851)	1:171:A:ASN:HD22	1:174:A:ASN:HD22	3	0.72	0.45	0.57
(1,637)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	3	0.7	0.16	0.71
(1,637)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	3	0.7	0.16	0.71
(1,637)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	3	0.7	0.16	0.71
(1,3806)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	3	0.7	0.16	0.71
(1,3806)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	3	0.7	0.16	0.71
(1,3806)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	3	0.7	0.16	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,320)	1:166:A:VAL:HG21	1:218:A:TYR:HA	3	0.68	0.03	0.69
(1,320)	1:166:A:VAL:HG22	1:218:A:TYR:HA	3	0.68	0.03	0.69
(1,320)	1:166:A:VAL:HG23	1:218:A:TYR:HA	3	0.68	0.03	0.69
(1,3489)	1:166:A:VAL:HG21	1:218:A:TYR:HA	3	0.68	0.03	0.69
(1,3489)	1:166:A:VAL:HG22	1:218:A:TYR:HA	3	0.68	0.03	0.69
(1,3489)	1:166:A:VAL:HG23	1:218:A:TYR:HA	3	0.68	0.03	0.69
(1,1596)	1:166:A:VAL:HG11	1:167:A:ASP:HA	3	0.67	0.03	0.69
(1,1596)	1:166:A:VAL:HG12	1:167:A:ASP:HA	3	0.67	0.03	0.69
(1,1596)	1:166:A:VAL:HG13	1:167:A:ASP:HA	3	0.67	0.03	0.69
(1,4765)	1:166:A:VAL:HG11	1:167:A:ASP:HA	3	0.67	0.03	0.69
(1,4765)	1:166:A:VAL:HG12	1:167:A:ASP:HA	3	0.67	0.03	0.69
(1,4765)	1:166:A:VAL:HG13	1:167:A:ASP:HA	3	0.67	0.03	0.69
(1,564)	1:211:A:GLU:HG2	1:214:A:CYS:HB3	3	0.59	0.27	0.66
(1,3733)	1:211:A:GLU:HG2	1:214:A:CYS:HB3	3	0.59	0.27	0.66
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG21	3	0.54	0.0	0.54
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG22	3	0.54	0.0	0.54
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG23	3	0.54	0.0	0.54
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG21	3	0.54	0.0	0.54
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG22	3	0.54	0.0	0.54
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG23	3	0.54	0.0	0.54
(1,640)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	3	0.53	0.21	0.47
(1,640)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	3	0.53	0.21	0.47
(1,640)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	3	0.53	0.21	0.47
(1,3809)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	3	0.53	0.21	0.47
(1,3809)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	3	0.53	0.21	0.47
(1,3809)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	3	0.53	0.21	0.47
(1,379)	1:136:A:ARG:HD3	1:154:A:MET:HG2	3	0.48	0.09	0.53
(1,3548)	1:136:A:ARG:HD3	1:154:A:MET:HG2	3	0.48	0.09	0.53
(1,672)	1:161:A:VAL:HG21	1:217:A:GLN:H	3	0.46	0.14	0.54
(1,672)	1:161:A:VAL:HG22	1:217:A:GLN:H	3	0.46	0.14	0.54
(1,672)	1:161:A:VAL:HG23	1:217:A:GLN:H	3	0.46	0.14	0.54
(1,3841)	1:161:A:VAL:HG21	1:217:A:GLN:H	3	0.46	0.14	0.54
(1,3841)	1:161:A:VAL:HG22	1:217:A:GLN:H	3	0.46	0.14	0.54
(1,3841)	1:161:A:VAL:HG23	1:217:A:GLN:H	3	0.46	0.14	0.54
(1,1820)	1:168:A:GLN:HB2	1:169:A:TYR:HE1	3	0.44	0.06	0.46
(1,1820)	1:168:A:GLN:HB2	1:169:A:TYR:HE2	3	0.44	0.06	0.46
(1,4989)	1:168:A:GLN:HB2	1:169:A:TYR:HE1	3	0.44	0.06	0.46
(1,4989)	1:168:A:GLN:HB2	1:169:A:TYR:HE2	3	0.44	0.06	0.46
(1,328)	1:166:A:VAL:HG11	1:167:A:ASP:H	3	0.42	0.06	0.38
(1,328)	1:166:A:VAL:HG12	1:167:A:ASP:H	3	0.42	0.06	0.38
(1,328)	1:166:A:VAL:HG13	1:167:A:ASP:H	3	0.42	0.06	0.38
(1,454)	1:164:A:ARG:HD3	1:165:A:PRO:HD3	3	0.42	0.2	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3497)	1:166:A:VAL:HG11	1:167:A:ASP:H	3	0.42	0.06	0.38
(1,3497)	1:166:A:VAL:HG12	1:167:A:ASP:H	3	0.42	0.06	0.38
(1,3497)	1:166:A:VAL:HG13	1:167:A:ASP:H	3	0.42	0.06	0.38
(1,3623)	1:164:A:ARG:HD3	1:165:A:PRO:HD3	3	0.42	0.2	0.51
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD11	3	0.41	0.26	0.28
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD12	3	0.41	0.26	0.28
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD13	3	0.41	0.26	0.28
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD11	3	0.41	0.26	0.28
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD12	3	0.41	0.26	0.28
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD13	3	0.41	0.26	0.28
(1,1454)	1:137:A:PRO:HD2	1:213:A:MET:HG2	3	0.4	0.19	0.46
(1,4623)	1:137:A:PRO:HD2	1:213:A:MET:HG2	3	0.4	0.19	0.46
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG21	3	0.38	0.3	0.17
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG22	3	0.38	0.3	0.17
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG23	3	0.38	0.3	0.17
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG21	3	0.38	0.3	0.17
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG22	3	0.38	0.3	0.17
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG23	3	0.38	0.3	0.17
(1,2602)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	3	0.37	0.08	0.42
(1,5771)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	3	0.37	0.08	0.42
(1,2794)	1:168:A:GLN:HB3	1:169:A:TYR:HD1	3	0.36	0.07	0.39
(1,2794)	1:168:A:GLN:HB3	1:169:A:TYR:HD2	3	0.36	0.07	0.39
(1,5963)	1:168:A:GLN:HB3	1:169:A:TYR:HD1	3	0.36	0.07	0.39
(1,5963)	1:168:A:GLN:HB3	1:169:A:TYR:HD2	3	0.36	0.07	0.39
(1,448)	1:148:A:ARG:HD2	1:151:A:ARG:HD2	3	0.33	0.14	0.29
(1,448)	1:148:A:ARG:HD3	1:151:A:ARG:HD2	3	0.33	0.14	0.29
(1,3617)	1:148:A:ARG:HD2	1:151:A:ARG:HD2	3	0.33	0.14	0.29
(1,3617)	1:148:A:ARG:HD3	1:151:A:ARG:HD2	3	0.33	0.14	0.29
(1,784)	1:129:A:MET:HE1	1:221:A:GLU:HG3	3	0.25	0.2	0.11
(1,784)	1:129:A:MET:HE2	1:221:A:GLU:HG3	3	0.25	0.2	0.11
(1,784)	1:129:A:MET:HE3	1:221:A:GLU:HG3	3	0.25	0.2	0.11
(1,3953)	1:129:A:MET:HE1	1:221:A:GLU:HG3	3	0.25	0.2	0.11
(1,3953)	1:129:A:MET:HE2	1:221:A:GLU:HG3	3	0.25	0.2	0.11
(1,3953)	1:129:A:MET:HE3	1:221:A:GLU:HG3	3	0.25	0.2	0.11
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG11	3	0.23	0.07	0.24
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG12	3	0.23	0.07	0.24
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG13	3	0.23	0.07	0.24
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG11	3	0.23	0.07	0.24
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG12	3	0.23	0.07	0.24
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG13	3	0.23	0.07	0.24
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG11	3	0.23	0.07	0.24
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG12	3	0.23	0.07	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG13	3	0.23	0.07	0.24
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG11	3	0.23	0.07	0.24
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG12	3	0.23	0.07	0.24
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG13	3	0.23	0.07	0.24
(1,1694)	1:136:A:ARG:HG2	1:137:A:PRO:HD3	3	0.21	0.06	0.17
(1,4863)	1:136:A:ARG:HG2	1:137:A:PRO:HD3	3	0.21	0.06	0.17
(1,389)	1:121:A:VAL:HG21	1:122:A:VAL:H	3	0.14	0.03	0.13
(1,389)	1:121:A:VAL:HG22	1:122:A:VAL:H	3	0.14	0.03	0.13
(1,389)	1:121:A:VAL:HG23	1:122:A:VAL:H	3	0.14	0.03	0.13
(1,3558)	1:121:A:VAL:HG21	1:122:A:VAL:H	3	0.14	0.03	0.13
(1,3558)	1:121:A:VAL:HG22	1:122:A:VAL:H	3	0.14	0.03	0.13
(1,3558)	1:121:A:VAL:HG23	1:122:A:VAL:H	3	0.14	0.03	0.13
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG21	3	0.12	0.02	0.13
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG22	3	0.12	0.02	0.13
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG23	3	0.12	0.02	0.13
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG21	3	0.12	0.02	0.13
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG22	3	0.12	0.02	0.13
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG23	3	0.12	0.02	0.13
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG21	3	0.12	0.02	0.13
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG22	3	0.12	0.02	0.13
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG23	3	0.12	0.02	0.13
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG21	3	0.12	0.02	0.11
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG22	3	0.12	0.02	0.11
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG23	3	0.12	0.02	0.11
(1,2545)	1:152:A:GLU:H	1:152:A:GLU:HG2	3	0.12	0.03	0.11
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG21	3	0.12	0.02	0.13
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG22	3	0.12	0.02	0.13
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG23	3	0.12	0.02	0.13
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG21	3	0.12	0.02	0.13
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG22	3	0.12	0.02	0.13
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG23	3	0.12	0.02	0.13
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG21	3	0.12	0.02	0.13
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG22	3	0.12	0.02	0.13
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG23	3	0.12	0.02	0.13
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG21	3	0.12	0.02	0.11
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG22	3	0.12	0.02	0.11
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG23	3	0.12	0.02	0.11
(1,5714)	1:152:A:GLU:H	1:152:A:GLU:HG2	3	0.12	0.03	0.11
(1,323)	1:193:A:THR:HG21	1:194:A:LYS:HG3	3	0.12	0.01	0.11
(1,323)	1:193:A:THR:HG22	1:194:A:LYS:HG3	3	0.12	0.01	0.11
(1,323)	1:193:A:THR:HG23	1:194:A:LYS:HG3	3	0.12	0.01	0.11
(1,523)	1:193:A:THR:HG21	1:194:A:LYS:HE2	3	0.12	0.0	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,523)	1:193:A:THR:HG21	1:194:A:LYS:HE3	3	0.12	0.0	0.12
(1,523)	1:193:A:THR:HG22	1:194:A:LYS:HE2	3	0.12	0.0	0.12
(1,523)	1:193:A:THR:HG22	1:194:A:LYS:HE3	3	0.12	0.0	0.12
(1,523)	1:193:A:THR:HG23	1:194:A:LYS:HE2	3	0.12	0.0	0.12
(1,523)	1:193:A:THR:HG23	1:194:A:LYS:HE3	3	0.12	0.0	0.12
(1,1572)	1:134:A:MET:HA	1:134:A:MET:HG3	3	0.12	0.0	0.12
(1,3492)	1:193:A:THR:HG21	1:194:A:LYS:HG3	3	0.12	0.01	0.11
(1,3492)	1:193:A:THR:HG22	1:194:A:LYS:HG3	3	0.12	0.01	0.11
(1,3492)	1:193:A:THR:HG23	1:194:A:LYS:HG3	3	0.12	0.01	0.11
(1,3692)	1:193:A:THR:HG21	1:194:A:LYS:HE2	3	0.12	0.0	0.12
(1,3692)	1:193:A:THR:HG21	1:194:A:LYS:HE3	3	0.12	0.0	0.12
(1,3692)	1:193:A:THR:HG22	1:194:A:LYS:HE2	3	0.12	0.0	0.12
(1,3692)	1:193:A:THR:HG22	1:194:A:LYS:HE3	3	0.12	0.0	0.12
(1,3692)	1:193:A:THR:HG23	1:194:A:LYS:HE2	3	0.12	0.0	0.12
(1,3692)	1:193:A:THR:HG23	1:194:A:LYS:HE3	3	0.12	0.0	0.12
(1,4741)	1:134:A:MET:HA	1:134:A:MET:HG3	3	0.12	0.0	0.12
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	3	0.11	0.01	0.11
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	3	0.11	0.01	0.11
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	3	0.11	0.01	0.11
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	3	0.11	0.01	0.11
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	3	0.11	0.01	0.11
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	3	0.11	0.01	0.11
(1,325)	1:191:A:THR:HG21	1:198:A:PHE:HD1	3	0.11	0.02	0.1
(1,325)	1:191:A:THR:HG21	1:198:A:PHE:HD2	3	0.11	0.02	0.1
(1,325)	1:191:A:THR:HG22	1:198:A:PHE:HD1	3	0.11	0.02	0.1
(1,325)	1:191:A:THR:HG22	1:198:A:PHE:HD2	3	0.11	0.02	0.1
(1,325)	1:191:A:THR:HG23	1:198:A:PHE:HD1	3	0.11	0.02	0.1
(1,325)	1:191:A:THR:HG23	1:198:A:PHE:HD2	3	0.11	0.02	0.1
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	3	0.11	0.01	0.11
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	3	0.11	0.01	0.11
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	3	0.11	0.01	0.11
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	3	0.11	0.01	0.11
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	3	0.11	0.01	0.11
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	3	0.11	0.01	0.11
(1,3494)	1:191:A:THR:HG21	1:198:A:PHE:HD1	3	0.11	0.02	0.1
(1,3494)	1:191:A:THR:HG21	1:198:A:PHE:HD2	3	0.11	0.02	0.1
(1,3494)	1:191:A:THR:HG22	1:198:A:PHE:HD1	3	0.11	0.02	0.1
(1,3494)	1:191:A:THR:HG22	1:198:A:PHE:HD2	3	0.11	0.02	0.1
(1,3494)	1:191:A:THR:HG23	1:198:A:PHE:HD1	3	0.11	0.02	0.1
(1,3494)	1:191:A:THR:HG23	1:198:A:PHE:HD2	3	0.11	0.02	0.1
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE1	3	0.11	0.0	0.11
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE2	3	0.11	0.0	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE3	3	0.11	0.0	0.11
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE1	3	0.11	0.0	0.11
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE2	3	0.11	0.0	0.11
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE3	3	0.11	0.0	0.11
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE1	3	0.11	0.0	0.11
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE2	3	0.11	0.0	0.11
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE3	3	0.11	0.0	0.11
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE1	3	0.11	0.0	0.11
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE2	3	0.11	0.0	0.11
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE3	3	0.11	0.0	0.11
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE1	3	0.11	0.0	0.11
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE2	3	0.11	0.0	0.11
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE3	3	0.11	0.0	0.11
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE1	3	0.11	0.0	0.11
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE2	3	0.11	0.0	0.11
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE3	3	0.11	0.0	0.11
(1,2942)	1:196:A:GLU:HB2	1:198:A:PHE:HD1	3	0.11	0.01	0.11
(1,2942)	1:196:A:GLU:HB2	1:198:A:PHE:HD2	3	0.11	0.01	0.11
(1,2942)	1:196:A:GLU:HB3	1:198:A:PHE:HD1	3	0.11	0.01	0.11
(1,2942)	1:196:A:GLU:HB3	1:198:A:PHE:HD2	3	0.11	0.01	0.11
(1,6111)	1:196:A:GLU:HB2	1:198:A:PHE:HD1	3	0.11	0.01	0.11
(1,6111)	1:196:A:GLU:HB2	1:198:A:PHE:HD2	3	0.11	0.01	0.11
(1,6111)	1:196:A:GLU:HB3	1:198:A:PHE:HD1	3	0.11	0.01	0.11
(1,6111)	1:196:A:GLU:HB3	1:198:A:PHE:HD2	3	0.11	0.01	0.11
(1,211)	1:195:A:GLY:HA2	1:196:A:GLU:HB2	3	0.11	0.0	0.11
(1,211)	1:195:A:GLY:HA2	1:196:A:GLU:HB3	3	0.11	0.0	0.11
(1,3380)	1:195:A:GLY:HA2	1:196:A:GLU:HB2	3	0.11	0.0	0.11
(1,3380)	1:195:A:GLY:HA2	1:196:A:GLU:HB3	3	0.11	0.0	0.11
(1,728)	1:134:A:MET:HE1	1:220:A:LYS:HE2	3	0.1	0.0	0.1
(1,728)	1:134:A:MET:HE1	1:220:A:LYS:HE3	3	0.1	0.0	0.1
(1,728)	1:134:A:MET:HE2	1:220:A:LYS:HE2	3	0.1	0.0	0.1
(1,728)	1:134:A:MET:HE2	1:220:A:LYS:HE3	3	0.1	0.0	0.1
(1,728)	1:134:A:MET:HE3	1:220:A:LYS:HE2	3	0.1	0.0	0.1
(1,728)	1:134:A:MET:HE3	1:220:A:LYS:HE3	3	0.1	0.0	0.1
(1,2802)	1:150:A:TYR:HD1	1:157:A:TYR:HE1	3	0.1	0.0	0.1
(1,2802)	1:150:A:TYR:HD1	1:157:A:TYR:HE2	3	0.1	0.0	0.1
(1,2802)	1:150:A:TYR:HD2	1:157:A:TYR:HE1	3	0.1	0.0	0.1
(1,2802)	1:150:A:TYR:HD2	1:157:A:TYR:HE2	3	0.1	0.0	0.1
(1,3122)	1:225:A:TYR:HE1	1:229:A:ARG:HG2	3	0.1	0.0	0.1
(1,3122)	1:225:A:TYR:HE1	1:229:A:ARG:HG3	3	0.1	0.0	0.1
(1,3122)	1:225:A:TYR:HE2	1:229:A:ARG:HG2	3	0.1	0.0	0.1
(1,3122)	1:225:A:TYR:HE2	1:229:A:ARG:HG3	3	0.1	0.0	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3897)	1:134:A:MET:HE1	1:220:A:LYS:HE2	3	0.1	0.0	0.1
(1,3897)	1:134:A:MET:HE1	1:220:A:LYS:HE3	3	0.1	0.0	0.1
(1,3897)	1:134:A:MET:HE2	1:220:A:LYS:HE2	3	0.1	0.0	0.1
(1,3897)	1:134:A:MET:HE2	1:220:A:LYS:HE3	3	0.1	0.0	0.1
(1,3897)	1:134:A:MET:HE3	1:220:A:LYS:HE2	3	0.1	0.0	0.1
(1,3897)	1:134:A:MET:HE3	1:220:A:LYS:HE3	3	0.1	0.0	0.1
(1,5971)	1:150:A:TYR:HD1	1:157:A:TYR:HE1	3	0.1	0.0	0.1
(1,5971)	1:150:A:TYR:HD1	1:157:A:TYR:HE2	3	0.1	0.0	0.1
(1,5971)	1:150:A:TYR:HD2	1:157:A:TYR:HE1	3	0.1	0.0	0.1
(1,5971)	1:150:A:TYR:HD2	1:157:A:TYR:HE2	3	0.1	0.0	0.1
(1,6291)	1:225:A:TYR:HE1	1:229:A:ARG:HG2	3	0.1	0.0	0.1
(1,6291)	1:225:A:TYR:HE1	1:229:A:ARG:HG3	3	0.1	0.0	0.1
(1,6291)	1:225:A:TYR:HE2	1:229:A:ARG:HG2	3	0.1	0.0	0.1
(1,6291)	1:225:A:TYR:HE2	1:229:A:ARG:HG3	3	0.1	0.0	0.1
(1,3006)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	3	0.1	0.0	0.1
(1,3006)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	3	0.1	0.0	0.1
(1,3006)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	3	0.1	0.0	0.1
(1,3095)	1:149:A:TYR:HE1	1:150:A:TYR:HA	3	0.1	0.0	0.1
(1,3095)	1:149:A:TYR:HE2	1:150:A:TYR:HA	3	0.1	0.0	0.1
(1,6175)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	3	0.1	0.0	0.1
(1,6175)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	3	0.1	0.0	0.1
(1,6175)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	3	0.1	0.0	0.1
(1,6264)	1:149:A:TYR:HE1	1:150:A:TYR:HA	3	0.1	0.0	0.1
(1,6264)	1:149:A:TYR:HE2	1:150:A:TYR:HA	3	0.1	0.0	0.1
(1,1467)	1:161:A:VAL:HG11	1:213:A:MET:HG3	2	0.55	0.24	0.55
(1,1467)	1:161:A:VAL:HG12	1:213:A:MET:HG3	2	0.55	0.24	0.55
(1,1467)	1:161:A:VAL:HG13	1:213:A:MET:HG3	2	0.55	0.24	0.55
(1,4636)	1:161:A:VAL:HG11	1:213:A:MET:HG3	2	0.55	0.24	0.55
(1,4636)	1:161:A:VAL:HG12	1:213:A:MET:HG3	2	0.55	0.24	0.55
(1,4636)	1:161:A:VAL:HG13	1:213:A:MET:HG3	2	0.55	0.24	0.55
(1,75)	1:206:A:MET:HG2	1:210:A:VAL:HG21	2	0.52	0.05	0.52
(1,75)	1:206:A:MET:HG2	1:210:A:VAL:HG22	2	0.52	0.05	0.52
(1,75)	1:206:A:MET:HG2	1:210:A:VAL:HG23	2	0.52	0.05	0.52
(1,75)	1:206:A:MET:HG3	1:210:A:VAL:HG21	2	0.52	0.05	0.52
(1,75)	1:206:A:MET:HG3	1:210:A:VAL:HG22	2	0.52	0.05	0.52
(1,75)	1:206:A:MET:HG3	1:210:A:VAL:HG23	2	0.52	0.05	0.52
(1,2596)	1:160:A:GLN:H	1:161:A:VAL:HG11	2	0.52	0.03	0.52
(1,2596)	1:160:A:GLN:H	1:161:A:VAL:HG12	2	0.52	0.03	0.52
(1,2596)	1:160:A:GLN:H	1:161:A:VAL:HG13	2	0.52	0.03	0.52
(1,3244)	1:206:A:MET:HG2	1:210:A:VAL:HG21	2	0.52	0.05	0.52
(1,3244)	1:206:A:MET:HG2	1:210:A:VAL:HG22	2	0.52	0.05	0.52
(1,3244)	1:206:A:MET:HG2	1:210:A:VAL:HG23	2	0.52	0.05	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3244)	1:206:A:MET:HG3	1:210:A:VAL:HG21	2	0.52	0.05	0.52
(1,3244)	1:206:A:MET:HG3	1:210:A:VAL:HG22	2	0.52	0.05	0.52
(1,3244)	1:206:A:MET:HG3	1:210:A:VAL:HG23	2	0.52	0.05	0.52
(1,5765)	1:160:A:GLN:H	1:161:A:VAL:HG11	2	0.52	0.03	0.52
(1,5765)	1:160:A:GLN:H	1:161:A:VAL:HG12	2	0.52	0.03	0.52
(1,5765)	1:160:A:GLN:H	1:161:A:VAL:HG13	2	0.52	0.03	0.52
(1,602)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	2	0.47	0.2	0.47
(1,602)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	2	0.47	0.2	0.47
(1,602)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	2	0.47	0.2	0.47
(1,602)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	2	0.47	0.2	0.47
(1,602)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	2	0.47	0.2	0.47
(1,602)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	2	0.47	0.2	0.47
(1,602)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	2	0.47	0.2	0.47
(1,602)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	2	0.47	0.2	0.47
(1,602)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	2	0.47	0.2	0.47
(1,3771)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	2	0.47	0.2	0.47
(1,3771)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	2	0.47	0.2	0.47
(1,3771)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	2	0.47	0.2	0.47
(1,3771)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	2	0.47	0.2	0.47
(1,3771)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	2	0.47	0.2	0.47
(1,3771)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	2	0.47	0.2	0.47
(1,3771)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	2	0.47	0.2	0.47
(1,3771)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	2	0.47	0.2	0.47
(1,3771)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	2	0.47	0.2	0.47
(1,54)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	2	0.4	0.01	0.4
(1,54)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	2	0.4	0.01	0.4
(1,54)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	2	0.4	0.01	0.4
(1,3223)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	2	0.4	0.01	0.4
(1,3223)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	2	0.4	0.01	0.4
(1,3223)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	2	0.4	0.01	0.4
(1,1176)	1:135:A:SER:HA	1:136:A:ARG:HB2	2	0.36	0.01	0.36
(1,4345)	1:135:A:SER:HA	1:136:A:ARG:HB2	2	0.36	0.01	0.36
(1,761)	1:169:A:TYR:HE1	1:171:A:ASN:HB2	2	0.34	0.05	0.34
(1,761)	1:169:A:TYR:HE2	1:171:A:ASN:HB2	2	0.34	0.05	0.34
(1,3930)	1:169:A:TYR:HE1	1:171:A:ASN:HB2	2	0.34	0.05	0.34
(1,3930)	1:169:A:TYR:HE2	1:171:A:ASN:HB2	2	0.34	0.05	0.34
(1,109)	1:161:A:VAL:HG11	1:213:A:MET:H	2	0.32	0.16	0.32
(1,109)	1:161:A:VAL:HG12	1:213:A:MET:H	2	0.32	0.16	0.32
(1,109)	1:161:A:VAL:HG13	1:213:A:MET:H	2	0.32	0.16	0.32
(1,3278)	1:161:A:VAL:HG11	1:213:A:MET:H	2	0.32	0.16	0.32
(1,3278)	1:161:A:VAL:HG12	1:213:A:MET:H	2	0.32	0.16	0.32
(1,3278)	1:161:A:VAL:HG13	1:213:A:MET:H	2	0.32	0.16	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2161)	1:171:A:ASN:HB3	1:172:A:GLN:H	2	0.31	0.01	0.31
(1,2332)	1:171:A:ASN:HB2	1:174:A:ASN:H	2	0.31	0.04	0.31
(1,5330)	1:171:A:ASN:HB3	1:172:A:GLN:H	2	0.31	0.01	0.31
(1,5501)	1:171:A:ASN:HB2	1:174:A:ASN:H	2	0.31	0.04	0.31
(1,561)	1:179:A:CYS:HB2	1:214:A:CYS:HB3	2	0.3	0.02	0.3
(1,3730)	1:179:A:CYS:HB2	1:214:A:CYS:HB3	2	0.3	0.02	0.3
(1,1806)	1:137:A:PRO:HD3	1:209:A:VAL:HG21	2	0.29	0.0	0.29
(1,1806)	1:137:A:PRO:HD3	1:209:A:VAL:HG22	2	0.29	0.0	0.29
(1,1806)	1:137:A:PRO:HD3	1:209:A:VAL:HG23	2	0.29	0.0	0.29
(1,4975)	1:137:A:PRO:HD3	1:209:A:VAL:HG21	2	0.29	0.0	0.29
(1,4975)	1:137:A:PRO:HD3	1:209:A:VAL:HG22	2	0.29	0.0	0.29
(1,4975)	1:137:A:PRO:HD3	1:209:A:VAL:HG23	2	0.29	0.0	0.29
(1,2604)	1:217:A:GLN:HE21	1:220:A:LYS:HB3	2	0.28	0.13	0.28
(1,5773)	1:217:A:GLN:HE21	1:220:A:LYS:HB3	2	0.28	0.13	0.28
(1,2424)	1:171:A:ASN:HB3	1:173:A:ASN:H	2	0.28	0.11	0.28
(1,5593)	1:171:A:ASN:HB3	1:173:A:ASN:H	2	0.28	0.11	0.28
(1,2609)	1:132:A:SER:H	1:132:A:SER:HB2	2	0.28	0.04	0.28
(1,5778)	1:132:A:SER:H	1:132:A:SER:HB2	2	0.28	0.04	0.28
(1,1371)	1:159:A:ASN:HB3	1:160:A:GLN:HG2	2	0.26	0.06	0.26
(1,4540)	1:159:A:ASN:HB3	1:160:A:GLN:HG2	2	0.26	0.06	0.26
(1,19)	1:204:A:LYS:HG2	1:207:A:GLU:HB2	2	0.23	0.0	0.23
(1,3188)	1:204:A:LYS:HG2	1:207:A:GLU:HB2	2	0.23	0.0	0.23
(1,2503)	1:135:A:SER:H	1:135:A:SER:HB3	2	0.22	0.1	0.22
(1,5672)	1:135:A:SER:H	1:135:A:SER:HB3	2	0.22	0.1	0.22
(1,1585)	1:130:A:LEU:HD11	1:160:A:GLN:HA	2	0.21	0.1	0.21
(1,1585)	1:130:A:LEU:HD12	1:160:A:GLN:HA	2	0.21	0.1	0.21
(1,1585)	1:130:A:LEU:HD13	1:160:A:GLN:HA	2	0.21	0.1	0.21
(1,4754)	1:130:A:LEU:HD11	1:160:A:GLN:HA	2	0.21	0.1	0.21
(1,4754)	1:130:A:LEU:HD12	1:160:A:GLN:HA	2	0.21	0.1	0.21
(1,4754)	1:130:A:LEU:HD13	1:160:A:GLN:HA	2	0.21	0.1	0.21
(1,31)	1:181:A:ASN:HD21	1:185:A:LYS:HG3	2	0.2	0.04	0.2
(1,2348)	1:203:A:VAL:HG21	1:207:A:GLU:H	2	0.2	0.02	0.2
(1,2348)	1:203:A:VAL:HG22	1:207:A:GLU:H	2	0.2	0.02	0.2
(1,2348)	1:203:A:VAL:HG23	1:207:A:GLU:H	2	0.2	0.02	0.2
(1,3200)	1:181:A:ASN:HD21	1:185:A:LYS:HG3	2	0.2	0.04	0.2
(1,5517)	1:203:A:VAL:HG21	1:207:A:GLU:H	2	0.2	0.02	0.2
(1,5517)	1:203:A:VAL:HG22	1:207:A:GLU:H	2	0.2	0.02	0.2
(1,5517)	1:203:A:VAL:HG23	1:207:A:GLU:H	2	0.2	0.02	0.2
(1,1254)	1:157:A:TYR:HB2	1:210:A:VAL:HG21	2	0.19	0.09	0.19
(1,1254)	1:157:A:TYR:HB2	1:210:A:VAL:HG22	2	0.19	0.09	0.19
(1,1254)	1:157:A:TYR:HB2	1:210:A:VAL:HG23	2	0.19	0.09	0.19
(1,1254)	1:157:A:TYR:HB3	1:210:A:VAL:HG21	2	0.19	0.09	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1254)	1:157:A:TYR:HB3	1:210:A:VAL:HG22	2	0.19	0.09	0.19
(1,1254)	1:157:A:TYR:HB3	1:210:A:VAL:HG23	2	0.19	0.09	0.19
(1,4423)	1:157:A:TYR:HB2	1:210:A:VAL:HG21	2	0.19	0.09	0.19
(1,4423)	1:157:A:TYR:HB2	1:210:A:VAL:HG22	2	0.19	0.09	0.19
(1,4423)	1:157:A:TYR:HB2	1:210:A:VAL:HG23	2	0.19	0.09	0.19
(1,4423)	1:157:A:TYR:HB3	1:210:A:VAL:HG21	2	0.19	0.09	0.19
(1,4423)	1:157:A:TYR:HB3	1:210:A:VAL:HG22	2	0.19	0.09	0.19
(1,4423)	1:157:A:TYR:HB3	1:210:A:VAL:HG23	2	0.19	0.09	0.19
(1,2761)	1:145:A:TRP:HE1	1:146:A:GLU:HG2	2	0.18	0.04	0.18
(1,5930)	1:145:A:TRP:HE1	1:146:A:GLU:HG2	2	0.18	0.04	0.18
(1,122)	1:125:A:LEU:HD21	1:186:A:GLN:HB3	2	0.17	0.06	0.17
(1,122)	1:125:A:LEU:HD22	1:186:A:GLN:HB3	2	0.17	0.06	0.17
(1,122)	1:125:A:LEU:HD23	1:186:A:GLN:HB3	2	0.17	0.06	0.17
(1,1659)	1:139:A:ILE:HB	1:208:A:ARG:HB2	2	0.17	0.03	0.17
(1,3291)	1:125:A:LEU:HD21	1:186:A:GLN:HB3	2	0.17	0.06	0.17
(1,3291)	1:125:A:LEU:HD22	1:186:A:GLN:HB3	2	0.17	0.06	0.17
(1,3291)	1:125:A:LEU:HD23	1:186:A:GLN:HB3	2	0.17	0.06	0.17
(1,4828)	1:139:A:ILE:HB	1:208:A:ARG:HB2	2	0.17	0.03	0.17
(1,1685)	1:220:A:LYS:HG2	1:220:A:LYS:HD2	2	0.16	0.02	0.16
(1,1685)	1:220:A:LYS:HG2	1:220:A:LYS:HD3	2	0.16	0.02	0.16
(1,4854)	1:220:A:LYS:HG2	1:220:A:LYS:HD2	2	0.16	0.02	0.16
(1,4854)	1:220:A:LYS:HG2	1:220:A:LYS:HD3	2	0.16	0.02	0.16
(1,3025)	1:145:A:TRP:HE3	1:146:A:GLU:HG2	2	0.16	0.03	0.16
(1,6194)	1:145:A:TRP:HE3	1:146:A:GLU:HG2	2	0.16	0.03	0.16
(1,429)	1:136:A:ARG:HD3	1:154:A:MET:HG3	2	0.16	0.05	0.16
(1,2409)	1:220:A:LYS:HB3	1:221:A:GLU:H	2	0.16	0.05	0.16
(1,3598)	1:136:A:ARG:HD3	1:154:A:MET:HG3	2	0.16	0.05	0.16
(1,5578)	1:220:A:LYS:HB3	1:221:A:GLU:H	2	0.16	0.05	0.16
(1,2593)	1:159:A:ASN:HB3	1:160:A:GLN:H	2	0.13	0.01	0.13
(1,5762)	1:159:A:ASN:HB3	1:160:A:GLN:H	2	0.13	0.01	0.13
(1,1040)	1:206:A:MET:HA	1:209:A:VAL:HB	2	0.12	0.01	0.12
(1,1468)	1:150:A:TYR:HD1	1:209:A:VAL:HB	2	0.12	0.01	0.12
(1,1468)	1:150:A:TYR:HD2	1:209:A:VAL:HB	2	0.12	0.01	0.12
(1,2233)	1:166:A:VAL:HG11	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,2233)	1:166:A:VAL:HG12	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,2233)	1:166:A:VAL:HG13	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,2233)	1:166:A:VAL:HG21	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,2233)	1:166:A:VAL:HG22	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,2233)	1:166:A:VAL:HG23	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,4209)	1:206:A:MET:HA	1:209:A:VAL:HB	2	0.12	0.01	0.12
(1,4637)	1:150:A:TYR:HD1	1:209:A:VAL:HB	2	0.12	0.01	0.12
(1,4637)	1:150:A:TYR:HD2	1:209:A:VAL:HB	2	0.12	0.01	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5402)	1:166:A:VAL:HG11	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,5402)	1:166:A:VAL:HG12	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,5402)	1:166:A:VAL:HG13	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,5402)	1:166:A:VAL:HG21	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,5402)	1:166:A:VAL:HG22	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,5402)	1:166:A:VAL:HG23	1:226:A:TYR:H	2	0.12	0.01	0.12
(1,15)	1:130:A:LEU:HD21	1:133:A:ALA:HB1	2	0.12	0.0	0.12
(1,15)	1:130:A:LEU:HD21	1:133:A:ALA:HB2	2	0.12	0.0	0.12
(1,15)	1:130:A:LEU:HD21	1:133:A:ALA:HB3	2	0.12	0.0	0.12
(1,15)	1:130:A:LEU:HD22	1:133:A:ALA:HB1	2	0.12	0.0	0.12
(1,15)	1:130:A:LEU:HD22	1:133:A:ALA:HB2	2	0.12	0.0	0.12
(1,15)	1:130:A:LEU:HD22	1:133:A:ALA:HB3	2	0.12	0.0	0.12
(1,15)	1:130:A:LEU:HD23	1:133:A:ALA:HB1	2	0.12	0.0	0.12
(1,15)	1:130:A:LEU:HD23	1:133:A:ALA:HB2	2	0.12	0.0	0.12
(1,15)	1:130:A:LEU:HD23	1:133:A:ALA:HB3	2	0.12	0.0	0.12
(1,3184)	1:130:A:LEU:HD21	1:133:A:ALA:HB1	2	0.12	0.0	0.12
(1,3184)	1:130:A:LEU:HD21	1:133:A:ALA:HB2	2	0.12	0.0	0.12
(1,3184)	1:130:A:LEU:HD21	1:133:A:ALA:HB3	2	0.12	0.0	0.12
(1,3184)	1:130:A:LEU:HD22	1:133:A:ALA:HB1	2	0.12	0.0	0.12
(1,3184)	1:130:A:LEU:HD22	1:133:A:ALA:HB2	2	0.12	0.0	0.12
(1,3184)	1:130:A:LEU:HD22	1:133:A:ALA:HB3	2	0.12	0.0	0.12
(1,3184)	1:130:A:LEU:HD23	1:133:A:ALA:HB1	2	0.12	0.0	0.12
(1,3184)	1:130:A:LEU:HD23	1:133:A:ALA:HB2	2	0.12	0.0	0.12
(1,3184)	1:130:A:LEU:HD23	1:133:A:ALA:HB3	2	0.12	0.0	0.12
(1,1376)	1:223:A:GLN:HG3	1:224:A:ALA:HB1	2	0.11	0.01	0.11
(1,1376)	1:223:A:GLN:HG3	1:224:A:ALA:HB2	2	0.11	0.01	0.11
(1,1376)	1:223:A:GLN:HG3	1:224:A:ALA:HB3	2	0.11	0.01	0.11
(1,1633)	1:196:A:GLU:HB2	1:197:A:ASN:HB3	2	0.11	0.01	0.11
(1,1633)	1:196:A:GLU:HB3	1:197:A:ASN:HB3	2	0.11	0.01	0.11
(1,2782)	1:166:A:VAL:H	1:169:A:TYR:HD1	2	0.11	0.0	0.11
(1,2782)	1:166:A:VAL:H	1:169:A:TYR:HD2	2	0.11	0.0	0.11
(1,2898)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	2	0.11	0.0	0.11
(1,2898)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	2	0.11	0.0	0.11
(1,2898)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	2	0.11	0.0	0.11
(1,2898)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	2	0.11	0.0	0.11
(1,2898)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	2	0.11	0.0	0.11
(1,2898)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	2	0.11	0.0	0.11
(1,4545)	1:223:A:GLN:HG3	1:224:A:ALA:HB1	2	0.11	0.01	0.11
(1,4545)	1:223:A:GLN:HG3	1:224:A:ALA:HB2	2	0.11	0.01	0.11
(1,4545)	1:223:A:GLN:HG3	1:224:A:ALA:HB3	2	0.11	0.01	0.11
(1,4802)	1:196:A:GLU:HB2	1:197:A:ASN:HB3	2	0.11	0.01	0.11
(1,4802)	1:196:A:GLU:HB3	1:197:A:ASN:HB3	2	0.11	0.01	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5951)	1:166:A:VAL:H	1:169:A:TYR:HD1	2	0.11	0.0	0.11
(1,5951)	1:166:A:VAL:H	1:169:A:TYR:HD2	2	0.11	0.0	0.11
(1,6067)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	2	0.11	0.0	0.11
(1,6067)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	2	0.11	0.0	0.11
(1,6067)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	2	0.11	0.0	0.11
(1,6067)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	2	0.11	0.0	0.11
(1,6067)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	2	0.11	0.0	0.11
(1,6067)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	2	0.11	0.0	0.11
(1,822)	1:136:A:ARG:HA	1:213:A:MET:HE1	2	0.11	0.0	0.11
(1,822)	1:136:A:ARG:HA	1:213:A:MET:HE2	2	0.11	0.0	0.11
(1,822)	1:136:A:ARG:HA	1:213:A:MET:HE3	2	0.11	0.0	0.11
(1,1106)	1:150:A:TYR:HE1	1:154:A:MET:HA	2	0.11	0.0	0.11
(1,1106)	1:150:A:TYR:HE2	1:154:A:MET:HA	2	0.11	0.0	0.11
(1,1140)	1:183:A:THR:HA	1:184:A:ILE:HD11	2	0.11	0.0	0.11
(1,1140)	1:183:A:THR:HA	1:184:A:ILE:HD12	2	0.11	0.0	0.11
(1,1140)	1:183:A:THR:HA	1:184:A:ILE:HD13	2	0.11	0.0	0.11
(1,3010)	1:145:A:TRP:HH2	1:201:A:THR:HG21	2	0.11	0.0	0.11
(1,3010)	1:145:A:TRP:HH2	1:201:A:THR:HG22	2	0.11	0.0	0.11
(1,3010)	1:145:A:TRP:HH2	1:201:A:THR:HG23	2	0.11	0.0	0.11
(1,3084)	1:162:A:TYR:HE1	1:186:A:GLN:HE21	2	0.11	0.0	0.11
(1,3084)	1:162:A:TYR:HE2	1:186:A:GLN:HE21	2	0.11	0.0	0.11
(1,3090)	1:125:A:LEU:HD11	1:162:A:TYR:HE1	2	0.11	0.0	0.11
(1,3090)	1:125:A:LEU:HD11	1:162:A:TYR:HE2	2	0.11	0.0	0.11
(1,3090)	1:125:A:LEU:HD12	1:162:A:TYR:HE1	2	0.11	0.0	0.11
(1,3090)	1:125:A:LEU:HD12	1:162:A:TYR:HE2	2	0.11	0.0	0.11
(1,3090)	1:125:A:LEU:HD13	1:162:A:TYR:HE1	2	0.11	0.0	0.11
(1,3090)	1:125:A:LEU:HD13	1:162:A:TYR:HE2	2	0.11	0.0	0.11
(1,3991)	1:136:A:ARG:HA	1:213:A:MET:HE1	2	0.11	0.0	0.11
(1,3991)	1:136:A:ARG:HA	1:213:A:MET:HE2	2	0.11	0.0	0.11
(1,3991)	1:136:A:ARG:HA	1:213:A:MET:HE3	2	0.11	0.0	0.11
(1,4275)	1:150:A:TYR:HE1	1:154:A:MET:HA	2	0.11	0.0	0.11
(1,4275)	1:150:A:TYR:HE2	1:154:A:MET:HA	2	0.11	0.0	0.11
(1,4309)	1:183:A:THR:HA	1:184:A:ILE:HD11	2	0.11	0.0	0.11
(1,4309)	1:183:A:THR:HA	1:184:A:ILE:HD12	2	0.11	0.0	0.11
(1,4309)	1:183:A:THR:HA	1:184:A:ILE:HD13	2	0.11	0.0	0.11
(1,6179)	1:145:A:TRP:HH2	1:201:A:THR:HG21	2	0.11	0.0	0.11
(1,6179)	1:145:A:TRP:HH2	1:201:A:THR:HG22	2	0.11	0.0	0.11
(1,6179)	1:145:A:TRP:HH2	1:201:A:THR:HG23	2	0.11	0.0	0.11
(1,6253)	1:162:A:TYR:HE1	1:186:A:GLN:HE21	2	0.11	0.0	0.11
(1,6253)	1:162:A:TYR:HE2	1:186:A:GLN:HE21	2	0.11	0.0	0.11
(1,6259)	1:125:A:LEU:HD11	1:162:A:TYR:HE1	2	0.11	0.0	0.11
(1,6259)	1:125:A:LEU:HD11	1:162:A:TYR:HE2	2	0.11	0.0	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,6259)	1:125:A:LEU:HD12	1:162:A:TYR:HE1	2	0.11	0.0	0.11
(1,6259)	1:125:A:LEU:HD12	1:162:A:TYR:HE2	2	0.11	0.0	0.11
(1,6259)	1:125:A:LEU:HD13	1:162:A:TYR:HE1	2	0.11	0.0	0.11
(1,6259)	1:125:A:LEU:HD13	1:162:A:TYR:HE2	2	0.11	0.0	0.11
(1,860)	1:137:A:PRO:HA	1:138:A:MET:HE1	2	0.1	0.0	0.1
(1,860)	1:137:A:PRO:HA	1:138:A:MET:HE2	2	0.1	0.0	0.1
(1,860)	1:137:A:PRO:HA	1:138:A:MET:HE3	2	0.1	0.0	0.1
(1,1338)	1:161:A:VAL:HB	1:183:A:THR:HG1	2	0.1	0.0	0.1
(1,1829)	1:137:A:PRO:HG2	1:209:A:VAL:HG21	2	0.1	0.0	0.1
(1,1829)	1:137:A:PRO:HG2	1:209:A:VAL:HG22	2	0.1	0.0	0.1
(1,1829)	1:137:A:PRO:HG2	1:209:A:VAL:HG23	2	0.1	0.0	0.1
(1,1829)	1:137:A:PRO:HG3	1:209:A:VAL:HG21	2	0.1	0.0	0.1
(1,1829)	1:137:A:PRO:HG3	1:209:A:VAL:HG22	2	0.1	0.0	0.1
(1,1829)	1:137:A:PRO:HG3	1:209:A:VAL:HG23	2	0.1	0.0	0.1
(1,2822)	1:149:A:TYR:HD1	1:201:A:THR:HG21	2	0.1	0.0	0.1
(1,2822)	1:149:A:TYR:HD1	1:201:A:THR:HG22	2	0.1	0.0	0.1
(1,2822)	1:149:A:TYR:HD1	1:201:A:THR:HG23	2	0.1	0.0	0.1
(1,2822)	1:149:A:TYR:HD2	1:201:A:THR:HG21	2	0.1	0.0	0.1
(1,2822)	1:149:A:TYR:HD2	1:201:A:THR:HG22	2	0.1	0.0	0.1
(1,2822)	1:149:A:TYR:HD2	1:201:A:THR:HG23	2	0.1	0.0	0.1
(1,2827)	1:223:A:GLN:H	1:226:A:TYR:HD1	2	0.1	0.0	0.1
(1,2827)	1:223:A:GLN:H	1:226:A:TYR:HD2	2	0.1	0.0	0.1
(1,2962)	1:141:A:PHE:HE1	1:150:A:TYR:HA	2	0.1	0.0	0.1
(1,2962)	1:141:A:PHE:HE2	1:150:A:TYR:HA	2	0.1	0.0	0.1
(1,3040)	1:164:A:ARG:HG2	1:169:A:TYR:HE1	2	0.1	0.0	0.1
(1,3040)	1:164:A:ARG:HG2	1:169:A:TYR:HE2	2	0.1	0.0	0.1
(1,3051)	1:168:A:GLN:HG2	1:169:A:TYR:HE1	2	0.1	0.0	0.1
(1,3051)	1:168:A:GLN:HG2	1:169:A:TYR:HE2	2	0.1	0.0	0.1
(1,3051)	1:168:A:GLN:HG3	1:169:A:TYR:HE1	2	0.1	0.0	0.1
(1,3051)	1:168:A:GLN:HG3	1:169:A:TYR:HE2	2	0.1	0.0	0.1
(1,3132)	1:132:A:SER:H	1:163:A:TYR:HE1	2	0.1	0.0	0.1
(1,3132)	1:132:A:SER:H	1:163:A:TYR:HE2	2	0.1	0.0	0.1
(1,4029)	1:137:A:PRO:HA	1:138:A:MET:HE1	2	0.1	0.0	0.1
(1,4029)	1:137:A:PRO:HA	1:138:A:MET:HE2	2	0.1	0.0	0.1
(1,4029)	1:137:A:PRO:HA	1:138:A:MET:HE3	2	0.1	0.0	0.1
(1,4507)	1:161:A:VAL:HB	1:183:A:THR:HG1	2	0.1	0.0	0.1
(1,4998)	1:137:A:PRO:HG2	1:209:A:VAL:HG21	2	0.1	0.0	0.1
(1,4998)	1:137:A:PRO:HG2	1:209:A:VAL:HG22	2	0.1	0.0	0.1
(1,4998)	1:137:A:PRO:HG2	1:209:A:VAL:HG23	2	0.1	0.0	0.1
(1,4998)	1:137:A:PRO:HG3	1:209:A:VAL:HG21	2	0.1	0.0	0.1
(1,4998)	1:137:A:PRO:HG3	1:209:A:VAL:HG22	2	0.1	0.0	0.1
(1,4998)	1:137:A:PRO:HG3	1:209:A:VAL:HG23	2	0.1	0.0	0.1

Continued on next page...

Continued from previous page...

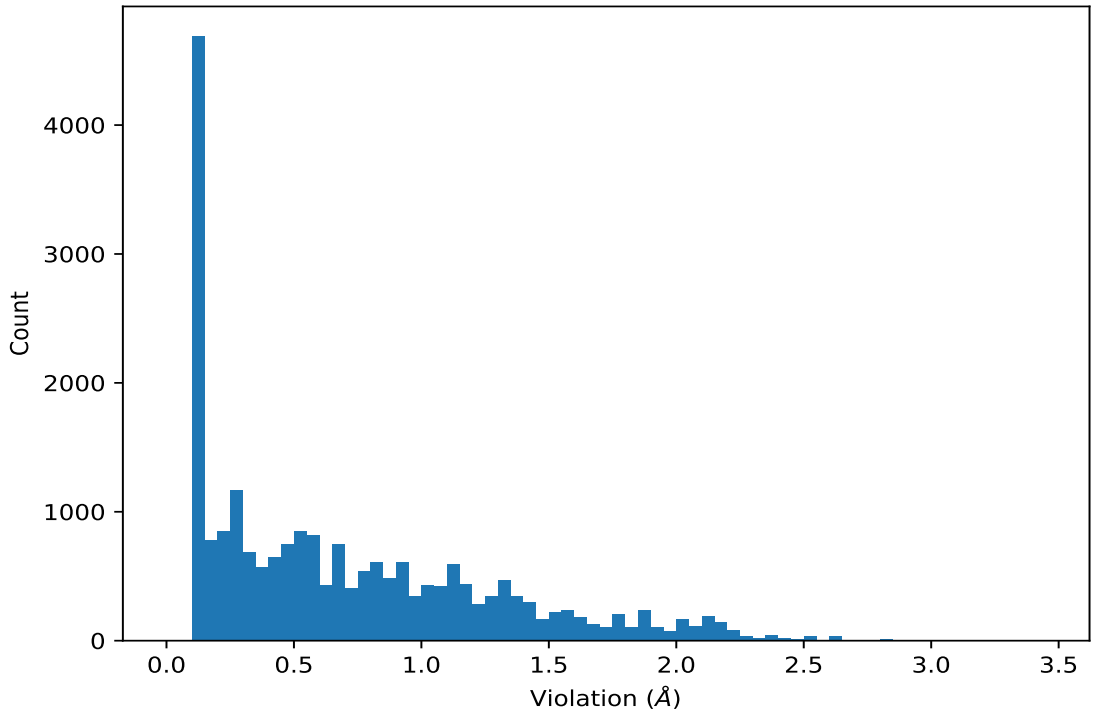
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,5991)	1:149:A:TYR:HD1	1:201:A:THR:HG21	2	0.1	0.0	0.1
(1,5991)	1:149:A:TYR:HD1	1:201:A:THR:HG22	2	0.1	0.0	0.1
(1,5991)	1:149:A:TYR:HD1	1:201:A:THR:HG23	2	0.1	0.0	0.1
(1,5991)	1:149:A:TYR:HD2	1:201:A:THR:HG21	2	0.1	0.0	0.1
(1,5991)	1:149:A:TYR:HD2	1:201:A:THR:HG22	2	0.1	0.0	0.1
(1,5991)	1:149:A:TYR:HD2	1:201:A:THR:HG23	2	0.1	0.0	0.1
(1,5996)	1:223:A:GLN:H	1:226:A:TYR:HD1	2	0.1	0.0	0.1
(1,5996)	1:223:A:GLN:H	1:226:A:TYR:HD2	2	0.1	0.0	0.1
(1,6131)	1:141:A:PHE:HE1	1:150:A:TYR:HA	2	0.1	0.0	0.1
(1,6131)	1:141:A:PHE:HE2	1:150:A:TYR:HA	2	0.1	0.0	0.1
(1,6209)	1:164:A:ARG:HG2	1:169:A:TYR:HE1	2	0.1	0.0	0.1
(1,6209)	1:164:A:ARG:HG2	1:169:A:TYR:HE2	2	0.1	0.0	0.1
(1,6220)	1:168:A:GLN:HG2	1:169:A:TYR:HE1	2	0.1	0.0	0.1
(1,6220)	1:168:A:GLN:HG2	1:169:A:TYR:HE2	2	0.1	0.0	0.1
(1,6220)	1:168:A:GLN:HG3	1:169:A:TYR:HE1	2	0.1	0.0	0.1
(1,6220)	1:168:A:GLN:HG3	1:169:A:TYR:HE2	2	0.1	0.0	0.1
(1,6301)	1:132:A:SER:H	1:163:A:TYR:HE1	2	0.1	0.0	0.1
(1,6301)	1:132:A:SER:H	1:163:A:TYR:HE2	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	15	3.41
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	15	3.41
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	11	3.25
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	11	3.25
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	8	3.22
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	8	3.22
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	17	3.04
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	17	3.04
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	5	2.83
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	5	2.83
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	5	2.83
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	6	2.83
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	6	2.83
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	6	2.83
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	5	2.83
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	5	2.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	5	2.83
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	6	2.83
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	6	2.83
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	6	2.83
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	8	2.67
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	8	2.67
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	8	2.67
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	8	2.67
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	8	2.67
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	8	2.67
(1,6310)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	15	2.65
(1,6310)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	15	2.65
(1,6310)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	15	2.65
(1,6310)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	15	2.65
(1,6310)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	15	2.65
(1,6310)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	15	2.65
(1,3141)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	15	2.65
(1,3141)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	15	2.65
(1,3141)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	15	2.65
(1,3141)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	15	2.65
(1,3141)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	15	2.65
(1,3141)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	15	2.65
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	11	2.64
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	11	2.64
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	11	2.64
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	19	2.64
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	19	2.64
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	19	2.64
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	11	2.64
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	11	2.64
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	11	2.64
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	19	2.64
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	19	2.64
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	19	2.64
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	9	2.62
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	9	2.62
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	9	2.62
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	9	2.62
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	9	2.62
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	9	2.62
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	13	2.6
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	13	2.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	13	2.6
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	13	2.6
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	13	2.6
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	13	2.6
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	20	2.58
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	20	2.58
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	20	2.58
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	20	2.58
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	20	2.58
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	20	2.58
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	3	2.55
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	3	2.55
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	3	2.55
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	14	2.55
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	14	2.55
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	14	2.55
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	3	2.55
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	3	2.55
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	3	2.55
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	14	2.55
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	14	2.55
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	14	2.55
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	19	2.54
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	19	2.54
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	19	2.54
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	19	2.54
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	19	2.54
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	19	2.54
(1,5772)	1:161:A:VAL:HG21	1:217:A:GLN:HE22	15	2.51
(1,5772)	1:161:A:VAL:HG22	1:217:A:GLN:HE22	15	2.51
(1,5772)	1:161:A:VAL:HG23	1:217:A:GLN:HE22	15	2.51
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	14	2.51
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	14	2.51
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	14	2.51
(1,2603)	1:161:A:VAL:HG21	1:217:A:GLN:HE22	15	2.51
(1,2603)	1:161:A:VAL:HG22	1:217:A:GLN:HE22	15	2.51
(1,2603)	1:161:A:VAL:HG23	1:217:A:GLN:HE22	15	2.51
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	14	2.51
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	14	2.51
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	14	2.51
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	6	2.5
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	6	2.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	6	2.5
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	6	2.5
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	6	2.5
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	6	2.5
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	16	2.45
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	16	2.45
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	16	2.45
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	12	2.45
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	12	2.45
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	12	2.45
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	16	2.45
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	16	2.45
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	16	2.45
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	12	2.45
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	12	2.45
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	12	2.45
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	18	2.44
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	18	2.44
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	18	2.44
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	18	2.44
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	18	2.44
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	18	2.44
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	3	2.43
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	3	2.43
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	3	2.43
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	3	2.43
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	3	2.43
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	3	2.43
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	10	2.41
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	10	2.41
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	10	2.41
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	10	2.41
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	10	2.41
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	10	2.41
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	15	2.4
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	15	2.4
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	9	2.39
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	9	2.39
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	9	2.39
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	14	2.39
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	14	2.39
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	14	2.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	18	2.39
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	18	2.39
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	18	2.39
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	9	2.39
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	9	2.39
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	9	2.39
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	14	2.39
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	14	2.39
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	14	2.39
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	18	2.39
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	18	2.39
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	18	2.39
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	18	2.38
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	18	2.38
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	18	2.38
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	18	2.38
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	18	2.38
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	18	2.38
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	15	2.36
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	15	2.36
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	15	2.36
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	2	2.36
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	2	2.36
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	2	2.36
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	15	2.36
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	15	2.36
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	15	2.36
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	2	2.36
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	2	2.36
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	2	2.36
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	10	2.35
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	10	2.35
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	10	2.35
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	10	2.35
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	10	2.35
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	10	2.35
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	10	2.35
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	10	2.35
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	5	2.34
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	5	2.34
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	5	2.34
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	10	2.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	10	2.34
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	10	2.34
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	5	2.34
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	5	2.34
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	5	2.34
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	10	2.34
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	10	2.34
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	10	2.34
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	4	2.31
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	4	2.31
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	4	2.31
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	4	2.31
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	4	2.31
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	4	2.31
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	9	2.28
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	9	2.28
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	9	2.28
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	9	2.28
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	9	2.28
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	9	2.28
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	8	2.27
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	8	2.27
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	8	2.27
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	5	2.27
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	5	2.27
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	5	2.27
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	8	2.27
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	8	2.27
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	8	2.27
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	5	2.27
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	5	2.27
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	5	2.27
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	1	2.26
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	1	2.26
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	1	2.26
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	1	2.26
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	1	2.26
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	1	2.26
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	13	2.25
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	13	2.25
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	13	2.25
(1,3637)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	17	2.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3637)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	17	2.25
(1,3637)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	17	2.25
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	13	2.25
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	13	2.25
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	13	2.25
(1,468)	1:122:A:VAL:HG11	1:130:A:LEU:HB2	17	2.25
(1,468)	1:122:A:VAL:HG12	1:130:A:LEU:HB2	17	2.25
(1,468)	1:122:A:VAL:HG13	1:130:A:LEU:HB2	17	2.25
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	15	2.24
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	15	2.24
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	15	2.24
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	1	2.24
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	1	2.24
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	1	2.24
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	16	2.24
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	16	2.24
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	16	2.24
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	15	2.24
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	15	2.24
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	15	2.24
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	1	2.24
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	1	2.24
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	1	2.24
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	16	2.24
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	16	2.24
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	16	2.24
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	9	2.23
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	9	2.23
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	9	2.23
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	9	2.23
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	9	2.23
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	9	2.23
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	9	2.23
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	9	2.23
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	9	2.23
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	9	2.23
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	9	2.23
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	9	2.23
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	9	2.23
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	9	2.23
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	9	2.23
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	9	2.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	9	2.23
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	9	2.23
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	18	2.22
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	18	2.22
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	18	2.22
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	4	2.22
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	4	2.22
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	4	2.22
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	12	2.22
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	12	2.22
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	12	2.22
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	18	2.22
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	18	2.22
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	18	2.22
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	4	2.22
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	4	2.22
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	4	2.22
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	12	2.22
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	12	2.22
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	12	2.22
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	7	2.21
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	7	2.21
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	7	2.21
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	1	2.21
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	1	2.21
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	1	2.21
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	16	2.21
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	16	2.21
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	16	2.21
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	7	2.21
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	7	2.21
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	7	2.21
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	1	2.21
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	1	2.21
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	1	2.21
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	16	2.21
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	16	2.21
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	16	2.21
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	8	2.2
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	8	2.2
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	8	2.2
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	9	2.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	9	2.2
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	9	2.2
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	8	2.2
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	8	2.2
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	8	2.2
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	9	2.2
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	9	2.2
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	9	2.2
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG21	10	2.19
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG22	10	2.19
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG23	10	2.19
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	20	2.19
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	20	2.19
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	20	2.19
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	20	2.19
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	20	2.19
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	20	2.19
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	20	2.19
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	20	2.19
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	20	2.19
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG21	10	2.19
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG22	10	2.19
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG23	10	2.19
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	20	2.19
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	20	2.19
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	20	2.19
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	20	2.19
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	20	2.19
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	20	2.19
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	20	2.19
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	20	2.19
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	20	2.19
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG21	15	2.18
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG22	15	2.18
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG23	15	2.18
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	13	2.18
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	13	2.18
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	13	2.18
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	10	2.18
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	1	2.18
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	1	2.18
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	1	2.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	1	2.18
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	1	2.18
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	1	2.18
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	1	2.18
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	1	2.18
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	1	2.18
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	5	2.18
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	5	2.18
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	5	2.18
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	7	2.18
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	7	2.18
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	7	2.18
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG21	15	2.18
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG22	15	2.18
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG23	15	2.18
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	13	2.18
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	13	2.18
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	13	2.18
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	10	2.18
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	1	2.18
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	1	2.18
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	1	2.18
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	1	2.18
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	1	2.18
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	1	2.18
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	1	2.18
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	1	2.18
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	1	2.18
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	5	2.18
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	5	2.18
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	5	2.18
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	7	2.18
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	7	2.18
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	7	2.18
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	8	2.17
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	8	2.17
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	8	2.17
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	8	2.17
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	8	2.17
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	8	2.17
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	8	2.17
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	8	2.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	8	2.17
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	19	2.17
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	19	2.17
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	19	2.17
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	8	2.17
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	8	2.17
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	8	2.17
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	8	2.17
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	8	2.17
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	8	2.17
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	8	2.17
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	8	2.17
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	8	2.17
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	19	2.17
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	19	2.17
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	19	2.17
(1,6310)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	18	2.16
(1,6310)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	18	2.16
(1,6310)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	18	2.16
(1,6310)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	18	2.16
(1,6310)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	18	2.16
(1,6310)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	18	2.16
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	7	2.16
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	7	2.16
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	7	2.16
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	18	2.16
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	18	2.16
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	18	2.16
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	18	2.16
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	18	2.16
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	18	2.16
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	18	2.16
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	18	2.16
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	18	2.16
(1,3141)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	18	2.16
(1,3141)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	18	2.16
(1,3141)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	18	2.16
(1,3141)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	18	2.16
(1,3141)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	18	2.16
(1,3141)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	18	2.16
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	7	2.16
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	7	2.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	7	2.16
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	18	2.16
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	18	2.16
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	18	2.16
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	18	2.16
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	18	2.16
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	18	2.16
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	18	2.16
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	18	2.16
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	18	2.16
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	2	2.15
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	2	2.15
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	2	2.15
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	13	2.15
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	13	2.15
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	13	2.15
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	5	2.15
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	5	2.15
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	5	2.15
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	2	2.15
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	2	2.15
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	2	2.15
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	13	2.15
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	13	2.15
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	13	2.15
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	5	2.15
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	5	2.15
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	5	2.15
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	3	2.14
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	3	2.14
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	3	2.14
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	1	2.14
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	1	2.14
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	1	2.14
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	17	2.14
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	17	2.14
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	17	2.14
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	3	2.14
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	3	2.14
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	3	2.14
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	1	2.14
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	1	2.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	1	2.14
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	17	2.14
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	17	2.14
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	17	2.14
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	6	2.13
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	6	2.13
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	6	2.13
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	12	2.13
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	12	2.13
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	12	2.13
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	7	2.13
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	7	2.13
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	7	2.13
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	7	2.13
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	7	2.13
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	7	2.13
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	7	2.13
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	7	2.13
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	7	2.13
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	12	2.13
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	12	2.13
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	12	2.13
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	12	2.13
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	12	2.13
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	12	2.13
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	12	2.13
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	12	2.13
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	12	2.13
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	13	2.13
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	13	2.13
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	13	2.13
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	13	2.13
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	13	2.13
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	13	2.13
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	13	2.13
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	13	2.13
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	13	2.13
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	4	2.13
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	4	2.13
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	4	2.13
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	6	2.13
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	6	2.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	6	2.13
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	12	2.13
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	12	2.13
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	12	2.13
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	7	2.13
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	7	2.13
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	7	2.13
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	7	2.13
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	7	2.13
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	7	2.13
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	7	2.13
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	7	2.13
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	7	2.13
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	12	2.13
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	12	2.13
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	12	2.13
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	12	2.13
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	12	2.13
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	12	2.13
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	12	2.13
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	12	2.13
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	12	2.13
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	13	2.13
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	13	2.13
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	13	2.13
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	13	2.13
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	13	2.13
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	13	2.13
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	13	2.13
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	13	2.13
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	13	2.13
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	4	2.13
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	4	2.13
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	4	2.13
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	7	2.12
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	7	2.12
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	1	2.11
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	14	2.11
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	14	2.11
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	14	2.11
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	3	2.11
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	3	2.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	3	2.11
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	3	2.11
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	3	2.11
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	3	2.11
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	3	2.11
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	3	2.11
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	3	2.11
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	19	2.11
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	19	2.11
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	19	2.11
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	19	2.11
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	19	2.11
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	19	2.11
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	19	2.11
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	19	2.11
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	19	2.11
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	3	2.11
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	3	2.11
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	3	2.11
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	12	2.11
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	12	2.11
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	12	2.11
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	14	2.11
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	14	2.11
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	14	2.11
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	20	2.11
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	20	2.11
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	20	2.11
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	1	2.11
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	14	2.11
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	14	2.11
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	14	2.11
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	3	2.11
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	3	2.11
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	3	2.11
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	3	2.11
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	3	2.11
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	3	2.11
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	3	2.11
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	3	2.11
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	3	2.11
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	19	2.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	19	2.11
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	19	2.11
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	19	2.11
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	19	2.11
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	19	2.11
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	19	2.11
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	19	2.11
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	19	2.11
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	3	2.11
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	3	2.11
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	3	2.11
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	12	2.11
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	12	2.11
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	12	2.11
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	14	2.11
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	14	2.11
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	14	2.11
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	20	2.11
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	20	2.11
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	20	2.11
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	3	2.1
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	3	2.1
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	3	2.1
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	14	2.1
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	14	2.1
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	14	2.1
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	14	2.1
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	14	2.1
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	14	2.1
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	14	2.1
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	14	2.1
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	14	2.1
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	15	2.1
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	15	2.1
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	15	2.1
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	3	2.1
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	3	2.1
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	3	2.1
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	14	2.1
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	14	2.1
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	14	2.1
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	14	2.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	14	2.1
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	14	2.1
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	14	2.1
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	14	2.1
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	14	2.1
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	15	2.1
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	15	2.1
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	15	2.1
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	4	2.09
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	4	2.09
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	4	2.09
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	4	2.09
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	4	2.09
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	4	2.09
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	2	2.09
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	12	2.09
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	12	2.09
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	12	2.09
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	6	2.09
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	6	2.09
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	6	2.09
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	4	2.09
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	4	2.09
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	4	2.09
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	4	2.09
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	4	2.09
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	4	2.09
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	2	2.09
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	12	2.09
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	12	2.09
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	12	2.09
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	6	2.09
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	6	2.09
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	6	2.09
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	9	2.08
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	19	2.08
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	20	2.08
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	20	2.08
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	20	2.08
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	9	2.08
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	19	2.08
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	20	2.08

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	20	2.08
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	20	2.08
(1,6310)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	10	2.07
(1,6310)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	10	2.07
(1,6310)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	10	2.07
(1,6310)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	10	2.07
(1,6310)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	10	2.07
(1,6310)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	10	2.07
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	16	2.07
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	6	2.07
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	6	2.07
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	6	2.07
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	10	2.07
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	10	2.07
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	10	2.07
(1,3141)	1:161:A:VAL:HG21	1:163:A:TYR:HE1	10	2.07
(1,3141)	1:161:A:VAL:HG21	1:163:A:TYR:HE2	10	2.07
(1,3141)	1:161:A:VAL:HG22	1:163:A:TYR:HE1	10	2.07
(1,3141)	1:161:A:VAL:HG22	1:163:A:TYR:HE2	10	2.07
(1,3141)	1:161:A:VAL:HG23	1:163:A:TYR:HE1	10	2.07
(1,3141)	1:161:A:VAL:HG23	1:163:A:TYR:HE2	10	2.07
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	16	2.07
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	6	2.07
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	6	2.07
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	6	2.07
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	10	2.07
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	10	2.07
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	10	2.07
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	11	2.06
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	11	2.06
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	11	2.06
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	11	2.06
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	11	2.06
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	11	2.06
(1,5772)	1:161:A:VAL:HG21	1:217:A:GLN:HE22	18	2.06
(1,5772)	1:161:A:VAL:HG22	1:217:A:GLN:HE22	18	2.06
(1,5772)	1:161:A:VAL:HG23	1:217:A:GLN:HE22	18	2.06
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	9	2.06
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	9	2.06
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	9	2.06
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	9	2.06
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	9	2.06

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	9	2.06
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	4	2.06
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	4	2.06
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	4	2.06
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	4	2.06
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	4	2.06
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	4	2.06
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	4	2.06
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	4	2.06
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	4	2.06
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	4	2.06
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	11	2.06
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	11	2.06
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	11	2.06
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	11	2.06
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	11	2.06
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	11	2.06
(1,2603)	1:161:A:VAL:HG21	1:217:A:GLN:HE22	18	2.06
(1,2603)	1:161:A:VAL:HG22	1:217:A:GLN:HE22	18	2.06
(1,2603)	1:161:A:VAL:HG23	1:217:A:GLN:HE22	18	2.06
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	9	2.06
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	9	2.06
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	9	2.06
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	9	2.06
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	9	2.06
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	9	2.06
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	4	2.06
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	4	2.06
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	4	2.06
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	4	2.06
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	4	2.06
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	4	2.06
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	4	2.06
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	4	2.06
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	4	2.06
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	4	2.06
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	7	2.05
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	9	2.05
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	9	2.05
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	9	2.05
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	1	2.05
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	1	2.05

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	1	2.05
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	13	2.05
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	13	2.05
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	13	2.05
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	7	2.05
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	9	2.05
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	9	2.05
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	9	2.05
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	1	2.05
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	1	2.05
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	1	2.05
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	13	2.05
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	13	2.05
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	13	2.05
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	1	2.04
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	1	2.04
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	1	2.04
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	14	2.04
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	14	2.04
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	14	2.04
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	3	2.04
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	5	2.04
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	5	2.04
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	5	2.04
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	5	2.04
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	5	2.04
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	5	2.04
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	5	2.04
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	5	2.04
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	5	2.04
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	10	2.04
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	10	2.04
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	10	2.04
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	10	2.04
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	10	2.04
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	10	2.04
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	10	2.04
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	10	2.04
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	10	2.04
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	16	2.04
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	16	2.04
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	16	2.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	16	2.04
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	16	2.04
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	16	2.04
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	16	2.04
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	16	2.04
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	16	2.04
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	11	2.04
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	11	2.04
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	11	2.04
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	14	2.04
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	14	2.04
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	14	2.04
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	19	2.04
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	19	2.04
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	19	2.04
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	1	2.04
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	1	2.04
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	1	2.04
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	14	2.04
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	14	2.04
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	14	2.04
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	3	2.04
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	5	2.04
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	5	2.04
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	5	2.04
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	5	2.04
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	5	2.04
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	5	2.04
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	5	2.04
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	5	2.04
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	5	2.04
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	10	2.04
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	10	2.04
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	10	2.04
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	10	2.04
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	10	2.04
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	10	2.04
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	10	2.04
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	10	2.04
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	10	2.04
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	16	2.04
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	16	2.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	16	2.04
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	16	2.04
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	16	2.04
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	16	2.04
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	16	2.04
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	16	2.04
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	16	2.04
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	11	2.04
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	11	2.04
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	11	2.04
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	14	2.04
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	14	2.04
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	14	2.04
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	19	2.04
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	19	2.04
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	19	2.04
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	13	2.03
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	10	2.03
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	10	2.03
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	10	2.03
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	11	2.03
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	11	2.03
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	11	2.03
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	13	2.03
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	10	2.03
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	10	2.03
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	10	2.03
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	11	2.03
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	11	2.03
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	11	2.03
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	14	2.02
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	14	2.02
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	14	2.02
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	14	2.02
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	14	2.02
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	14	2.02
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	11	2.02
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	12	2.02
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	14	2.02
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	14	2.02
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	14	2.02
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	14	2.02

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	14	2.02
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	14	2.02
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	11	2.02
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	12	2.02
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	1	2.01
(1,3804)	1:161:A:VAL:HG21	1:217:A:GLN:HA	18	2.01
(1,3804)	1:161:A:VAL:HG22	1:217:A:GLN:HA	18	2.01
(1,3804)	1:161:A:VAL:HG23	1:217:A:GLN:HA	18	2.01
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	6	2.01
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	6	2.01
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	6	2.01
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	6	2.01
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	6	2.01
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	6	2.01
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	6	2.01
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	6	2.01
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	6	2.01
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	1	2.01
(1,635)	1:161:A:VAL:HG21	1:217:A:GLN:HA	18	2.01
(1,635)	1:161:A:VAL:HG22	1:217:A:GLN:HA	18	2.01
(1,635)	1:161:A:VAL:HG23	1:217:A:GLN:HA	18	2.01
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	6	2.01
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	6	2.01
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	6	2.01
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	6	2.01
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	6	2.01
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	6	2.01
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	6	2.01
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	6	2.01
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	6	2.01
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	20	2.0
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	20	2.0
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	20	2.0
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	20	2.0
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	20	2.0
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	20	2.0
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	6	1.99
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	14	1.99
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	14	1.99
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	14	1.99
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	6	1.99
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	14	1.99

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	14	1.99
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	14	1.99
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	3	1.98
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	3	1.98
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	3	1.98
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	6	1.98
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	6	1.98
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	6	1.98
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	6	1.98
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	1	1.98
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	1	1.98
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	1	1.98
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	9	1.98
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	19	1.98
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	17	1.98
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	17	1.98
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	17	1.98
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	17	1.98
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	17	1.98
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	17	1.98
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	17	1.98
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	17	1.98
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	17	1.98
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	3	1.98
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	3	1.98
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	3	1.98
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	6	1.98
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	6	1.98
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	6	1.98
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	6	1.98
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	1	1.98
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	1	1.98
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	1	1.98
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	9	1.98
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	19	1.98
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	17	1.98
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	17	1.98
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	17	1.98
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	17	1.98
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	17	1.98
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	17	1.98
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	17	1.98

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	17	1.98
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	17	1.98
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	14	1.97
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	14	1.97
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	14	1.97
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	3	1.97
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	3	1.97
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	3	1.97
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	9	1.97
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	9	1.97
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	9	1.97
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	18	1.97
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	18	1.97
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	18	1.97
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	14	1.97
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	14	1.97
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	14	1.97
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	3	1.97
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	3	1.97
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	3	1.97
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	9	1.97
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	9	1.97
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	9	1.97
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	18	1.97
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	18	1.97
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	18	1.97
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	3	1.96
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	3	1.96
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG21	16	1.95
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG22	16	1.95
(1,3919)	1:158:A:PRO:HA	1:210:A:VAL:HG23	16	1.95
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	19	1.95
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	19	1.95
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	19	1.95
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	19	1.95
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	19	1.95
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	19	1.95
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG21	16	1.95
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG22	16	1.95
(1,750)	1:158:A:PRO:HA	1:210:A:VAL:HG23	16	1.95
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	19	1.95
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	19	1.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	19	1.95
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	19	1.95
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	19	1.95
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	19	1.95
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	9	1.94
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	9	1.94
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	9	1.94
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	9	1.94
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	9	1.94
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	9	1.94
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG21	18	1.94
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG22	18	1.94
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG23	18	1.94
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	9	1.94
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	9	1.94
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	9	1.94
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	9	1.94
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	9	1.94
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	9	1.94
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG21	18	1.94
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG22	18	1.94
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG23	18	1.94
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	1	1.93
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	1	1.93
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	1	1.93
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	1	1.93
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	1	1.93
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	1	1.93
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	3	1.93
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	3	1.93
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	3	1.93
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	3	1.93
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	3	1.93
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	3	1.93
(1,3804)	1:161:A:VAL:HG21	1:217:A:GLN:HA	15	1.93
(1,3804)	1:161:A:VAL:HG22	1:217:A:GLN:HA	15	1.93
(1,3804)	1:161:A:VAL:HG23	1:217:A:GLN:HA	15	1.93
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	1	1.93
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	1	1.93
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	1	1.93
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	1	1.93
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	1	1.93

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	1	1.93
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	3	1.93
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	3	1.93
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	3	1.93
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	3	1.93
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	3	1.93
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	3	1.93
(1,635)	1:161:A:VAL:HG21	1:217:A:GLN:HA	15	1.93
(1,635)	1:161:A:VAL:HG22	1:217:A:GLN:HA	15	1.93
(1,635)	1:161:A:VAL:HG23	1:217:A:GLN:HA	15	1.93
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	11	1.92
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	11	1.92
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	19	1.91
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	19	1.91
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	19	1.91
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	19	1.91
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	19	1.91
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	19	1.91
(1,5772)	1:161:A:VAL:HG21	1:217:A:GLN:HE22	10	1.91
(1,5772)	1:161:A:VAL:HG22	1:217:A:GLN:HE22	10	1.91
(1,5772)	1:161:A:VAL:HG23	1:217:A:GLN:HE22	10	1.91
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	16	1.91
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	16	1.91
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	16	1.91
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	18	1.91
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	18	1.91
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	18	1.91
(1,3191)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	2	1.91
(1,3191)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	2	1.91
(1,3191)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	2	1.91
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	19	1.91
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	19	1.91
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	19	1.91
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	19	1.91
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	19	1.91
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	19	1.91
(1,2603)	1:161:A:VAL:HG21	1:217:A:GLN:HE22	10	1.91
(1,2603)	1:161:A:VAL:HG22	1:217:A:GLN:HE22	10	1.91
(1,2603)	1:161:A:VAL:HG23	1:217:A:GLN:HE22	10	1.91
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	16	1.91
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	16	1.91
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	16	1.91

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	18	1.91
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	18	1.91
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	18	1.91
(1,22)	1:203:A:VAL:HG21	1:204:A:LYS:HG2	2	1.91
(1,22)	1:203:A:VAL:HG22	1:204:A:LYS:HG2	2	1.91
(1,22)	1:203:A:VAL:HG23	1:204:A:LYS:HG2	2	1.91
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	5	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	5	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	5	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	5	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	5	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	5	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	12	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	12	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	12	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	12	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	12	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	12	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	15	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	15	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	15	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	15	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	15	1.9
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	15	1.9
(1,5775)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	15	1.9
(1,5775)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	15	1.9
(1,5775)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	15	1.9
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	20	1.9
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	9	1.9
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	9	1.9
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	9	1.9
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	5	1.9
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	5	1.9
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	5	1.9
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	15	1.9
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	15	1.9
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	15	1.9
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	15	1.9
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	15	1.9
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	15	1.9
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	15	1.9
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	15	1.9

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	15	1.9
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	5	1.9
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	5	1.9
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	5	1.9
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	5	1.9
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	5	1.9
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	5	1.9
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	9	1.9
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	9	1.9
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	9	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	5	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	5	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	5	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	5	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	5	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	5	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	12	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	12	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	12	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	12	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	12	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	12	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	15	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	15	1.9
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	15	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	15	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	15	1.9
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	15	1.9
(1,2606)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	15	1.9
(1,2606)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	15	1.9
(1,2606)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	15	1.9
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	20	1.9
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	9	1.9
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	9	1.9
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	9	1.9
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	5	1.9
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	5	1.9
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	5	1.9
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	15	1.9
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	15	1.9
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	15	1.9
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	15	1.9

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	15	1.9
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	15	1.9
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	15	1.9
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	15	1.9
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	15	1.9
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	5	1.9
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	5	1.9
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	5	1.9
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	5	1.9
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	5	1.9
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	5	1.9
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	9	1.9
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	9	1.9
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	9	1.9
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	2	1.89
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	2	1.89
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	2	1.89
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	2	1.89
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	2	1.89
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	2	1.89
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	6	1.89
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	2	1.89
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	2	1.89
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	2	1.89
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	2	1.89
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	2	1.89
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	2	1.89
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	6	1.89
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	8	1.88
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	8	1.88
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	8	1.88
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	8	1.88
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	8	1.88
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	8	1.88
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	17	1.88
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	17	1.88
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	17	1.88
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	17	1.88
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	17	1.88
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	17	1.88
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	20	1.88
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	20	1.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	20	1.88
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	20	1.88
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	20	1.88
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	20	1.88
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	12	1.88
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	12	1.88
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	12	1.88
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	4	1.88
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	14	1.88
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	16	1.88
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	9	1.88
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	9	1.88
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	9	1.88
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	14	1.88
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	14	1.88
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	14	1.88
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	18	1.88
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	8	1.88
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	8	1.88
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	8	1.88
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	8	1.88
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	8	1.88
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	8	1.88
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	17	1.88
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	17	1.88
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	17	1.88
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	17	1.88
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	17	1.88
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	17	1.88
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	20	1.88
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	20	1.88
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	20	1.88
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	20	1.88
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	20	1.88
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	20	1.88
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	12	1.88
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	12	1.88
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	12	1.88
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	4	1.88
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	14	1.88
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	16	1.88
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	9	1.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	9	1.88
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	9	1.88
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	14	1.88
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	14	1.88
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	14	1.88
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	18	1.88
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	16	1.87
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	16	1.87
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	16	1.87
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	16	1.87
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	16	1.87
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	16	1.87
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	5	1.87
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	19	1.87
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	3	1.87
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	10	1.87
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	16	1.87
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	16	1.87
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	16	1.87
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	16	1.87
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	16	1.87
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	16	1.87
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	5	1.87
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	19	1.87
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	3	1.87
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	10	1.87
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	1	1.86
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	1	1.86
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	1	1.86
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	1	1.86
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	1	1.86
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	1	1.86
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	1	1.86
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	7	1.86
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	12	1.86
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	1	1.86
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	1	1.86
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	1	1.86
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	1	1.86
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	1	1.86
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	1	1.86
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	1	1.86

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	1	1.86
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	7	1.86
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	12	1.86
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	1	1.86
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	12	1.85
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	12	1.85
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	12	1.85
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	12	1.85
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	12	1.85
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	12	1.85
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	10	1.85
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	10	1.85
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	10	1.85
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	10	1.85
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	10	1.85
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	10	1.85
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	13	1.85
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	1	1.85
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	1	1.85
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	1	1.85
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	12	1.85
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	12	1.85
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	12	1.85
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	12	1.85
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	12	1.85
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	12	1.85
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	10	1.85
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	10	1.85
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	10	1.85
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	10	1.85
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	10	1.85
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	10	1.85
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	13	1.85
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	1	1.85
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	1	1.85
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	1	1.85
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	2	1.84
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	8	1.84
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	8	1.84
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	8	1.84
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	2	1.84
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	8	1.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	8	1.84
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	8	1.84
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	3	1.83
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	6	1.83
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	18	1.83
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	3	1.83
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	3	1.83
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	3	1.83
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	3	1.83
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	6	1.83
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	18	1.83
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	3	1.83
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	3	1.83
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	3	1.83
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	5	1.82
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	14	1.82
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	14	1.82
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	14	1.82
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	15	1.82
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	6	1.82
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	6	1.82
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	6	1.82
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	14	1.82
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	14	1.82
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	14	1.82
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	5	1.82
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	14	1.82
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	14	1.82
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	14	1.82
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	15	1.82
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	6	1.82
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	6	1.82
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	6	1.82
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	14	1.82
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	14	1.82
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	14	1.82
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	13	1.81
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	13	1.81
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	13	1.81
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	13	1.81
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	13	1.81
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	13	1.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	17	1.81
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	9	1.81
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	9	1.81
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	9	1.81
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	3	1.81
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	3	1.81
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	3	1.81
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	8	1.81
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	13	1.81
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	13	1.81
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	13	1.81
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	13	1.81
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	13	1.81
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	13	1.81
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	17	1.81
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	9	1.81
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	9	1.81
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	9	1.81
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	3	1.81
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	3	1.81
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	3	1.81
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	8	1.81
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	10	1.8
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	1	1.8
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	1	1.8
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	1	1.8
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	14	1.8
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	14	1.8
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	14	1.8
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	12	1.8
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	12	1.8
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	12	1.8
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	16	1.8
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	16	1.8
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	16	1.8
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	1	1.8
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	2	1.8
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	14	1.8
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	1	1.8
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	1	1.8
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	1	1.8
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	10	1.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	1	1.8
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	1	1.8
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	1	1.8
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	14	1.8
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	14	1.8
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	14	1.8
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	12	1.8
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	12	1.8
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	12	1.8
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	16	1.8
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	16	1.8
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	16	1.8
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	1	1.8
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	2	1.8
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	14	1.8
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	1	1.8
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	1	1.8
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	1	1.8
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	11	1.79
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	14	1.79
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	3	1.79
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	3	1.79
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	3	1.79
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	20	1.79
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	20	1.79
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	20	1.79
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	2	1.79
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	5	1.79
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	12	1.79
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	12	1.79
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	12	1.79
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	11	1.79
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	14	1.79
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	3	1.79
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	3	1.79
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	3	1.79
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	20	1.79
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	20	1.79
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	20	1.79
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	2	1.79
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	5	1.79
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	12	1.79

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	12	1.79
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	12	1.79
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	17	1.78
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	12	1.78
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	7	1.78
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	7	1.78
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	7	1.78
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	4	1.78
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	4	1.78
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	4	1.78
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	12	1.78
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	12	1.78
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	12	1.78
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	12	1.78
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	14	1.78
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	17	1.78
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	12	1.78
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	7	1.78
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	7	1.78
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	7	1.78
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	4	1.78
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	4	1.78
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	4	1.78
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	12	1.78
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	12	1.78
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	12	1.78
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	12	1.78
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	14	1.78
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	1	1.77
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	1	1.77
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	1	1.77
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	1	1.77
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	1	1.77
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	1	1.77
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	6	1.77
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	6	1.77
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	6	1.77
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	6	1.77
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	6	1.77
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	6	1.77
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	18	1.77
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	6	1.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	6	1.77
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	6	1.77
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	17	1.77
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	17	1.77
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	17	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	5	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	5	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	5	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	8	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	8	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	8	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	17	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	17	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	17	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	18	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	18	1.77
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	18	1.77
(1,3804)	1:161:A:VAL:HG21	1:217:A:GLN:HA	10	1.77
(1,3804)	1:161:A:VAL:HG22	1:217:A:GLN:HA	10	1.77
(1,3804)	1:161:A:VAL:HG23	1:217:A:GLN:HA	10	1.77
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	13	1.77
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	13	1.77
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	13	1.77
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	3	1.77
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	3	1.77
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	3	1.77
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	16	1.77
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	16	1.77
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	16	1.77
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	1	1.77
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	1	1.77
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	1	1.77
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	1	1.77
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	1	1.77
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	1	1.77
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	6	1.77
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	6	1.77
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	6	1.77
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	6	1.77
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	6	1.77
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	6	1.77
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	18	1.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	6	1.77
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	6	1.77
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	6	1.77
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	17	1.77
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	17	1.77
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	17	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	5	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	5	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	5	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	8	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	8	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	8	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	17	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	17	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	17	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	18	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	18	1.77
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	18	1.77
(1,635)	1:161:A:VAL:HG21	1:217:A:GLN:HA	10	1.77
(1,635)	1:161:A:VAL:HG22	1:217:A:GLN:HA	10	1.77
(1,635)	1:161:A:VAL:HG23	1:217:A:GLN:HA	10	1.77
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	13	1.77
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	13	1.77
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	13	1.77
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	3	1.77
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	3	1.77
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	3	1.77
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	16	1.77
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	16	1.77
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	16	1.77
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	9	1.76
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	9	1.76
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	9	1.76
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	9	1.76
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	9	1.76
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	9	1.76
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	17	1.76
(1,4183)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	14	1.76
(1,4183)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	14	1.76
(1,4183)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	14	1.76
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	9	1.76
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	9	1.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	9	1.76
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	9	1.76
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	9	1.76
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	9	1.76
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	17	1.76
(1,1014)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	14	1.76
(1,1014)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	14	1.76
(1,1014)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	14	1.76
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	6	1.75
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	6	1.75
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	6	1.75
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	6	1.75
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	6	1.75
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	6	1.75
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	7	1.75
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	7	1.75
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	7	1.75
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	7	1.75
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	7	1.75
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	7	1.75
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	13	1.75
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	13	1.75
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	13	1.75
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	12	1.75
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	13	1.75
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	14	1.75
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	3	1.75
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	3	1.75
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	3	1.75
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	6	1.75
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	6	1.75
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	6	1.75
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	6	1.75
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	6	1.75
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	6	1.75
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	6	1.75
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	6	1.75
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	6	1.75
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	7	1.75
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	7	1.75
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	7	1.75
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	7	1.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	7	1.75
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	7	1.75
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	13	1.75
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	13	1.75
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	13	1.75
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	12	1.75
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	13	1.75
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	14	1.75
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	3	1.75
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	3	1.75
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	3	1.75
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	6	1.75
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	6	1.75
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	6	1.75
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	7	1.74
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	7	1.74
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	7	1.74
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	7	1.74
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	7	1.74
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	7	1.74
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	16	1.74
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	16	1.74
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	16	1.74
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	15	1.74
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	15	1.74
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	15	1.74
(1,4183)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	1	1.74
(1,4183)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	1	1.74
(1,4183)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	1	1.74
(1,3808)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	18	1.74
(1,3808)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	18	1.74
(1,3808)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	18	1.74
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	7	1.74
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	7	1.74
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	7	1.74
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	7	1.74
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	7	1.74
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	7	1.74
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	16	1.74
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	16	1.74
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	16	1.74
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	15	1.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	15	1.74
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	15	1.74
(1,1014)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	1	1.74
(1,1014)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	1	1.74
(1,1014)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	1	1.74
(1,639)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	18	1.74
(1,639)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	18	1.74
(1,639)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	18	1.74
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	5	1.73
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	5	1.73
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	5	1.73
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	5	1.73
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	5	1.73
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	5	1.73
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	9	1.73
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	9	1.73
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	9	1.73
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	5	1.73
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	5	1.73
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	5	1.73
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	5	1.73
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	5	1.73
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	5	1.73
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	9	1.73
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	9	1.73
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	9	1.73
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	14	1.72
(1,6260)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	14	1.72
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	14	1.72
(1,6260)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	14	1.72
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	14	1.72
(1,6260)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	14	1.72
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	16	1.72
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	16	1.72
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	16	1.72
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	16	1.72
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	16	1.72
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	16	1.72
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	4	1.72
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	17	1.72
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	16	1.72
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	11	1.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	8	1.72
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	8	1.72
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	8	1.72
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE1	14	1.72
(1,3091)	1:130:A:LEU:HD11	1:162:A:TYR:HE2	14	1.72
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE1	14	1.72
(1,3091)	1:130:A:LEU:HD12	1:162:A:TYR:HE2	14	1.72
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE1	14	1.72
(1,3091)	1:130:A:LEU:HD13	1:162:A:TYR:HE2	14	1.72
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	16	1.72
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	16	1.72
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	16	1.72
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	16	1.72
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	16	1.72
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	16	1.72
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	4	1.72
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	17	1.72
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	16	1.72
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	11	1.72
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	8	1.72
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	8	1.72
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	8	1.72
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	4	1.71
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	4	1.71
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	4	1.71
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	7	1.71
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	7	1.71
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	7	1.71
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	4	1.71
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	4	1.71
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	4	1.71
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	7	1.71
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	7	1.71
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	7	1.71
(1,5949)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	15	1.7
(1,5949)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	15	1.7
(1,5949)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	15	1.7
(1,5949)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	15	1.7
(1,5949)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	15	1.7
(1,5949)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	15	1.7
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	7	1.7
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	15	1.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	6	1.7
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	6	1.7
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	6	1.7
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	20	1.7
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	20	1.7
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	20	1.7
(1,2780)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	15	1.7
(1,2780)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	15	1.7
(1,2780)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	15	1.7
(1,2780)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	15	1.7
(1,2780)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	15	1.7
(1,2780)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	15	1.7
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	7	1.7
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	15	1.7
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	6	1.7
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	6	1.7
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	6	1.7
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	20	1.7
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	20	1.7
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	20	1.7
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	6	1.69
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	6	1.69
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	6	1.69
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	6	1.69
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	6	1.69
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	6	1.69
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	5	1.69
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	5	1.69
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	5	1.69
(1,4183)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	20	1.69
(1,4183)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	20	1.69
(1,4183)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	20	1.69
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	3	1.69
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	5	1.69
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	12	1.69
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	17	1.69
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	7	1.69
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	7	1.69
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	7	1.69
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	6	1.69
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	6	1.69
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	6	1.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	6	1.69
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	6	1.69
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	6	1.69
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	6	1.69
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	6	1.69
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	6	1.69
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	5	1.69
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	5	1.69
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	5	1.69
(1,1014)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	20	1.69
(1,1014)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	20	1.69
(1,1014)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	20	1.69
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	3	1.69
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	5	1.69
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	12	1.69
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	17	1.69
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	7	1.69
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	7	1.69
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	7	1.69
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	6	1.69
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	6	1.69
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	6	1.69
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	19	1.68
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	14	1.68
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	9	1.68
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	9	1.68
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	9	1.68
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	5	1.68
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	5	1.68
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	5	1.68
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	19	1.68
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	14	1.68
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	9	1.68
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	9	1.68
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	9	1.68
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	5	1.68
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	5	1.68
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	5	1.68
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	15	1.67
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	5	1.67
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	5	1.67
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	5	1.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	9	1.67
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	9	1.67
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	9	1.67
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	17	1.67
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	3	1.67
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	15	1.67
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	5	1.67
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	5	1.67
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	5	1.67
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	9	1.67
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	9	1.67
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	9	1.67
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	17	1.67
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	3	1.67
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	7	1.66
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	19	1.66
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	5	1.66
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	13	1.66
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	20	1.66
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	16	1.66
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	4	1.66
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	19	1.66
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	8	1.66
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	8	1.66
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	8	1.66
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	7	1.66
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	19	1.66
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	5	1.66
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	13	1.66
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	20	1.66
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	16	1.66
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	4	1.66
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	19	1.66
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	8	1.66
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	8	1.66
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	8	1.66
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	19	1.65
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	5	1.65
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	5	1.65
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	5	1.65
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	16	1.65
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	16	1.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	16	1.65
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	9	1.65
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	9	1.65
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	9	1.65
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	1	1.65
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	1	1.65
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	1	1.65
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	19	1.65
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	5	1.65
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	5	1.65
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	5	1.65
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	16	1.65
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	16	1.65
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	16	1.65
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	9	1.65
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	9	1.65
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	9	1.65
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	1	1.65
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	1	1.65
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	1	1.65
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG11	18	1.64
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG12	18	1.64
(1,5131)	1:180:A:VAL:H	1:210:A:VAL:HG13	18	1.64
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	8	1.64
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	12	1.64
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	10	1.64
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	1	1.64
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	1	1.64
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	1	1.64
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	1	1.64
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	13	1.64
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	13	1.64
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	13	1.64
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	9	1.64
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	9	1.64
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	9	1.64
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	9	1.64
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	9	1.64
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	9	1.64
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG11	18	1.64
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG12	18	1.64
(1,1962)	1:180:A:VAL:H	1:210:A:VAL:HG13	18	1.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	8	1.64
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	12	1.64
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	10	1.64
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	1	1.64
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	1	1.64
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	1	1.64
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	1	1.64
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	13	1.64
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	13	1.64
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	13	1.64
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	9	1.64
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	9	1.64
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	9	1.64
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	9	1.64
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	9	1.64
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	9	1.64
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	19	1.63
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	20	1.63
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	5	1.63
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	5	1.63
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	5	1.63
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	5	1.63
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	5	1.63
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	5	1.63
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	16	1.63
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	9	1.63
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	7	1.63
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	13	1.63
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	18	1.63
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	19	1.63
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	20	1.63
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	5	1.63
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	5	1.63
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	5	1.63
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	5	1.63
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	5	1.63
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	5	1.63
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	16	1.63
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	9	1.63
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	7	1.63
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	13	1.63
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	18	1.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5775)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	18	1.62
(1,5775)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	18	1.62
(1,5775)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	18	1.62
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	6	1.62
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	6	1.62
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	6	1.62
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	10	1.62
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	10	1.62
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	10	1.62
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	2	1.62
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	3	1.62
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	6	1.62
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	3	1.62
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	3	1.62
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	3	1.62
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	16	1.62
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	16	1.62
(1,3245)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	16	1.62
(1,2606)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	18	1.62
(1,2606)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	18	1.62
(1,2606)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	18	1.62
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	6	1.62
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	6	1.62
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	6	1.62
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	10	1.62
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	10	1.62
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	10	1.62
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	2	1.62
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	3	1.62
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	6	1.62
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	3	1.62
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	3	1.62
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	3	1.62
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG21	16	1.62
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG22	16	1.62
(1,76)	1:158:A:PRO:HB2	1:210:A:VAL:HG23	16	1.62
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	19	1.61
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	10	1.61
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	11	1.61
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	15	1.61
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	15	1.61
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	15	1.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	6	1.61
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	6	1.61
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	6	1.61
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	7	1.61
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	7	1.61
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	7	1.61
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	19	1.61
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	10	1.61
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	11	1.61
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	15	1.61
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	15	1.61
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	15	1.61
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	6	1.61
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	6	1.61
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	6	1.61
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	7	1.61
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	7	1.61
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	7	1.61
(1,6316)	1:166:A:VAL:HG21	1:218:A:TYR:HE1	1	1.6
(1,6316)	1:166:A:VAL:HG21	1:218:A:TYR:HE2	1	1.6
(1,6316)	1:166:A:VAL:HG22	1:218:A:TYR:HE1	1	1.6
(1,6316)	1:166:A:VAL:HG22	1:218:A:TYR:HE2	1	1.6
(1,6316)	1:166:A:VAL:HG23	1:218:A:TYR:HE1	1	1.6
(1,6316)	1:166:A:VAL:HG23	1:218:A:TYR:HE2	1	1.6
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	14	1.6
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	15	1.6
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	1	1.6
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	12	1.6
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	12	1.6
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	12	1.6
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	12	1.6
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	12	1.6
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	12	1.6
(1,3147)	1:166:A:VAL:HG21	1:218:A:TYR:HE1	1	1.6
(1,3147)	1:166:A:VAL:HG21	1:218:A:TYR:HE2	1	1.6
(1,3147)	1:166:A:VAL:HG22	1:218:A:TYR:HE1	1	1.6
(1,3147)	1:166:A:VAL:HG22	1:218:A:TYR:HE2	1	1.6
(1,3147)	1:166:A:VAL:HG23	1:218:A:TYR:HE1	1	1.6
(1,3147)	1:166:A:VAL:HG23	1:218:A:TYR:HE2	1	1.6
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	14	1.6
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	15	1.6
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	1	1.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	12	1.6
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	12	1.6
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	12	1.6
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	12	1.6
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	12	1.6
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	12	1.6
(1,6316)	1:166:A:VAL:HG21	1:218:A:TYR:HE1	20	1.59
(1,6316)	1:166:A:VAL:HG21	1:218:A:TYR:HE2	20	1.59
(1,6316)	1:166:A:VAL:HG22	1:218:A:TYR:HE1	20	1.59
(1,6316)	1:166:A:VAL:HG22	1:218:A:TYR:HE2	20	1.59
(1,6316)	1:166:A:VAL:HG23	1:218:A:TYR:HE1	20	1.59
(1,6316)	1:166:A:VAL:HG23	1:218:A:TYR:HE2	20	1.59
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	20	1.59
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	20	1.59
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	20	1.59
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	20	1.59
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	20	1.59
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	20	1.59
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	16	1.59
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	16	1.59
(1,4675)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	16	1.59
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	4	1.59
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	12	1.59
(1,4004)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	14	1.59
(1,4004)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	14	1.59
(1,4004)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	14	1.59
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	7	1.59
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	7	1.59
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	7	1.59
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	1	1.59
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	1	1.59
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	1	1.59
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	18	1.59
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	18	1.59
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	18	1.59
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	3	1.59
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	3	1.59
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	3	1.59
(1,3147)	1:166:A:VAL:HG21	1:218:A:TYR:HE1	20	1.59
(1,3147)	1:166:A:VAL:HG21	1:218:A:TYR:HE2	20	1.59
(1,3147)	1:166:A:VAL:HG22	1:218:A:TYR:HE1	20	1.59
(1,3147)	1:166:A:VAL:HG22	1:218:A:TYR:HE2	20	1.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3147)	1:166:A:VAL:HG23	1:218:A:TYR:HE1	20	1.59
(1,3147)	1:166:A:VAL:HG23	1:218:A:TYR:HE2	20	1.59
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	20	1.59
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	20	1.59
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	20	1.59
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	20	1.59
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	20	1.59
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	20	1.59
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG21	16	1.59
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG22	16	1.59
(1,1506)	1:158:A:PRO:HB3	1:210:A:VAL:HG23	16	1.59
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	4	1.59
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	12	1.59
(1,835)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	14	1.59
(1,835)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	14	1.59
(1,835)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	14	1.59
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	7	1.59
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	7	1.59
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	7	1.59
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	1	1.59
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	1	1.59
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	1	1.59
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	18	1.59
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	18	1.59
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	18	1.59
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	3	1.59
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	3	1.59
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	3	1.59
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	3	1.58
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	3	1.58
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	3	1.58
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	3	1.58
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	3	1.58
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	3	1.58
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	1	1.58
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	1	1.58
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	1	1.58
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	1	1.58
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	1	1.58
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	1	1.58
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	15	1.58
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	16	1.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	18	1.58
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	8	1.58
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	10	1.58
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	3	1.58
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	3	1.58
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	3	1.58
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	3	1.58
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	3	1.58
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	3	1.58
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	1	1.58
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	1	1.58
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	1	1.58
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	1	1.58
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	1	1.58
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	1	1.58
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	15	1.58
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	16	1.58
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	18	1.58
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	8	1.58
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	10	1.58
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	6	1.57
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	6	1.57
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	6	1.57
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	9	1.57
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	9	1.57
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	9	1.57
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	17	1.57
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	17	1.57
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	18	1.57
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	18	1.57
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	18	1.57
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	18	1.57
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	20	1.57
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	20	1.57
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	20	1.57
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	1	1.57
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	19	1.57
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	5	1.57
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	18	1.57
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	18	1.57
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	18	1.57
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	15	1.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	15	1.57
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	15	1.57
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	6	1.57
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	6	1.57
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	6	1.57
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	9	1.57
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	9	1.57
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	9	1.57
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	17	1.57
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	17	1.57
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	18	1.57
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	18	1.57
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	18	1.57
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	18	1.57
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	20	1.57
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	20	1.57
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	20	1.57
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	1	1.57
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	19	1.57
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	5	1.57
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	18	1.57
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	18	1.57
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	18	1.57
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	15	1.57
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	15	1.57
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	15	1.57
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	13	1.56
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	13	1.56
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	13	1.56
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	12	1.56
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	12	1.56
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	12	1.56
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	3	1.56
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	3	1.56
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	3	1.56
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	11	1.56
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	19	1.56
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	19	1.56
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	19	1.56
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	9	1.56
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	17	1.56
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	8	1.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	8	1.56
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	8	1.56
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	17	1.56
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	17	1.56
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	17	1.56
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	2	1.56
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	16	1.56
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	16	1.56
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	16	1.56
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	13	1.56
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	13	1.56
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	13	1.56
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	12	1.56
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	12	1.56
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	12	1.56
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	3	1.56
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	3	1.56
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	3	1.56
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	11	1.56
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	19	1.56
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	19	1.56
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	19	1.56
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	9	1.56
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	17	1.56
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	8	1.56
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	8	1.56
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	8	1.56
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	17	1.56
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	17	1.56
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	17	1.56
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	2	1.56
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	16	1.56
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	16	1.56
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	16	1.56
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	5	1.55
(1,4956)	1:148:A:ARG:HG3	1:152:A:GLU:H	14	1.55
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG11	12	1.55
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG12	12	1.55
(1,4719)	1:180:A:VAL:HB	1:210:A:VAL:HG13	12	1.55
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	17	1.55
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	13	1.55
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	13	1.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	13	1.55
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	16	1.55
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	16	1.55
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	16	1.55
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	8	1.55
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	4	1.55
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	4	1.55
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	4	1.55
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	14	1.55
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	14	1.55
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	14	1.55
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	18	1.55
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	18	1.55
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	18	1.55
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	5	1.55
(1,1787)	1:148:A:ARG:HG3	1:152:A:GLU:H	14	1.55
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG11	12	1.55
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG12	12	1.55
(1,1550)	1:180:A:VAL:HB	1:210:A:VAL:HG13	12	1.55
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	17	1.55
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	13	1.55
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	13	1.55
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	13	1.55
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	16	1.55
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	16	1.55
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	16	1.55
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	8	1.55
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	4	1.55
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	4	1.55
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	4	1.55
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	14	1.55
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	14	1.55
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	14	1.55
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	18	1.55
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	18	1.55
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	18	1.55
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	18	1.54
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	18	1.54
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	18	1.54
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	18	1.54
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	18	1.54
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	18	1.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	18	1.54
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	18	1.54
(1,6114)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	18	1.54
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	18	1.54
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	18	1.54
(1,6114)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	18	1.54
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	19	1.54
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	15	1.54
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	19	1.54
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	19	1.54
(1,4671)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	19	1.54
(1,4644)	1:203:A:VAL:HA	1:205:A:MET:HB3	5	1.54
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	20	1.54
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	20	1.54
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	20	1.54
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	15	1.54
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	15	1.54
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	15	1.54
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	12	1.54
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	12	1.54
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	12	1.54
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	12	1.54
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	12	1.54
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	12	1.54
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	12	1.54
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	12	1.54
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	12	1.54
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	18	1.54
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	18	1.54
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	18	1.54
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	16	1.54
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	16	1.54
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	16	1.54
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	14	1.54
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	14	1.54
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	14	1.54
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	18	1.54
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	18	1.54
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	18	1.54
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	18	1.54
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	18	1.54
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	18	1.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG11	18	1.54
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG12	18	1.54
(1,2945)	1:198:A:PHE:HD1	1:203:A:VAL:HG13	18	1.54
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG11	18	1.54
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG12	18	1.54
(1,2945)	1:198:A:PHE:HD2	1:203:A:VAL:HG13	18	1.54
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	19	1.54
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	15	1.54
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG11	19	1.54
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG12	19	1.54
(1,1502)	1:137:A:PRO:HB2	1:209:A:VAL:HG13	19	1.54
(1,1475)	1:203:A:VAL:HA	1:205:A:MET:HB3	5	1.54
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	20	1.54
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	20	1.54
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	20	1.54
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	15	1.54
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	15	1.54
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	15	1.54
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	12	1.54
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	12	1.54
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	12	1.54
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	12	1.54
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	12	1.54
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	12	1.54
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	12	1.54
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	12	1.54
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	12	1.54
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	18	1.54
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	18	1.54
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	18	1.54
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	16	1.54
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	16	1.54
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	16	1.54
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	14	1.54
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	14	1.54
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	14	1.54
(1,5769)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	20	1.53
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	4	1.53
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	8	1.53
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	11	1.53
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	11	1.53
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	11	1.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2600)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	20	1.53
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	4	1.53
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	8	1.53
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	11	1.53
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	11	1.53
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	11	1.53
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	4	1.52
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	12	1.52
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	12	1.52
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	12	1.52
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	13	1.52
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	3	1.52
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	3	1.52
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	3	1.52
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG11	12	1.52
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG12	12	1.52
(1,3216)	1:181:A:ASN:H	1:210:A:VAL:HG13	12	1.52
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	2	1.52
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	2	1.52
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	2	1.52
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	4	1.52
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	12	1.52
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	12	1.52
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	12	1.52
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	13	1.52
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	3	1.52
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	3	1.52
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	3	1.52
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG11	12	1.52
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG12	12	1.52
(1,47)	1:181:A:ASN:H	1:210:A:VAL:HG13	12	1.52
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	2	1.52
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	2	1.52
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	2	1.52
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	9	1.51
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	9	1.51
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	9	1.51
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	2	1.51
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	10	1.51
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	10	1.51
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	10	1.51
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	6	1.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	6	1.51
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	6	1.51
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	16	1.51
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	16	1.51
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	16	1.51
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	9	1.51
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	9	1.51
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	9	1.51
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	2	1.51
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	10	1.51
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	10	1.51
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	10	1.51
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	6	1.51
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	6	1.51
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	6	1.51
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	16	1.51
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	16	1.51
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	16	1.51
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	3	1.5
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	3	1.5
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	3	1.5
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	3	1.5
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	3	1.5
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	3	1.5
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	9	1.5
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	9	1.5
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	9	1.5
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	9	1.5
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	9	1.5
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	9	1.5
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	16	1.5
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	18	1.5
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	18	1.5
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	18	1.5
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	9	1.5
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	1	1.5
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	1	1.5
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	15	1.5
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	15	1.5
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	3	1.5
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	3	1.5
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	3	1.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	7	1.5
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	9	1.5
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	9	1.5
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	9	1.5
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	9	1.5
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	9	1.5
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	9	1.5
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	9	1.5
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	9	1.5
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	9	1.5
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	3	1.5
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	3	1.5
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	3	1.5
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	3	1.5
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	3	1.5
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	3	1.5
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	9	1.5
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	9	1.5
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	9	1.5
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	9	1.5
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	9	1.5
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	9	1.5
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	16	1.5
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	18	1.5
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	18	1.5
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	18	1.5
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	9	1.5
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	1	1.5
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	1	1.5
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	15	1.5
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	15	1.5
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	3	1.5
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	3	1.5
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	3	1.5
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	7	1.5
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	9	1.5
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	9	1.5
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	9	1.5
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	9	1.5
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	9	1.5
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	9	1.5
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	9	1.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	9	1.5
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	9	1.5
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	14	1.49
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	14	1.49
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	14	1.49
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	14	1.49
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	14	1.49
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	14	1.49
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	5	1.49
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	5	1.49
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	5	1.49
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	5	1.49
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	5	1.49
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	5	1.49
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	10	1.49
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	10	1.49
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	12	1.49
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	12	1.49
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	13	1.49
(1,4293)	1:217:A:GLN:HA	1:221:A:GLU:HG3	11	1.49
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	9	1.49
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	4	1.49
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	4	1.49
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	4	1.49
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	14	1.49
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	14	1.49
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	14	1.49
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	17	1.49
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	17	1.49
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	17	1.49
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	6	1.49
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	6	1.49
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	6	1.49
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	14	1.49
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	14	1.49
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	14	1.49
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	14	1.49
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	14	1.49
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	14	1.49
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	5	1.49
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	5	1.49
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	5	1.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	5	1.49
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	5	1.49
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	5	1.49
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	10	1.49
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	10	1.49
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	12	1.49
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	12	1.49
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	13	1.49
(1,1124)	1:217:A:GLN:HA	1:221:A:GLU:HG3	11	1.49
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	9	1.49
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	4	1.49
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	4	1.49
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	4	1.49
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	14	1.49
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	14	1.49
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	14	1.49
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	17	1.49
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	17	1.49
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	17	1.49
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	6	1.49
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	6	1.49
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	6	1.49
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	1	1.48
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	7	1.48
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	7	1.48
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	7	1.48
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	7	1.48
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	7	1.48
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	7	1.48
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	3	1.48
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	3	1.48
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	3	1.48
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	8	1.48
(1,4017)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	20	1.48
(1,4017)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	20	1.48
(1,4017)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	20	1.48
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	1	1.48
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	7	1.48
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	7	1.48
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	7	1.48
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	7	1.48
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	7	1.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	7	1.48
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	3	1.48
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	3	1.48
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	3	1.48
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	8	1.48
(1,848)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	20	1.48
(1,848)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	20	1.48
(1,848)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	20	1.48
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	4	1.47
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	4	1.47
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	4	1.47
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	17	1.47
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	17	1.47
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	17	1.47
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	8	1.47
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	8	1.47
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	8	1.47
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	16	1.47
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	16	1.47
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	16	1.47
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	13	1.47
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	13	1.47
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	13	1.47
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	4	1.47
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	4	1.47
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	4	1.47
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	17	1.47
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	17	1.47
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	17	1.47
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	8	1.47
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	8	1.47
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	8	1.47
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	16	1.47
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	16	1.47
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	16	1.47
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	13	1.47
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	13	1.47
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	13	1.47
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	6	1.46
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	6	1.46
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	6	1.46
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	20	1.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	20	1.46
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	20	1.46
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	20	1.46
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	20	1.46
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	20	1.46
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	14	1.46
(1,4880)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	16	1.46
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	7	1.46
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	10	1.46
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	6	1.46
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	6	1.46
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	6	1.46
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	19	1.46
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	19	1.46
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	19	1.46
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	17	1.46
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	17	1.46
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	17	1.46
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	6	1.46
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	6	1.46
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	6	1.46
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	20	1.46
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	20	1.46
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	20	1.46
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	20	1.46
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	20	1.46
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	20	1.46
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	14	1.46
(1,1711)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	16	1.46
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	7	1.46
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	10	1.46
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	6	1.46
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	6	1.46
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	6	1.46
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	19	1.46
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	19	1.46
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	19	1.46
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	17	1.46
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	17	1.46
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	17	1.46
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	18	1.45
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	18	1.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	18	1.45
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	18	1.45
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	18	1.45
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	18	1.45
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	10	1.45
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	10	1.45
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	10	1.45
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	4	1.45
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	4	1.45
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	4	1.45
(1,4880)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	17	1.45
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	14	1.45
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	14	1.45
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	14	1.45
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	16	1.45
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	16	1.45
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	16	1.45
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	18	1.45
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	18	1.45
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	18	1.45
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	18	1.45
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	18	1.45
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	18	1.45
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	10	1.45
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	10	1.45
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	10	1.45
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	4	1.45
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	4	1.45
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	4	1.45
(1,1711)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	17	1.45
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	14	1.45
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	14	1.45
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	14	1.45
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	16	1.45
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	16	1.45
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	16	1.45
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	1	1.44
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	1	1.44
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	1	1.44
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	1	1.44
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	1	1.44
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	1	1.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	5	1.44
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	5	1.44
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	5	1.44
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	5	1.44
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	5	1.44
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	5	1.44
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	13	1.44
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	13	1.44
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	13	1.44
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	13	1.44
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	13	1.44
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	13	1.44
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	20	1.44
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	13	1.44
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	4	1.44
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	4	1.44
(1,3722)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	18	1.44
(1,3722)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	18	1.44
(1,3722)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	18	1.44
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	10	1.44
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	10	1.44
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	10	1.44
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	19	1.44
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	19	1.44
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	19	1.44
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	3	1.44
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	3	1.44
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	3	1.44
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	1	1.44
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	1	1.44
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	1	1.44
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	1	1.44
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	1	1.44
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	1	1.44
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	5	1.44
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	5	1.44
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	5	1.44
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	5	1.44
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	5	1.44
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	5	1.44
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	13	1.44
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	13	1.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	13	1.44
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	13	1.44
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	13	1.44
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	13	1.44
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	20	1.44
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	13	1.44
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	4	1.44
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	4	1.44
(1,553)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	18	1.44
(1,553)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	18	1.44
(1,553)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	18	1.44
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	10	1.44
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	10	1.44
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	10	1.44
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	19	1.44
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	19	1.44
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	19	1.44
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	3	1.44
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	3	1.44
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	3	1.44
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	1	1.43
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	1	1.43
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	1	1.43
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	1	1.43
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	1	1.43
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	1	1.43
(1,5961)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	16	1.43
(1,5961)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	16	1.43
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG11	17	1.43
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG12	17	1.43
(1,5133)	1:139:A:ILE:H	1:209:A:VAL:HG13	17	1.43
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	10	1.43
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	18	1.43
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	3	1.43
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	3	1.43
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	3	1.43
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	3	1.43
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	3	1.43
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	3	1.43
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	3	1.43
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	3	1.43
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	3	1.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	1	1.43
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	1	1.43
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	1	1.43
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	1	1.43
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	1	1.43
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	1	1.43
(1,2792)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	16	1.43
(1,2792)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	16	1.43
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG11	17	1.43
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG12	17	1.43
(1,1964)	1:139:A:ILE:H	1:209:A:VAL:HG13	17	1.43
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	10	1.43
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	18	1.43
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	3	1.43
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	3	1.43
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	3	1.43
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	3	1.43
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	3	1.43
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	3	1.43
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	3	1.43
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	3	1.43
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	3	1.43
(1,6316)	1:166:A:VAL:HG21	1:218:A:TYR:HE1	14	1.42
(1,6316)	1:166:A:VAL:HG21	1:218:A:TYR:HE2	14	1.42
(1,6316)	1:166:A:VAL:HG22	1:218:A:TYR:HE1	14	1.42
(1,6316)	1:166:A:VAL:HG22	1:218:A:TYR:HE2	14	1.42
(1,6316)	1:166:A:VAL:HG23	1:218:A:TYR:HE1	14	1.42
(1,6316)	1:166:A:VAL:HG23	1:218:A:TYR:HE2	14	1.42
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	19	1.42
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	19	1.42
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	19	1.42
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	16	1.42
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	15	1.42
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	13	1.42
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	13	1.42
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	13	1.42
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	6	1.42
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	6	1.42
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	6	1.42
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	4	1.42
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	6	1.42
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	6	1.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	6	1.42
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	6	1.42
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	6	1.42
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	6	1.42
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	6	1.42
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	6	1.42
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	6	1.42
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	14	1.42
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	14	1.42
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	14	1.42
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	14	1.42
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	14	1.42
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	14	1.42
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	14	1.42
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	14	1.42
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	14	1.42
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	16	1.42
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	16	1.42
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	16	1.42
(1,3147)	1:166:A:VAL:HG21	1:218:A:TYR:HE1	14	1.42
(1,3147)	1:166:A:VAL:HG21	1:218:A:TYR:HE2	14	1.42
(1,3147)	1:166:A:VAL:HG22	1:218:A:TYR:HE1	14	1.42
(1,3147)	1:166:A:VAL:HG22	1:218:A:TYR:HE2	14	1.42
(1,3147)	1:166:A:VAL:HG23	1:218:A:TYR:HE1	14	1.42
(1,3147)	1:166:A:VAL:HG23	1:218:A:TYR:HE2	14	1.42
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	19	1.42
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	19	1.42
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	19	1.42
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	16	1.42
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	15	1.42
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	13	1.42
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	13	1.42
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	13	1.42
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	6	1.42
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	6	1.42
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	6	1.42
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	4	1.42
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	6	1.42
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	6	1.42
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	6	1.42
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	6	1.42
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	6	1.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	6	1.42
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	6	1.42
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	6	1.42
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	6	1.42
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	14	1.42
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	14	1.42
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	14	1.42
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	14	1.42
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	14	1.42
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	14	1.42
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	14	1.42
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	14	1.42
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	14	1.42
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	16	1.42
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	16	1.42
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	16	1.42
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	14	1.41
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	14	1.41
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	14	1.41
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	14	1.41
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	14	1.41
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	14	1.41
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	6	1.41
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	6	1.41
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	6	1.41
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	6	1.41
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	6	1.41
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	6	1.41
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	4	1.41
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	4	1.41
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	4	1.41
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	4	1.41
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	4	1.41
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	4	1.41
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	1	1.41
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	1	1.41
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	1	1.41
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	1	1.41
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	1	1.41
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	1	1.41
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	1	1.41
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	1	1.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	1	1.41
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	19	1.41
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	19	1.41
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	19	1.41
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	19	1.41
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	19	1.41
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	19	1.41
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	19	1.41
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	19	1.41
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	19	1.41
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	14	1.41
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	14	1.41
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	14	1.41
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	14	1.41
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	14	1.41
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	14	1.41
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	6	1.41
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	6	1.41
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	6	1.41
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	6	1.41
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	6	1.41
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	6	1.41
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	4	1.41
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	4	1.41
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	4	1.41
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	4	1.41
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	4	1.41
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	4	1.41
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	1	1.41
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	1	1.41
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	1	1.41
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	1	1.41
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	1	1.41
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	1	1.41
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	1	1.41
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	1	1.41
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	1	1.41
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	19	1.41
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	19	1.41
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	19	1.41
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	19	1.41
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	19	1.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	19	1.41
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	19	1.41
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	19	1.41
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	19	1.41
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	14	1.4
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	14	1.4
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	14	1.4
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	14	1.4
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	14	1.4
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	14	1.4
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	11	1.4
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	11	1.4
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	11	1.4
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	12	1.4
(1,3808)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	10	1.4
(1,3808)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	10	1.4
(1,3808)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	10	1.4
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	10	1.4
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	10	1.4
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	10	1.4
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	12	1.4
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	12	1.4
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	12	1.4
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	16	1.4
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	16	1.4
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	16	1.4
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	12	1.4
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	12	1.4
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	12	1.4
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	14	1.4
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	14	1.4
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	14	1.4
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	14	1.4
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	14	1.4
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	14	1.4
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	11	1.4
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	11	1.4
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	11	1.4
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	12	1.4
(1,639)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	10	1.4
(1,639)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	10	1.4
(1,639)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	10	1.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	10	1.4
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	10	1.4
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	10	1.4
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	12	1.4
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	12	1.4
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	12	1.4
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	16	1.4
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	16	1.4
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	16	1.4
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	12	1.4
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	12	1.4
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	12	1.4
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	18	1.39
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	18	1.39
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	18	1.39
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	19	1.39
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	7	1.39
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	7	1.39
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	3	1.39
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	6	1.39
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	5	1.39
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	5	1.39
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	5	1.39
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	5	1.39
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	5	1.39
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	5	1.39
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	5	1.39
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	5	1.39
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	5	1.39
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	18	1.39
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	18	1.39
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	18	1.39
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	19	1.39
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	7	1.39
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	7	1.39
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	3	1.39
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	6	1.39
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	5	1.39
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	5	1.39
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	5	1.39
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	5	1.39
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	5	1.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	5	1.39
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	5	1.39
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	5	1.39
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	5	1.39
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	1	1.38
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	1	1.38
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	1	1.38
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	1	1.38
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	1	1.38
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	1	1.38
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	10	1.38
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	10	1.38
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	10	1.38
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	10	1.38
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	10	1.38
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	10	1.38
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	14	1.38
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	14	1.38
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	14	1.38
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	14	1.38
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	14	1.38
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	14	1.38
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	10	1.38
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	10	1.38
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	10	1.38
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	1	1.38
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	1	1.38
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	1	1.38
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	14	1.38
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	14	1.38
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	14	1.38
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	2	1.38
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	2	1.38
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	2	1.38
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	8	1.38
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	8	1.38
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	8	1.38
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	16	1.38
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	16	1.38
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	16	1.38
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	7	1.38
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	5	1.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	5	1.38
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	5	1.38
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	18	1.38
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	12	1.38
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	12	1.38
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	12	1.38
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	12	1.38
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	12	1.38
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	12	1.38
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	12	1.38
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	12	1.38
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	12	1.38
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	1	1.38
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	1	1.38
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	1	1.38
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	1	1.38
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	1	1.38
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	1	1.38
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	10	1.38
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	10	1.38
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	10	1.38
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	10	1.38
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	10	1.38
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	10	1.38
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	14	1.38
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	14	1.38
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	14	1.38
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	14	1.38
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	14	1.38
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	14	1.38
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	10	1.38
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	10	1.38
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	10	1.38
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	1	1.38
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	1	1.38
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	1	1.38
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	14	1.38
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	14	1.38
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	14	1.38
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	2	1.38
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	2	1.38
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	2	1.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	8	1.38
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	8	1.38
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	8	1.38
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	16	1.38
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	16	1.38
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	16	1.38
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	7	1.38
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	5	1.38
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	5	1.38
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	5	1.38
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	18	1.38
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	12	1.38
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	12	1.38
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	12	1.38
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	12	1.38
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	12	1.38
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	12	1.38
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	12	1.38
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	12	1.38
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	12	1.38
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	14	1.37
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	9	1.37
(1,6038)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	9	1.37
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	9	1.37
(1,6038)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	9	1.37
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	9	1.37
(1,6038)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	9	1.37
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	14	1.37
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	3	1.37
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	3	1.37
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	3	1.37
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	4	1.37
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	4	1.37
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	4	1.37
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	1	1.37
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	1	1.37
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	1	1.37
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	1	1.37
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	1	1.37
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	1	1.37
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	1	1.37
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	1	1.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	1	1.37
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	14	1.37
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD1	9	1.37
(1,2869)	1:130:A:LEU:HD11	1:162:A:TYR:HD2	9	1.37
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD1	9	1.37
(1,2869)	1:130:A:LEU:HD12	1:162:A:TYR:HD2	9	1.37
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD1	9	1.37
(1,2869)	1:130:A:LEU:HD13	1:162:A:TYR:HD2	9	1.37
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	14	1.37
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	3	1.37
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	3	1.37
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	3	1.37
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	4	1.37
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	4	1.37
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	4	1.37
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	1	1.37
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	1	1.37
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	1	1.37
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	1	1.37
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	1	1.37
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	1	1.37
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	1	1.37
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	1	1.37
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	1	1.37
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	3	1.36
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	3	1.36
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	3	1.36
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	20	1.36
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	20	1.36
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	20	1.36
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	1	1.36
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	6	1.36
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	6	1.36
(1,4632)	1:166:A:VAL:HB	1:222:A:SER:HB2	8	1.36
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	10	1.36
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	10	1.36
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	10	1.36
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	1	1.36
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	1	1.36
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	1	1.36
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	18	1.36
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	18	1.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	18	1.36
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	18	1.36
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	18	1.36
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	18	1.36
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	18	1.36
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	18	1.36
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	18	1.36
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	17	1.36
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	17	1.36
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	17	1.36
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	20	1.36
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	20	1.36
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	20	1.36
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	3	1.36
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	3	1.36
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	3	1.36
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	20	1.36
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	20	1.36
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	20	1.36
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	1	1.36
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	6	1.36
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	6	1.36
(1,1463)	1:166:A:VAL:HB	1:222:A:SER:HB2	8	1.36
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	10	1.36
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	10	1.36
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	10	1.36
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	1	1.36
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	1	1.36
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	1	1.36
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	18	1.36
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	18	1.36
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	18	1.36
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	18	1.36
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	18	1.36
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	18	1.36
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	18	1.36
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	18	1.36
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	18	1.36
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	17	1.36
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	17	1.36
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	17	1.36
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	20	1.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	20	1.36
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	20	1.36
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	1	1.35
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	1	1.35
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	1	1.35
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	8	1.35
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	3	1.35
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	3	1.35
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	3	1.35
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	5	1.35
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	5	1.35
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	5	1.35
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	5	1.35
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	5	1.35
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	5	1.35
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	5	1.35
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	5	1.35
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	5	1.35
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	13	1.35
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	13	1.35
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	13	1.35
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	13	1.35
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	13	1.35
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	13	1.35
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	13	1.35
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	13	1.35
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	13	1.35
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	9	1.35
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	9	1.35
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	9	1.35
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	1	1.35
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	1	1.35
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	1	1.35
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	8	1.35
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	3	1.35
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	3	1.35
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	3	1.35
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	5	1.35
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	5	1.35
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	5	1.35
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	5	1.35
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	5	1.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	5	1.35
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	5	1.35
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	5	1.35
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	5	1.35
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	13	1.35
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	13	1.35
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	13	1.35
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	13	1.35
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	13	1.35
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	13	1.35
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	13	1.35
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	13	1.35
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	13	1.35
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	9	1.35
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	9	1.35
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	9	1.35
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	14	1.34
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	14	1.34
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	14	1.34
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	4	1.34
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	4	1.34
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	4	1.34
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	4	1.34
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	4	1.34
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	6	1.34
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	6	1.34
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	6	1.34
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	18	1.34
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	18	1.34
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	18	1.34
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	10	1.34
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	10	1.34
(1,4102)	1:166:A:VAL:HG11	1:225:A:TYR:HB3	1	1.34
(1,4102)	1:166:A:VAL:HG12	1:225:A:TYR:HB3	1	1.34
(1,4102)	1:166:A:VAL:HG13	1:225:A:TYR:HB3	1	1.34
(1,4044)	1:222:A:SER:HB3	1:223:A:GLN:HA	13	1.34
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	9	1.34
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	9	1.34
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	9	1.34
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	13	1.34
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	13	1.34
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	13	1.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	6	1.34
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	6	1.34
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	6	1.34
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	6	1.34
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	6	1.34
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	6	1.34
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	6	1.34
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	6	1.34
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	6	1.34
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	15	1.34
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	15	1.34
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	15	1.34
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	15	1.34
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	15	1.34
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	15	1.34
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	15	1.34
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	15	1.34
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	15	1.34
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	1	1.34
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	1	1.34
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	1	1.34
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	14	1.34
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	14	1.34
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	14	1.34
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	4	1.34
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	4	1.34
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	4	1.34
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	4	1.34
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	4	1.34
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	6	1.34
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	6	1.34
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	6	1.34
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	18	1.34
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	18	1.34
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	18	1.34
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	10	1.34
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	10	1.34
(1,933)	1:166:A:VAL:HG11	1:225:A:TYR:HB3	1	1.34
(1,933)	1:166:A:VAL:HG12	1:225:A:TYR:HB3	1	1.34
(1,933)	1:166:A:VAL:HG13	1:225:A:TYR:HB3	1	1.34
(1,875)	1:222:A:SER:HB3	1:223:A:GLN:HA	13	1.34
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	9	1.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	9	1.34
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	9	1.34
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	13	1.34
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	13	1.34
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	13	1.34
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	6	1.34
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	6	1.34
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	6	1.34
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	6	1.34
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	6	1.34
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	6	1.34
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	6	1.34
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	6	1.34
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	6	1.34
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	15	1.34
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	15	1.34
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	15	1.34
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	15	1.34
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	15	1.34
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	15	1.34
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	15	1.34
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	15	1.34
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	15	1.34
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	1	1.34
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	1	1.34
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	1	1.34
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	9	1.33
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	9	1.33
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	9	1.33
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	9	1.33
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	9	1.33
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	9	1.33
(1,5851)	1:171:A:ASN:HD22	1:174:A:ASN:HD22	6	1.33
(1,5769)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	11	1.33
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	5	1.33
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	5	1.33
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	5	1.33
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	6	1.33
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	11	1.33
(1,4044)	1:222:A:SER:HB3	1:223:A:GLN:HA	2	1.33
(1,4044)	1:222:A:SER:HB3	1:223:A:GLN:HA	8	1.33
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	17	1.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	17	1.33
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	17	1.33
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	17	1.33
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	17	1.33
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	17	1.33
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	16	1.33
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	16	1.33
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	16	1.33
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	5	1.33
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	5	1.33
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	5	1.33
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	9	1.33
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	9	1.33
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	9	1.33
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	9	1.33
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	9	1.33
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	9	1.33
(1,2682)	1:171:A:ASN:HD22	1:174:A:ASN:HD22	6	1.33
(1,2600)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	11	1.33
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	5	1.33
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	5	1.33
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	5	1.33
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	6	1.33
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	11	1.33
(1,875)	1:222:A:SER:HB3	1:223:A:GLN:HA	2	1.33
(1,875)	1:222:A:SER:HB3	1:223:A:GLN:HA	8	1.33
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	17	1.33
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	17	1.33
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	17	1.33
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	17	1.33
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	17	1.33
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	17	1.33
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	16	1.33
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	16	1.33
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	16	1.33
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	5	1.33
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	5	1.33
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	5	1.33
(1,6018)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	1	1.32
(1,6018)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	1	1.32
(1,6018)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	1	1.32
(1,6018)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	1	1.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6018)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	1	1.32
(1,6018)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	1	1.32
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	20	1.32
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	20	1.32
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	20	1.32
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	11	1.32
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	11	1.32
(1,4990)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	9	1.32
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	20	1.32
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	19	1.32
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	19	1.32
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	19	1.32
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	20	1.32
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	20	1.32
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	20	1.32
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	9	1.32
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	9	1.32
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	9	1.32
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	9	1.32
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	9	1.32
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	9	1.32
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	9	1.32
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	9	1.32
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	9	1.32
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	8	1.32
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	8	1.32
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	8	1.32
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	11	1.32
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	11	1.32
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	11	1.32
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	7	1.32
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	7	1.32
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	7	1.32
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	7	1.32
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	7	1.32
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	7	1.32
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	7	1.32
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	7	1.32
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	7	1.32
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	13	1.32
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	13	1.32
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	13	1.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2849)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	1	1.32
(1,2849)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	1	1.32
(1,2849)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	1	1.32
(1,2849)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	1	1.32
(1,2849)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	1	1.32
(1,2849)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	1	1.32
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	20	1.32
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	20	1.32
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	20	1.32
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	11	1.32
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	11	1.32
(1,1821)	1:165:A:PRO:HG3	1:168:A:GLN:HB2	9	1.32
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	20	1.32
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	19	1.32
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	19	1.32
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	19	1.32
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	20	1.32
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	20	1.32
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	20	1.32
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	9	1.32
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	9	1.32
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	9	1.32
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	9	1.32
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	9	1.32
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	9	1.32
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	9	1.32
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	9	1.32
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	9	1.32
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	8	1.32
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	8	1.32
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	8	1.32
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	11	1.32
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	11	1.32
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	11	1.32
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	7	1.32
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	7	1.32
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	7	1.32
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	7	1.32
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	7	1.32
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	7	1.32
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	7	1.32
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	7	1.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	7	1.32
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	13	1.32
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	13	1.32
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	13	1.32
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	20	1.31
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	20	1.31
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	20	1.31
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	20	1.31
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	20	1.31
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	20	1.31
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	7	1.31
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	16	1.31
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	11	1.31
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	13	1.31
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	19	1.31
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	13	1.31
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	17	1.31
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	2	1.31
(1,4044)	1:222:A:SER:HB3	1:223:A:GLN:HA	15	1.31
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	3	1.31
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	3	1.31
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	3	1.31
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	10	1.31
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	10	1.31
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	10	1.31
(1,3432)	1:130:A:LEU:HD11	1:161:A:VAL:HA	6	1.31
(1,3432)	1:130:A:LEU:HD12	1:161:A:VAL:HA	6	1.31
(1,3432)	1:130:A:LEU:HD13	1:161:A:VAL:HA	6	1.31
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	14	1.31
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	14	1.31
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	14	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	4	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	4	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	4	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	4	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	4	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	4	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	4	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	4	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	4	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	18	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	18	1.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	18	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	18	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	18	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	18	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	18	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	18	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	18	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	20	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	20	1.31
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	20	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	20	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	20	1.31
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	20	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	20	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	20	1.31
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	20	1.31
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	20	1.31
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	20	1.31
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	20	1.31
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	20	1.31
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	20	1.31
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	20	1.31
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	7	1.31
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	16	1.31
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	11	1.31
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	13	1.31
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	19	1.31
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	13	1.31
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	17	1.31
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	2	1.31
(1,875)	1:222:A:SER:HB3	1:223:A:GLN:HA	15	1.31
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	3	1.31
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	3	1.31
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	3	1.31
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	10	1.31
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	10	1.31
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	10	1.31
(1,263)	1:130:A:LEU:HD11	1:161:A:VAL:HA	6	1.31
(1,263)	1:130:A:LEU:HD12	1:161:A:VAL:HA	6	1.31
(1,263)	1:130:A:LEU:HD13	1:161:A:VAL:HA	6	1.31
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	14	1.31
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	14	1.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	14	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	4	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	4	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	4	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	4	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	4	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	4	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	4	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	4	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	4	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	18	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	18	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	18	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	18	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	18	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	18	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	18	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	18	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	18	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	20	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	20	1.31
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	20	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	20	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	20	1.31
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	20	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	20	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	20	1.31
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	20	1.31
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	12	1.3
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	12	1.3
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	12	1.3
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	12	1.3
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	12	1.3
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	12	1.3
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	13	1.3
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	13	1.3
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	13	1.3
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	16	1.3
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	12	1.3
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	12	1.3
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	12	1.3
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	14	1.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	14	1.3
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	14	1.3
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	14	1.3
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	14	1.3
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	14	1.3
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	14	1.3
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	14	1.3
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	14	1.3
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	9	1.3
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	9	1.3
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	9	1.3
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	16	1.3
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	16	1.3
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	16	1.3
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	16	1.3
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	16	1.3
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	16	1.3
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	16	1.3
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	16	1.3
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	16	1.3
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	3	1.3
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	3	1.3
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	3	1.3
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	3	1.3
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	3	1.3
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	3	1.3
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	3	1.3
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	3	1.3
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	3	1.3
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	9	1.3
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	9	1.3
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	9	1.3
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	9	1.3
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	9	1.3
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	9	1.3
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	9	1.3
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	9	1.3
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	9	1.3
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	17	1.3
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	17	1.3
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	17	1.3
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	17	1.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	17	1.3
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	17	1.3
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	17	1.3
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	17	1.3
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	17	1.3
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	12	1.3
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	12	1.3
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	12	1.3
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	12	1.3
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	12	1.3
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	12	1.3
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	13	1.3
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	13	1.3
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	13	1.3
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	16	1.3
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	12	1.3
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	12	1.3
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	12	1.3
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	14	1.3
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	14	1.3
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	14	1.3
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	14	1.3
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	14	1.3
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	14	1.3
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	14	1.3
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	14	1.3
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	14	1.3
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	9	1.3
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	9	1.3
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	9	1.3
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	16	1.3
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	16	1.3
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	16	1.3
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	16	1.3
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	16	1.3
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	16	1.3
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	16	1.3
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	16	1.3
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	16	1.3
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	3	1.3
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	3	1.3
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	3	1.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	3	1.3
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	3	1.3
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	3	1.3
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	3	1.3
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	3	1.3
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	3	1.3
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	9	1.3
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	9	1.3
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	9	1.3
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	9	1.3
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	9	1.3
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	9	1.3
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	9	1.3
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	9	1.3
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	9	1.3
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	17	1.3
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	17	1.3
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	17	1.3
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	17	1.3
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	17	1.3
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	17	1.3
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	17	1.3
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	17	1.3
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	17	1.3
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	12	1.29
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	15	1.29
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	15	1.29
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	15	1.29
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	15	1.29
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	15	1.29
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	15	1.29
(1,5870)	1:130:A:LEU:HD11	1:163:A:TYR:H	4	1.29
(1,5870)	1:130:A:LEU:HD12	1:163:A:TYR:H	4	1.29
(1,5870)	1:130:A:LEU:HD13	1:163:A:TYR:H	4	1.29
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	2	1.29
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	2	1.29
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	2	1.29
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	18	1.29
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	18	1.29
(1,4880)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	11	1.29
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	15	1.29
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	5	1.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	6	1.29
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	10	1.29
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	10	1.29
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	10	1.29
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	14	1.29
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	14	1.29
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	14	1.29
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	17	1.29
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	17	1.29
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	17	1.29
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	16	1.29
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	16	1.29
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	16	1.29
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	16	1.29
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	16	1.29
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	16	1.29
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	16	1.29
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	16	1.29
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	16	1.29
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	12	1.29
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	15	1.29
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	15	1.29
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	15	1.29
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	15	1.29
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	15	1.29
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	15	1.29
(1,2701)	1:130:A:LEU:HD11	1:163:A:TYR:H	4	1.29
(1,2701)	1:130:A:LEU:HD12	1:163:A:TYR:H	4	1.29
(1,2701)	1:130:A:LEU:HD13	1:163:A:TYR:H	4	1.29
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	2	1.29
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	2	1.29
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	2	1.29
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	18	1.29
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	18	1.29
(1,1711)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	11	1.29
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	15	1.29
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	5	1.29
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	6	1.29
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	10	1.29
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	10	1.29
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	10	1.29
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	14	1.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	14	1.29
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	14	1.29
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	17	1.29
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	17	1.29
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	17	1.29
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	16	1.29
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	16	1.29
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	16	1.29
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	16	1.29
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	16	1.29
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	16	1.29
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	16	1.29
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	16	1.29
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	16	1.29
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	16	1.28
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	16	1.28
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	16	1.28
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	16	1.28
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	16	1.28
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	16	1.28
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	16	1.28
(1,4956)	1:148:A:ARG:HG3	1:152:A:GLU:H	18	1.28
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	20	1.28
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD21	6	1.28
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD22	6	1.28
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD23	6	1.28
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD21	6	1.28
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD22	6	1.28
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD23	6	1.28
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	8	1.28
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	8	1.28
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	8	1.28
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	8	1.28
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	8	1.28
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	8	1.28
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	8	1.28
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	8	1.28
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	8	1.28
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	9	1.28
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	9	1.28
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	9	1.28
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	16	1.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	16	1.28
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	16	1.28
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	16	1.28
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	16	1.28
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	16	1.28
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	16	1.28
(1,1787)	1:148:A:ARG:HG3	1:152:A:GLU:H	18	1.28
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	20	1.28
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD21	6	1.28
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD22	6	1.28
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD23	6	1.28
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD21	6	1.28
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD22	6	1.28
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD23	6	1.28
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	8	1.28
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	8	1.28
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	8	1.28
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	8	1.28
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	8	1.28
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	8	1.28
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	8	1.28
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	8	1.28
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	8	1.28
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	9	1.28
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	9	1.28
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	9	1.28
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	10	1.27
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	2	1.27
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	2	1.27
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	2	1.27
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	1	1.27
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	1	1.27
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	1	1.27
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	13	1.27
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	13	1.27
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	13	1.27
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	10	1.27
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	8	1.27
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	15	1.27
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	15	1.27
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	15	1.27
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	16	1.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	16	1.27
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	16	1.27
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	16	1.27
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	16	1.27
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	16	1.27
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	16	1.27
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	16	1.27
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	16	1.27
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	13	1.27
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	13	1.27
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	13	1.27
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG11	18	1.27
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG12	18	1.27
(1,3220)	1:180:A:VAL:HA	1:210:A:VAL:HG13	18	1.27
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	19	1.27
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	19	1.27
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	19	1.27
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	10	1.27
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	2	1.27
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	2	1.27
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	2	1.27
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	1	1.27
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	1	1.27
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	1	1.27
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	13	1.27
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	13	1.27
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	13	1.27
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	10	1.27
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	8	1.27
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	15	1.27
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	15	1.27
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	15	1.27
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	16	1.27
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	16	1.27
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	16	1.27
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	16	1.27
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	16	1.27
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	16	1.27
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	16	1.27
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	16	1.27
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	16	1.27
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	13	1.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	13	1.27
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	13	1.27
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG11	18	1.27
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG12	18	1.27
(1,51)	1:180:A:VAL:HA	1:210:A:VAL:HG13	18	1.27
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	19	1.27
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	19	1.27
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	19	1.27
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	3	1.26
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	3	1.26
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	3	1.26
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	10	1.26
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	10	1.26
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	10	1.26
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	19	1.26
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	1	1.26
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	18	1.26
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	8	1.26
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	15	1.26
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	9	1.26
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	1	1.26
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	1	1.26
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	1	1.26
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	1	1.26
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	1	1.26
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	1	1.26
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	1	1.26
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	1	1.26
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	1	1.26
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	18	1.26
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	18	1.26
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	18	1.26
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	18	1.26
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	18	1.26
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	18	1.26
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	18	1.26
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	18	1.26
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	18	1.26
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	3	1.26
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	3	1.26
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	3	1.26
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	10	1.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	10	1.26
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	10	1.26
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	19	1.26
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	1	1.26
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	18	1.26
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	8	1.26
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	15	1.26
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	9	1.26
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	1	1.26
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	1	1.26
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	1	1.26
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	1	1.26
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	1	1.26
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	1	1.26
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	1	1.26
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	1	1.26
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	1	1.26
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	18	1.26
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	18	1.26
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	18	1.26
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	18	1.26
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	18	1.26
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	18	1.26
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	18	1.26
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	18	1.26
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	18	1.26
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	11	1.25
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	14	1.25
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	14	1.25
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	14	1.25
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	14	1.25
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	14	1.25
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	14	1.25
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	8	1.25
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	5	1.25
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	5	1.25
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	5	1.25
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	5	1.25
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	16	1.25
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	15	1.25
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	15	1.25
(1,4685)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	15	1.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	13	1.25
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	20	1.25
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	6	1.25
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	6	1.25
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	6	1.25
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	3	1.25
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	3	1.25
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	3	1.25
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	3	1.25
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	3	1.25
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	3	1.25
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	3	1.25
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	3	1.25
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	3	1.25
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	5	1.25
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	5	1.25
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	5	1.25
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	5	1.25
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	5	1.25
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	5	1.25
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	5	1.25
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	5	1.25
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	5	1.25
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	1	1.25
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	1	1.25
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	1	1.25
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	13	1.25
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	13	1.25
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	13	1.25
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	11	1.25
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	14	1.25
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	14	1.25
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	14	1.25
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	14	1.25
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	14	1.25
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	14	1.25
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	8	1.25
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	5	1.25
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	5	1.25
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	5	1.25
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	5	1.25
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	16	1.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG21	15	1.25
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG22	15	1.25
(1,1516)	1:158:A:PRO:HB2	1:209:A:VAL:HG23	15	1.25
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	13	1.25
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	20	1.25
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	6	1.25
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	6	1.25
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	6	1.25
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	3	1.25
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	3	1.25
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	3	1.25
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	3	1.25
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	3	1.25
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	3	1.25
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	3	1.25
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	3	1.25
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	3	1.25
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	5	1.25
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	5	1.25
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	5	1.25
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	5	1.25
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	5	1.25
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	5	1.25
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	5	1.25
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	5	1.25
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	5	1.25
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	1	1.25
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	1	1.25
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	1	1.25
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	13	1.25
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	13	1.25
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	13	1.25
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	7	1.24
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	7	1.24
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	7	1.24
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	7	1.24
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	7	1.24
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	7	1.24
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	11	1.24
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	11	1.24
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	11	1.24
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	8	1.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	9	1.24
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	11	1.24
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	13	1.24
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	13	1.24
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	13	1.24
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE1	18	1.24
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE2	18	1.24
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE3	18	1.24
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	9	1.24
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	9	1.24
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	9	1.24
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	2	1.24
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	2	1.24
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	2	1.24
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	6	1.24
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	6	1.24
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	6	1.24
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	6	1.24
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	6	1.24
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	6	1.24
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	6	1.24
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	6	1.24
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	6	1.24
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	4	1.24
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	4	1.24
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	4	1.24
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	7	1.24
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	7	1.24
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	7	1.24
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	7	1.24
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	7	1.24
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	7	1.24
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	11	1.24
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	11	1.24
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	11	1.24
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	8	1.24
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	9	1.24
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	11	1.24
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	13	1.24
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	13	1.24
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	13	1.24
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE1	18	1.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE2	18	1.24
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE3	18	1.24
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	9	1.24
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	9	1.24
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	9	1.24
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	2	1.24
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	2	1.24
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	2	1.24
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	6	1.24
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	6	1.24
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	6	1.24
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	6	1.24
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	6	1.24
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	6	1.24
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	6	1.24
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	6	1.24
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	6	1.24
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	4	1.24
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	4	1.24
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	4	1.24
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	1	1.23
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	1	1.23
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	6	1.23
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	11	1.23
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	11	1.23
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	10	1.23
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	2	1.23
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	8	1.23
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	8	1.23
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	8	1.23
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	12	1.23
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	12	1.23
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	12	1.23
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	18	1.23
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	18	1.23
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	18	1.23
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	20	1.23
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	20	1.23
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	20	1.23
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	10	1.23
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	10	1.23
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	10	1.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	10	1.23
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	10	1.23
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	10	1.23
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	10	1.23
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	10	1.23
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	10	1.23
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	1	1.23
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	1	1.23
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	6	1.23
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	11	1.23
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	11	1.23
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	10	1.23
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	2	1.23
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	8	1.23
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	8	1.23
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	8	1.23
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	12	1.23
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	12	1.23
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	12	1.23
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	18	1.23
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	18	1.23
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	18	1.23
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	20	1.23
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	20	1.23
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	20	1.23
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	10	1.23
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	10	1.23
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	10	1.23
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	10	1.23
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	10	1.23
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	10	1.23
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	10	1.23
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	10	1.23
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	10	1.23
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	8	1.22
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	8	1.22
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	8	1.22
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	8	1.22
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	8	1.22
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	8	1.22
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	19	1.22
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	19	1.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	19	1.22
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	19	1.22
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	19	1.22
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	19	1.22
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG11	6	1.22
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG12	6	1.22
(1,5203)	1:198:A:PHE:H	1:203:A:VAL:HG13	6	1.22
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	9	1.22
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	9	1.22
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	6	1.22
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	7	1.22
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	12	1.22
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	5	1.22
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	5	1.22
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	5	1.22
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	15	1.22
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	15	1.22
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	15	1.22
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	19	1.22
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	5	1.22
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	5	1.22
(1,3575)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	5	1.22
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	4	1.22
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	4	1.22
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	4	1.22
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	4	1.22
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	4	1.22
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	4	1.22
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	13	1.22
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	13	1.22
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	13	1.22
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	8	1.22
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	8	1.22
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	8	1.22
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	8	1.22
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	8	1.22
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	8	1.22
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	19	1.22
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	19	1.22
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	19	1.22
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	19	1.22
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	19	1.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	19	1.22
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG11	6	1.22
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG12	6	1.22
(1,2034)	1:198:A:PHE:H	1:203:A:VAL:HG13	6	1.22
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	9	1.22
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	9	1.22
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	6	1.22
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	7	1.22
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	12	1.22
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	5	1.22
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	5	1.22
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	5	1.22
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	15	1.22
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	15	1.22
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	15	1.22
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	19	1.22
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG21	5	1.22
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG22	5	1.22
(1,406)	1:158:A:PRO:HG2	1:209:A:VAL:HG23	5	1.22
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	4	1.22
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	4	1.22
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	4	1.22
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	4	1.22
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	4	1.22
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	4	1.22
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	13	1.22
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	13	1.22
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	13	1.22
(1,6069)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	20	1.21
(1,6069)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	20	1.21
(1,6069)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	20	1.21
(1,6069)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	20	1.21
(1,6069)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	20	1.21
(1,6069)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	20	1.21
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	4	1.21
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	4	1.21
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	4	1.21
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	4	1.21
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	4	1.21
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	4	1.21
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	17	1.21
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	17	1.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	17	1.21
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	17	1.21
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	17	1.21
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	17	1.21
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	9	1.21
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	9	1.21
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	9	1.21
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	8	1.21
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	2	1.21
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	2	1.21
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	2	1.21
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	16	1.21
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	16	1.21
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	16	1.21
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	2	1.21
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	2	1.21
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	2	1.21
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	5	1.21
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	5	1.21
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	5	1.21
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	5	1.21
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	5	1.21
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	5	1.21
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	19	1.21
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	19	1.21
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	19	1.21
(1,2900)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	20	1.21
(1,2900)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	20	1.21
(1,2900)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	20	1.21
(1,2900)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	20	1.21
(1,2900)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	20	1.21
(1,2900)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	20	1.21
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	4	1.21
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	4	1.21
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	4	1.21
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	4	1.21
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	4	1.21
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	4	1.21
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	17	1.21
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	17	1.21
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	17	1.21
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	17	1.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	17	1.21
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	17	1.21
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	9	1.21
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	9	1.21
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	9	1.21
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	8	1.21
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	2	1.21
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	2	1.21
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	2	1.21
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	16	1.21
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	16	1.21
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	16	1.21
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	2	1.21
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	2	1.21
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	2	1.21
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	5	1.21
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	5	1.21
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	5	1.21
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	5	1.21
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	5	1.21
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	5	1.21
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	19	1.21
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	19	1.21
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	19	1.21
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	13	1.2
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	6	1.2
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	6	1.2
(1,5978)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	6	1.2
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	6	1.2
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	6	1.2
(1,5978)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	6	1.2
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	7	1.2
(1,5766)	1:130:A:LEU:HD11	1:160:A:GLN:H	7	1.2
(1,5766)	1:130:A:LEU:HD12	1:160:A:GLN:H	7	1.2
(1,5766)	1:130:A:LEU:HD13	1:160:A:GLN:H	7	1.2
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	14	1.2
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	14	1.2
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	14	1.2
(1,5363)	1:161:A:VAL:HG21	1:218:A:TYR:H	18	1.2
(1,5363)	1:161:A:VAL:HG22	1:218:A:TYR:H	18	1.2
(1,5363)	1:161:A:VAL:HG23	1:218:A:TYR:H	18	1.2
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	20	1.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	19	1.2
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	1	1.2
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	2	1.2
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	2	1.2
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	2	1.2
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	5	1.2
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	5	1.2
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	5	1.2
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	6	1.2
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	12	1.2
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	15	1.2
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	15	1.2
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	15	1.2
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	20	1.2
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	20	1.2
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	20	1.2
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	1	1.2
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	1	1.2
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	1	1.2
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	3	1.2
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	3	1.2
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	3	1.2
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	6	1.2
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	6	1.2
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	6	1.2
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	9	1.2
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	9	1.2
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	9	1.2
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	11	1.2
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	11	1.2
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	11	1.2
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	16	1.2
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	16	1.2
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	16	1.2
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	19	1.2
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	19	1.2
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	19	1.2
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	2	1.2
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	2	1.2
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	2	1.2
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	20	1.2
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	20	1.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	20	1.2
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	13	1.2
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG11	6	1.2
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG12	6	1.2
(1,2809)	1:150:A:TYR:HD1	1:209:A:VAL:HG13	6	1.2
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG11	6	1.2
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG12	6	1.2
(1,2809)	1:150:A:TYR:HD2	1:209:A:VAL:HG13	6	1.2
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	7	1.2
(1,2597)	1:130:A:LEU:HD11	1:160:A:GLN:H	7	1.2
(1,2597)	1:130:A:LEU:HD12	1:160:A:GLN:H	7	1.2
(1,2597)	1:130:A:LEU:HD13	1:160:A:GLN:H	7	1.2
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	14	1.2
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	14	1.2
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	14	1.2
(1,2194)	1:161:A:VAL:HG21	1:218:A:TYR:H	18	1.2
(1,2194)	1:161:A:VAL:HG22	1:218:A:TYR:H	18	1.2
(1,2194)	1:161:A:VAL:HG23	1:218:A:TYR:H	18	1.2
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	20	1.2
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	19	1.2
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	1	1.2
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	2	1.2
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	2	1.2
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	2	1.2
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	5	1.2
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	5	1.2
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	5	1.2
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	6	1.2
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	12	1.2
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	15	1.2
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	15	1.2
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	15	1.2
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	20	1.2
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	20	1.2
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	20	1.2
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	1	1.2
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	1	1.2
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	1	1.2
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	3	1.2
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	3	1.2
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	3	1.2
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	6	1.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	6	1.2
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	6	1.2
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	9	1.2
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	9	1.2
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	9	1.2
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	11	1.2
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	11	1.2
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	11	1.2
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	16	1.2
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	16	1.2
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	16	1.2
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	19	1.2
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	19	1.2
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	19	1.2
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	2	1.2
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	2	1.2
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	2	1.2
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	20	1.2
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	20	1.2
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	20	1.2
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	16	1.19
(1,6023)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	1	1.19
(1,6023)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	1	1.19
(1,6023)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	1	1.19
(1,6023)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	1	1.19
(1,6023)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	1	1.19
(1,6023)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	1	1.19
(1,5961)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	17	1.19
(1,5961)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	17	1.19
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	19	1.19
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	19	1.19
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	19	1.19
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	1	1.19
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	20	1.19
(1,4880)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	7	1.19
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	2	1.19
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	3	1.19
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	17	1.19
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	1	1.19
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	1	1.19
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	1	1.19
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	14	1.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	14	1.19
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	14	1.19
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	15	1.19
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	5	1.19
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	5	1.19
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	5	1.19
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	5	1.19
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	5	1.19
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	5	1.19
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	14	1.19
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	14	1.19
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	14	1.19
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	16	1.19
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	16	1.19
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	16	1.19
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	3	1.19
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	3	1.19
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	3	1.19
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	14	1.19
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	14	1.19
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	14	1.19
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	14	1.19
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	14	1.19
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	14	1.19
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	14	1.19
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	14	1.19
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	14	1.19
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	16	1.19
(1,2854)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	1	1.19
(1,2854)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	1	1.19
(1,2854)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	1	1.19
(1,2854)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	1	1.19
(1,2854)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	1	1.19
(1,2854)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	1	1.19
(1,2792)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	17	1.19
(1,2792)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	17	1.19
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	19	1.19
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	19	1.19
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	19	1.19
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	1	1.19
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	20	1.19
(1,1711)	1:171:A:ASN:HB3	1:172:A:GLN:HB3	7	1.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	2	1.19
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	3	1.19
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	17	1.19
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	1	1.19
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	1	1.19
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	1	1.19
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	14	1.19
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	14	1.19
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	14	1.19
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	15	1.19
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	5	1.19
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	5	1.19
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	5	1.19
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	5	1.19
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	5	1.19
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	5	1.19
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	14	1.19
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	14	1.19
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	14	1.19
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	16	1.19
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	16	1.19
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	16	1.19
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	3	1.19
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	3	1.19
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	3	1.19
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	14	1.19
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	14	1.19
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	14	1.19
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	14	1.19
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	14	1.19
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	14	1.19
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	14	1.19
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	14	1.19
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	14	1.19
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	15	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	15	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	15	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	16	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	16	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	16	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	17	1.18
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	17	1.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	17	1.18
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	17	1.18
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	17	1.18
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	17	1.18
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	20	1.18
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	3	1.18
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	20	1.18
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	8	1.18
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	8	1.18
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	8	1.18
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	11	1.18
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	11	1.18
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	11	1.18
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	4	1.18
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	4	1.18
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	4	1.18
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	12	1.18
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	12	1.18
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	12	1.18
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	2	1.18
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	2	1.18
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	2	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	15	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	15	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	15	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	16	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	16	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	16	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	17	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	17	1.18
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	17	1.18
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	17	1.18
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	17	1.18
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	17	1.18
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	20	1.18
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	3	1.18
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	20	1.18
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	8	1.18
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	8	1.18
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	8	1.18
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	11	1.18
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	11	1.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	11	1.18
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	4	1.18
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	4	1.18
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	4	1.18
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	12	1.18
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	12	1.18
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	12	1.18
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	2	1.18
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	2	1.18
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	2	1.18
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	20	1.17
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	20	1.17
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	20	1.17
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	20	1.17
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	20	1.17
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	20	1.17
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	5	1.17
(1,5775)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	10	1.17
(1,5775)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	10	1.17
(1,5775)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	10	1.17
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	10	1.17
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	10	1.17
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	10	1.17
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	12	1.17
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	12	1.17
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	12	1.17
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	10	1.17
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	15	1.17
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	7	1.17
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	10	1.17
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	10	1.17
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	5	1.17
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	16	1.17
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	15	1.17
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	15	1.17
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	15	1.17
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	8	1.17
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	8	1.17
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	8	1.17
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	10	1.17
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	10	1.17
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	10	1.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	13	1.17
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	13	1.17
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	13	1.17
(1,3432)	1:130:A:LEU:HD11	1:161:A:VAL:HA	7	1.17
(1,3432)	1:130:A:LEU:HD12	1:161:A:VAL:HA	7	1.17
(1,3432)	1:130:A:LEU:HD13	1:161:A:VAL:HA	7	1.17
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	11	1.17
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	11	1.17
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	11	1.17
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	11	1.17
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	11	1.17
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	11	1.17
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	15	1.17
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	15	1.17
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	15	1.17
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	20	1.17
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	20	1.17
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	20	1.17
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	20	1.17
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	20	1.17
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	20	1.17
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	5	1.17
(1,2606)	1:161:A:VAL:HG21	1:217:A:GLN:HE21	10	1.17
(1,2606)	1:161:A:VAL:HG22	1:217:A:GLN:HE21	10	1.17
(1,2606)	1:161:A:VAL:HG23	1:217:A:GLN:HE21	10	1.17
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	10	1.17
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	10	1.17
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	10	1.17
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	12	1.17
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	12	1.17
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	12	1.17
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	10	1.17
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	15	1.17
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	7	1.17
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	10	1.17
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	10	1.17
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	5	1.17
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	16	1.17
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	15	1.17
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	15	1.17
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	15	1.17
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	8	1.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	8	1.17
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	8	1.17
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	10	1.17
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	10	1.17
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	10	1.17
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	13	1.17
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	13	1.17
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	13	1.17
(1,263)	1:130:A:LEU:HD11	1:161:A:VAL:HA	7	1.17
(1,263)	1:130:A:LEU:HD12	1:161:A:VAL:HA	7	1.17
(1,263)	1:130:A:LEU:HD13	1:161:A:VAL:HA	7	1.17
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	11	1.17
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	11	1.17
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	11	1.17
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	11	1.17
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	11	1.17
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	11	1.17
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	15	1.17
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	15	1.17
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	15	1.17
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	3	1.16
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	8	1.16
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	1	1.16
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	1	1.16
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	1	1.16
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	6	1.16
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	6	1.16
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	6	1.16
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	14	1.16
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	14	1.16
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	14	1.16
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	16	1.16
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	16	1.16
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	16	1.16
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	17	1.16
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	17	1.16
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	17	1.16
(1,4774)	1:136:A:ARG:HG2	1:154:A:MET:HB3	20	1.16
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	13	1.16
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	18	1.16
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	17	1.16
(1,4137)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	8	1.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	7	1.16
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	7	1.16
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	7	1.16
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	20	1.16
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	12	1.16
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	12	1.16
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	12	1.16
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	13	1.16
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	13	1.16
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	13	1.16
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	3	1.16
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	8	1.16
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	1	1.16
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	1	1.16
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	1	1.16
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	6	1.16
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	6	1.16
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	6	1.16
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	14	1.16
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	14	1.16
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	14	1.16
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	16	1.16
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	16	1.16
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	16	1.16
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	17	1.16
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	17	1.16
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	17	1.16
(1,1605)	1:136:A:ARG:HG2	1:154:A:MET:HB3	20	1.16
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	13	1.16
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	18	1.16
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	17	1.16
(1,968)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	8	1.16
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	7	1.16
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	7	1.16
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	7	1.16
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	20	1.16
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	12	1.16
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	12	1.16
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	12	1.16
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	13	1.16
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	13	1.16
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	13	1.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	10	1.15
(1,6069)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	1	1.15
(1,6069)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	1	1.15
(1,6069)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	1	1.15
(1,6069)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	1	1.15
(1,6069)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	1	1.15
(1,6069)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	1	1.15
(1,6023)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	20	1.15
(1,6023)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	20	1.15
(1,6023)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	20	1.15
(1,6023)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	20	1.15
(1,6023)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	20	1.15
(1,6023)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	20	1.15
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	12	1.15
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	12	1.15
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	12	1.15
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	18	1.15
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	3	1.15
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	1	1.15
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	12	1.15
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	4	1.15
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	8	1.15
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	8	1.15
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	8	1.15
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	8	1.15
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	8	1.15
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	8	1.15
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	2	1.15
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	8	1.15
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	8	1.15
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	8	1.15
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	19	1.15
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	10	1.15
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	10	1.15
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	10	1.15
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	9	1.15
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	9	1.15
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	9	1.15
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	10	1.15
(1,2900)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	1	1.15
(1,2900)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	1	1.15
(1,2900)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	1	1.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2900)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	1	1.15
(1,2900)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	1	1.15
(1,2900)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	1	1.15
(1,2854)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	20	1.15
(1,2854)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	20	1.15
(1,2854)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	20	1.15
(1,2854)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	20	1.15
(1,2854)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	20	1.15
(1,2854)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	20	1.15
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	12	1.15
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	12	1.15
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	12	1.15
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	18	1.15
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	3	1.15
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	1	1.15
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	12	1.15
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	4	1.15
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	8	1.15
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	8	1.15
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	8	1.15
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	8	1.15
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	8	1.15
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	8	1.15
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	2	1.15
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	8	1.15
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	8	1.15
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	8	1.15
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	19	1.15
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	10	1.15
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	10	1.15
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	10	1.15
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	9	1.15
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	9	1.15
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	9	1.15
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	1	1.14
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	18	1.14
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	1	1.14
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	1	1.14
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	1	1.14
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	15	1.14
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	15	1.14
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	15	1.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	7	1.14
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	15	1.14
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	6	1.14
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	6	1.14
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	6	1.14
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	6	1.14
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	6	1.14
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	6	1.14
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	11	1.14
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	8	1.14
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	3	1.14
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	3	1.14
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	3	1.14
(1,4102)	1:166:A:VAL:HG11	1:225:A:TYR:HB3	20	1.14
(1,4102)	1:166:A:VAL:HG12	1:225:A:TYR:HB3	20	1.14
(1,4102)	1:166:A:VAL:HG13	1:225:A:TYR:HB3	20	1.14
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	7	1.14
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	7	1.14
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	7	1.14
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	19	1.14
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	19	1.14
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	19	1.14
(1,3722)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	6	1.14
(1,3722)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	6	1.14
(1,3722)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	6	1.14
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	18	1.14
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	18	1.14
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	18	1.14
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	14	1.14
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	14	1.14
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	14	1.14
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	10	1.14
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	10	1.14
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	10	1.14
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	14	1.14
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	14	1.14
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	14	1.14
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	1	1.14
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	18	1.14
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	1	1.14
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	1	1.14
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	1	1.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	15	1.14
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	15	1.14
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	15	1.14
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	7	1.14
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	15	1.14
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	6	1.14
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	6	1.14
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	6	1.14
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	6	1.14
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	6	1.14
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	6	1.14
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	11	1.14
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	8	1.14
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	3	1.14
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	3	1.14
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	3	1.14
(1,933)	1:166:A:VAL:HG11	1:225:A:TYR:HB3	20	1.14
(1,933)	1:166:A:VAL:HG12	1:225:A:TYR:HB3	20	1.14
(1,933)	1:166:A:VAL:HG13	1:225:A:TYR:HB3	20	1.14
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	7	1.14
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	7	1.14
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	7	1.14
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	19	1.14
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	19	1.14
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	19	1.14
(1,553)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	6	1.14
(1,553)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	6	1.14
(1,553)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	6	1.14
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	18	1.14
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	18	1.14
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	18	1.14
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	14	1.14
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	14	1.14
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	14	1.14
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	10	1.14
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	10	1.14
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	10	1.14
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	14	1.14
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	14	1.14
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	14	1.14
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	3	1.13
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	3	1.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	3	1.13
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	3	1.13
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	3	1.13
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	3	1.13
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	5	1.13
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	7	1.13
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	7	1.13
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	7	1.13
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	13	1.13
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	13	1.13
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	13	1.13
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	14	1.13
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	14	1.13
(1,4967)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	17	1.13
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	10	1.13
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	17	1.13
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	17	1.13
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	3	1.13
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	16	1.13
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	17	1.13
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	17	1.13
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	17	1.13
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	9	1.13
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	9	1.13
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	9	1.13
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	20	1.13
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	8	1.13
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	8	1.13
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	8	1.13
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	19	1.13
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	19	1.13
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	19	1.13
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	13	1.13
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	13	1.13
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	13	1.13
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	12	1.13
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	12	1.13
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	12	1.13
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	9	1.13
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	9	1.13
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	9	1.13
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	10	1.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	10	1.13
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	10	1.13
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	3	1.13
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	3	1.13
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	3	1.13
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	3	1.13
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	3	1.13
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	3	1.13
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	5	1.13
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	7	1.13
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	7	1.13
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	7	1.13
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	13	1.13
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	13	1.13
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	13	1.13
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	14	1.13
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	14	1.13
(1,1798)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	17	1.13
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	10	1.13
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	17	1.13
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	17	1.13
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	3	1.13
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	16	1.13
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	17	1.13
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	17	1.13
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	17	1.13
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	9	1.13
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	9	1.13
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	9	1.13
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	20	1.13
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	8	1.13
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	8	1.13
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	8	1.13
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	19	1.13
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	19	1.13
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	19	1.13
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	13	1.13
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	13	1.13
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	13	1.13
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	12	1.13
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	12	1.13
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	12	1.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	9	1.13
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	9	1.13
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	9	1.13
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	10	1.13
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	10	1.13
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	10	1.13
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	19	1.12
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	19	1.12
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	12	1.12
(1,6018)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	20	1.12
(1,6018)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	20	1.12
(1,6018)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	20	1.12
(1,6018)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	20	1.12
(1,6018)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	20	1.12
(1,6018)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	20	1.12
(1,5949)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	18	1.12
(1,5949)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	18	1.12
(1,5949)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	18	1.12
(1,5949)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	18	1.12
(1,5949)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	18	1.12
(1,5949)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	18	1.12
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	15	1.12
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	19	1.12
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	19	1.12
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	19	1.12
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	19	1.12
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	19	1.12
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	19	1.12
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	16	1.12
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	16	1.12
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	16	1.12
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	19	1.12
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	8	1.12
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	19	1.12
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	19	1.12
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	16	1.12
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	3	1.12
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	16	1.12
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	16	1.12
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	16	1.12
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	16	1.12
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	16	1.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	16	1.12
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	8	1.12
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	20	1.12
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	4	1.12
(1,3722)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	12	1.12
(1,3722)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	12	1.12
(1,3722)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	12	1.12
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	4	1.12
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	4	1.12
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	4	1.12
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	4	1.12
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	4	1.12
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	4	1.12
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	6	1.12
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	6	1.12
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	6	1.12
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	19	1.12
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	19	1.12
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	12	1.12
(1,2849)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	20	1.12
(1,2849)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	20	1.12
(1,2849)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	20	1.12
(1,2849)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	20	1.12
(1,2849)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	20	1.12
(1,2849)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	20	1.12
(1,2780)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	18	1.12
(1,2780)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	18	1.12
(1,2780)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	18	1.12
(1,2780)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	18	1.12
(1,2780)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	18	1.12
(1,2780)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	18	1.12
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	15	1.12
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	19	1.12
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	19	1.12
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	19	1.12
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	19	1.12
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	19	1.12
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	19	1.12
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	16	1.12
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	16	1.12
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	16	1.12
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	19	1.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	8	1.12
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	19	1.12
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	19	1.12
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	16	1.12
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	3	1.12
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	16	1.12
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	16	1.12
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	16	1.12
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	16	1.12
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	16	1.12
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	16	1.12
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	8	1.12
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	20	1.12
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	4	1.12
(1,553)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	12	1.12
(1,553)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	12	1.12
(1,553)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	12	1.12
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	4	1.12
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	4	1.12
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	4	1.12
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	4	1.12
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	4	1.12
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	4	1.12
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	6	1.12
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	6	1.12
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	6	1.12
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	6	1.11
(1,6069)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	14	1.11
(1,6069)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	14	1.11
(1,6069)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	14	1.11
(1,6069)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	14	1.11
(1,6069)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	14	1.11
(1,6069)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	14	1.11
(1,6018)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	14	1.11
(1,6018)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	14	1.11
(1,6018)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	14	1.11
(1,6018)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	14	1.11
(1,6018)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	14	1.11
(1,6018)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	14	1.11
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	14	1.11
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	14	1.11
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	4	1.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	2	1.11
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	2	1.11
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	4	1.11
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	4	1.11
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	6	1.11
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	17	1.11
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	5	1.11
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	5	1.11
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	5	1.11
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	9	1.11
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	7	1.11
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	7	1.11
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	7	1.11
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	19	1.11
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	19	1.11
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	19	1.11
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE1	20	1.11
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE2	20	1.11
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE3	20	1.11
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	15	1.11
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	14	1.11
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	14	1.11
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	14	1.11
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	19	1.11
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	19	1.11
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	19	1.11
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	15	1.11
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	15	1.11
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	15	1.11
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	6	1.11
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	6	1.11
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	6	1.11
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	12	1.11
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	12	1.11
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	12	1.11
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	6	1.11
(1,2900)	1:166:A:VAL:HG21	1:218:A:TYR:HD1	14	1.11
(1,2900)	1:166:A:VAL:HG21	1:218:A:TYR:HD2	14	1.11
(1,2900)	1:166:A:VAL:HG22	1:218:A:TYR:HD1	14	1.11
(1,2900)	1:166:A:VAL:HG22	1:218:A:TYR:HD2	14	1.11
(1,2900)	1:166:A:VAL:HG23	1:218:A:TYR:HD1	14	1.11
(1,2900)	1:166:A:VAL:HG23	1:218:A:TYR:HD2	14	1.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2849)	1:166:A:VAL:HG11	1:225:A:TYR:HD1	14	1.11
(1,2849)	1:166:A:VAL:HG11	1:225:A:TYR:HD2	14	1.11
(1,2849)	1:166:A:VAL:HG12	1:225:A:TYR:HD1	14	1.11
(1,2849)	1:166:A:VAL:HG12	1:225:A:TYR:HD2	14	1.11
(1,2849)	1:166:A:VAL:HG13	1:225:A:TYR:HD1	14	1.11
(1,2849)	1:166:A:VAL:HG13	1:225:A:TYR:HD2	14	1.11
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	14	1.11
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	14	1.11
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	4	1.11
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	2	1.11
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	2	1.11
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	4	1.11
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	4	1.11
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	6	1.11
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	17	1.11
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	5	1.11
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	5	1.11
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	5	1.11
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	9	1.11
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	7	1.11
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	7	1.11
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	7	1.11
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	19	1.11
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	19	1.11
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	19	1.11
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE1	20	1.11
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE2	20	1.11
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE3	20	1.11
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	15	1.11
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	14	1.11
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	14	1.11
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	14	1.11
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	19	1.11
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	19	1.11
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	19	1.11
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	15	1.11
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	15	1.11
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	15	1.11
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	6	1.11
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	6	1.11
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	6	1.11
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	12	1.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	12	1.11
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	12	1.11
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	9	1.1
(1,5870)	1:130:A:LEU:HD11	1:163:A:TYR:H	1	1.1
(1,5870)	1:130:A:LEU:HD12	1:163:A:TYR:H	1	1.1
(1,5870)	1:130:A:LEU:HD13	1:163:A:TYR:H	1	1.1
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	3	1.1
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	3	1.1
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	19	1.1
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	1	1.1
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	1	1.1
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	5	1.1
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	5	1.1
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	17	1.1
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	17	1.1
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	2	1.1
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	12	1.1
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	12	1.1
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	12	1.1
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	12	1.1
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	12	1.1
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	12	1.1
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	18	1.1
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	18	1.1
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	18	1.1
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	1	1.1
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	1	1.1
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	1	1.1
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	5	1.1
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	5	1.1
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	5	1.1
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	6	1.1
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	6	1.1
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	6	1.1
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	13	1.1
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	13	1.1
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	13	1.1
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	10	1.1
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	8	1.1
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	8	1.1
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	8	1.1
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	8	1.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	8	1.1
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	8	1.1
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	8	1.1
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	8	1.1
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	8	1.1
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	18	1.1
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	18	1.1
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	18	1.1
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	18	1.1
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	18	1.1
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	18	1.1
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	18	1.1
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	18	1.1
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	18	1.1
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	15	1.1
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	15	1.1
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	15	1.1
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	20	1.1
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	20	1.1
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	20	1.1
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	20	1.1
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	20	1.1
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	20	1.1
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	8	1.1
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	8	1.1
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	8	1.1
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	9	1.1
(1,2701)	1:130:A:LEU:HD11	1:163:A:TYR:H	1	1.1
(1,2701)	1:130:A:LEU:HD12	1:163:A:TYR:H	1	1.1
(1,2701)	1:130:A:LEU:HD13	1:163:A:TYR:H	1	1.1
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	3	1.1
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	3	1.1
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	19	1.1
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	1	1.1
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	1	1.1
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	5	1.1
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	5	1.1
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	17	1.1
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	17	1.1
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	2	1.1
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	12	1.1
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	12	1.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	12	1.1
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	12	1.1
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	12	1.1
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	12	1.1
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	18	1.1
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	18	1.1
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	18	1.1
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	1	1.1
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	1	1.1
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	1	1.1
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	5	1.1
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	5	1.1
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	5	1.1
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	6	1.1
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	6	1.1
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	6	1.1
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	13	1.1
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	13	1.1
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	13	1.1
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	10	1.1
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	8	1.1
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	8	1.1
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	8	1.1
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	8	1.1
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	8	1.1
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	8	1.1
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	8	1.1
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	8	1.1
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	8	1.1
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	18	1.1
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	18	1.1
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	18	1.1
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	18	1.1
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	18	1.1
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	18	1.1
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	18	1.1
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	18	1.1
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	18	1.1
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	15	1.1
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	15	1.1
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	15	1.1
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	20	1.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	20	1.1
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	20	1.1
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	20	1.1
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	20	1.1
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	20	1.1
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	8	1.1
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	8	1.1
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	8	1.1
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	13	1.09
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	13	1.09
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	18	1.09
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	18	1.09
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	18	1.09
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	18	1.09
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	18	1.09
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	18	1.09
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	18	1.09
(1,5363)	1:161:A:VAL:HG21	1:218:A:TYR:H	15	1.09
(1,5363)	1:161:A:VAL:HG22	1:218:A:TYR:H	15	1.09
(1,5363)	1:161:A:VAL:HG23	1:218:A:TYR:H	15	1.09
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	4	1.09
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	4	1.09
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	4	1.09
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	3	1.09
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	3	1.09
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	12	1.09
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	12	1.09
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	16	1.09
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	6	1.09
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	4	1.09
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	4	1.09
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	4	1.09
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	10	1.09
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	10	1.09
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	10	1.09
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	17	1.09
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	7	1.09
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	7	1.09
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	7	1.09
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	10	1.09
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	10	1.09
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	10	1.09

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	14	1.09
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	14	1.09
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	14	1.09
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	13	1.09
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	13	1.09
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	18	1.09
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	18	1.09
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	18	1.09
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	18	1.09
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	18	1.09
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	18	1.09
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	18	1.09
(1,2194)	1:161:A:VAL:HG21	1:218:A:TYR:H	15	1.09
(1,2194)	1:161:A:VAL:HG22	1:218:A:TYR:H	15	1.09
(1,2194)	1:161:A:VAL:HG23	1:218:A:TYR:H	15	1.09
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	4	1.09
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	4	1.09
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	4	1.09
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	3	1.09
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	3	1.09
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	12	1.09
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	12	1.09
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	16	1.09
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	6	1.09
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	4	1.09
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	4	1.09
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	4	1.09
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	10	1.09
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	10	1.09
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	10	1.09
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	17	1.09
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	7	1.09
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	7	1.09
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	7	1.09
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	10	1.09
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	10	1.09
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	10	1.09
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	14	1.09
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	14	1.09
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	14	1.09
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	14	1.08
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	19	1.08

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	1	1.08
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	1	1.08
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	1	1.08
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	1	1.08
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	1	1.08
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	1	1.08
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	12	1.08
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	12	1.08
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	12	1.08
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	1	1.08
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	1	1.08
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	1	1.08
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	14	1.08
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	14	1.08
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	14	1.08
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	20	1.08
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	20	1.08
(1,4662)	1:161:A:VAL:HG21	1:217:A:GLN:HG3	15	1.08
(1,4662)	1:161:A:VAL:HG22	1:217:A:GLN:HG3	15	1.08
(1,4662)	1:161:A:VAL:HG23	1:217:A:GLN:HG3	15	1.08
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	11	1.08
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	11	1.08
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	11	1.08
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	11	1.08
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	17	1.08
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	17	1.08
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	17	1.08
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	1	1.08
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	1	1.08
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	1	1.08
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	10	1.08
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	10	1.08
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	10	1.08
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	19	1.08
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	19	1.08
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	19	1.08
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	19	1.08
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	19	1.08
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	19	1.08
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	7	1.08
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	7	1.08
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	7	1.08

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	14	1.08
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	19	1.08
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	1	1.08
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	1	1.08
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	1	1.08
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	1	1.08
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	1	1.08
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	1	1.08
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	12	1.08
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	12	1.08
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	12	1.08
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	1	1.08
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	1	1.08
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	1	1.08
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	14	1.08
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	14	1.08
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	14	1.08
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	20	1.08
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	20	1.08
(1,1493)	1:161:A:VAL:HG21	1:217:A:GLN:HG3	15	1.08
(1,1493)	1:161:A:VAL:HG22	1:217:A:GLN:HG3	15	1.08
(1,1493)	1:161:A:VAL:HG23	1:217:A:GLN:HG3	15	1.08
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	11	1.08
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	11	1.08
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	11	1.08
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	11	1.08
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	17	1.08
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	17	1.08
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	17	1.08
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	1	1.08
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	1	1.08
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	1	1.08
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	10	1.08
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	10	1.08
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	10	1.08
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	19	1.08
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	19	1.08
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	19	1.08
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	19	1.08
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	19	1.08
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	19	1.08
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	7	1.08

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	7	1.08
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	7	1.08
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	5	1.07
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	5	1.07
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	5	1.07
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	8	1.07
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	8	1.07
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	8	1.07
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	13	1.07
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	13	1.07
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	13	1.07
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	3	1.07
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	2	1.07
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	2	1.07
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	2	1.07
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	12	1.07
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	18	1.07
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	18	1.07
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	5	1.07
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	3	1.07
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	15	1.07
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	15	1.07
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	15	1.07
(1,4251)	1:170:A:SER:HA	1:171:A:ASN:HB2	17	1.07
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	4	1.07
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	19	1.07
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	2	1.07
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	2	1.07
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	2	1.07
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	4	1.07
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	4	1.07
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	4	1.07
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	6	1.07
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	6	1.07
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	6	1.07
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	9	1.07
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	9	1.07
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	9	1.07
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	1	1.07
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	1	1.07
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	1	1.07
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	13	1.07

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	13	1.07
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	13	1.07
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	18	1.07
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	18	1.07
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	18	1.07
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	5	1.07
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	5	1.07
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	5	1.07
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	8	1.07
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	8	1.07
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	8	1.07
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	13	1.07
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	13	1.07
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	13	1.07
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	3	1.07
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	2	1.07
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	2	1.07
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	2	1.07
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	12	1.07
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	18	1.07
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	18	1.07
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	5	1.07
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	3	1.07
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	15	1.07
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	15	1.07
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	15	1.07
(1,1082)	1:170:A:SER:HA	1:171:A:ASN:HB2	17	1.07
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	4	1.07
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	19	1.07
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	2	1.07
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	2	1.07
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	2	1.07
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	4	1.07
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	4	1.07
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	4	1.07
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	6	1.07
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	6	1.07
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	6	1.07
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	9	1.07
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	9	1.07
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	9	1.07
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	1	1.07

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	1	1.07
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	1	1.07
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	13	1.07
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	13	1.07
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	13	1.07
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	18	1.07
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	18	1.07
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	18	1.07
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	20	1.06
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	20	1.06
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	20	1.06
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	20	1.06
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	20	1.06
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	20	1.06
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	3	1.06
(1,5961)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	7	1.06
(1,5961)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	7	1.06
(1,5036)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	13	1.06
(1,5036)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	13	1.06
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	18	1.06
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	18	1.06
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	18	1.06
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	16	1.06
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	16	1.06
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	4	1.06
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	14	1.06
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	9	1.06
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	9	1.06
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	9	1.06
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	14	1.06
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	14	1.06
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	14	1.06
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	13	1.06
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	18	1.06
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	18	1.06
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	18	1.06
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	11	1.06
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	11	1.06
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	11	1.06
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	5	1.06
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	5	1.06
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	5	1.06

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	13	1.06
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	13	1.06
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	13	1.06
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	20	1.06
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	20	1.06
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	20	1.06
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	1	1.06
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	1	1.06
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	1	1.06
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	5	1.06
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	5	1.06
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	5	1.06
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	20	1.06
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	20	1.06
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	20	1.06
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	20	1.06
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	20	1.06
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	20	1.06
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	3	1.06
(1,2792)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	7	1.06
(1,2792)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	7	1.06
(1,1867)	1:229:A:ARG:HG2	1:230:A:ARG:HG3	13	1.06
(1,1867)	1:229:A:ARG:HG3	1:230:A:ARG:HG3	13	1.06
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	18	1.06
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	18	1.06
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	18	1.06
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	16	1.06
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	16	1.06
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	4	1.06
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	14	1.06
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	9	1.06
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	9	1.06
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	9	1.06
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	14	1.06
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	14	1.06
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	14	1.06
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	13	1.06
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	18	1.06
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	18	1.06
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	18	1.06
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	11	1.06
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	11	1.06

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	11	1.06
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	5	1.06
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	5	1.06
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	5	1.06
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	13	1.06
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	13	1.06
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	13	1.06
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	20	1.06
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	20	1.06
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	20	1.06
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	1	1.06
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	1	1.06
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	1	1.06
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	5	1.06
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	5	1.06
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	5	1.06
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	11	1.05
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	15	1.05
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	17	1.05
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	9	1.05
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	2	1.05
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	2	1.05
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	2	1.05
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	2	1.05
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	7	1.05
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	7	1.05
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	7	1.05
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	5	1.05
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	5	1.05
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	5	1.05
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	3	1.05
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	3	1.05
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	3	1.05
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	14	1.05
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	14	1.05
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	14	1.05
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	14	1.05
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	14	1.05
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	14	1.05
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	6	1.05
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	6	1.05
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	6	1.05

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	7	1.05
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	7	1.05
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	7	1.05
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG11	18	1.05
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG12	18	1.05
(1,3362)	1:198:A:PHE:HA	1:203:A:VAL:HG13	18	1.05
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	12	1.05
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	12	1.05
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	12	1.05
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	14	1.05
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	14	1.05
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	14	1.05
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	11	1.05
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	15	1.05
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	17	1.05
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	9	1.05
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	2	1.05
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	2	1.05
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	2	1.05
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	2	1.05
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	7	1.05
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	7	1.05
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	7	1.05
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	5	1.05
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	5	1.05
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	5	1.05
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	3	1.05
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	3	1.05
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	3	1.05
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	14	1.05
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	14	1.05
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	14	1.05
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	14	1.05
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	14	1.05
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	14	1.05
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	6	1.05
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	6	1.05
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	6	1.05
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	7	1.05
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	7	1.05
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	7	1.05
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG11	18	1.05

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG12	18	1.05
(1,193)	1:198:A:PHE:HA	1:203:A:VAL:HG13	18	1.05
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	12	1.05
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	12	1.05
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	12	1.05
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	14	1.05
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	14	1.05
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	14	1.05
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	2	1.04
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	10	1.04
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	8	1.04
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	8	1.04
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	8	1.04
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	19	1.04
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	19	1.04
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	19	1.04
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	10	1.04
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	10	1.04
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	3	1.04
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	3	1.04
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	3	1.04
(1,4967)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	19	1.04
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	9	1.04
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	13	1.04
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	17	1.04
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	1	1.04
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	9	1.04
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	16	1.04
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	18	1.04
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	18	1.04
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	18	1.04
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	20	1.04
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	20	1.04
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	20	1.04
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	3	1.04
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	5	1.04
(1,3505)	1:166:A:VAL:HG11	1:225:A:TYR:HB2	1	1.04
(1,3505)	1:166:A:VAL:HG12	1:225:A:TYR:HB2	1	1.04
(1,3505)	1:166:A:VAL:HG13	1:225:A:TYR:HB2	1	1.04
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	12	1.04
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	12	1.04
(1,3289)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	12	1.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	12	1.04
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	12	1.04
(1,3289)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	12	1.04
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	12	1.04
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	12	1.04
(1,3289)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	12	1.04
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	2	1.04
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	10	1.04
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	8	1.04
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	8	1.04
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	8	1.04
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	19	1.04
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	19	1.04
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	19	1.04
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	10	1.04
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	10	1.04
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	3	1.04
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	3	1.04
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	3	1.04
(1,1798)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	19	1.04
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	9	1.04
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	13	1.04
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	17	1.04
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	1	1.04
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	9	1.04
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	16	1.04
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	18	1.04
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	18	1.04
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	18	1.04
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	20	1.04
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	20	1.04
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	20	1.04
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	3	1.04
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	5	1.04
(1,336)	1:166:A:VAL:HG11	1:225:A:TYR:HB2	1	1.04
(1,336)	1:166:A:VAL:HG12	1:225:A:TYR:HB2	1	1.04
(1,336)	1:166:A:VAL:HG13	1:225:A:TYR:HB2	1	1.04
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG11	12	1.04
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG12	12	1.04
(1,120)	1:180:A:VAL:HG21	1:210:A:VAL:HG13	12	1.04
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG11	12	1.04
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG12	12	1.04

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,120)	1:180:A:VAL:HG22	1:210:A:VAL:HG13	12	1.04
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG11	12	1.04
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG12	12	1.04
(1,120)	1:180:A:VAL:HG23	1:210:A:VAL:HG13	12	1.04
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	5	1.03
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	5	1.03
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	5	1.03
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	5	1.03
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	5	1.03
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	5	1.03
(1,5766)	1:130:A:LEU:HD11	1:160:A:GLN:H	6	1.03
(1,5766)	1:130:A:LEU:HD12	1:160:A:GLN:H	6	1.03
(1,5766)	1:130:A:LEU:HD13	1:160:A:GLN:H	6	1.03
(1,5700)	1:143:A:ASN:HD22	1:145:A:TRP:HZ2	20	1.03
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	4	1.03
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	4	1.03
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	4	1.03
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	5	1.03
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	5	1.03
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	5	1.03
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	20	1.03
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	20	1.03
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	20	1.03
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	7	1.03
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	1	1.03
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	12	1.03
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	16	1.03
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	14	1.03
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	14	1.03
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	14	1.03
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	3	1.03
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	3	1.03
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	15	1.03
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	18	1.03
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	18	1.03
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	18	1.03
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	12	1.03
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	9	1.03
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	6	1.03
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	6	1.03
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	6	1.03
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	4	1.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	4	1.03
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	4	1.03
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	5	1.03
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	5	1.03
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	5	1.03
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	5	1.03
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	5	1.03
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	5	1.03
(1,2597)	1:130:A:LEU:HD11	1:160:A:GLN:H	6	1.03
(1,2597)	1:130:A:LEU:HD12	1:160:A:GLN:H	6	1.03
(1,2597)	1:130:A:LEU:HD13	1:160:A:GLN:H	6	1.03
(1,2531)	1:143:A:ASN:HD22	1:145:A:TRP:HZ2	20	1.03
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	4	1.03
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	4	1.03
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	4	1.03
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	5	1.03
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	5	1.03
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	5	1.03
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	20	1.03
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	20	1.03
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	20	1.03
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	7	1.03
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	1	1.03
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	12	1.03
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	16	1.03
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	14	1.03
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	14	1.03
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	14	1.03
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	3	1.03
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	3	1.03
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	15	1.03
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	18	1.03
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	18	1.03
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	18	1.03
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	12	1.03
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	9	1.03
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	6	1.03
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	6	1.03
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	6	1.03
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	4	1.03
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	4	1.03
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	4	1.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	13	1.02
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	13	1.02
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	13	1.02
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	13	1.02
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	13	1.02
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	13	1.02
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	20	1.02
(1,5870)	1:130:A:LEU:HD11	1:163:A:TYR:H	9	1.02
(1,5870)	1:130:A:LEU:HD12	1:163:A:TYR:H	9	1.02
(1,5870)	1:130:A:LEU:HD13	1:163:A:TYR:H	9	1.02
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	1	1.02
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	1	1.02
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	1	1.02
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	3	1.02
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	3	1.02
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	3	1.02
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	18	1.02
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	8	1.02
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	8	1.02
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	8	1.02
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	2	1.02
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	2	1.02
(1,4967)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	6	1.02
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	1	1.02
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	18	1.02
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	11	1.02
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	18	1.02
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	5	1.02
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	5	1.02
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	5	1.02
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	17	1.02
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	17	1.02
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	17	1.02
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	17	1.02
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	2	1.02
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	2	1.02
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	2	1.02
(1,4260)	1:203:A:VAL:HG21	1:204:A:LYS:HA	12	1.02
(1,4260)	1:203:A:VAL:HG22	1:204:A:LYS:HA	12	1.02
(1,4260)	1:203:A:VAL:HG23	1:204:A:LYS:HA	12	1.02
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	13	1.02
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	13	1.02

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	13	1.02
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	20	1.02
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	20	1.02
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	20	1.02
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	13	1.02
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	13	1.02
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	13	1.02
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	3	1.02
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	3	1.02
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	3	1.02
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	18	1.02
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	18	1.02
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	18	1.02
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	10	1.02
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	10	1.02
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	10	1.02
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	10	1.02
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	18	1.02
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	18	1.02
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	18	1.02
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	3	1.02
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	3	1.02
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	3	1.02
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	12	1.02
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	12	1.02
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	12	1.02
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	5	1.02
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	5	1.02
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	5	1.02
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	13	1.02
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	13	1.02
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	13	1.02
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	13	1.02
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	13	1.02
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	13	1.02
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	20	1.02
(1,2701)	1:130:A:LEU:HD11	1:163:A:TYR:H	9	1.02
(1,2701)	1:130:A:LEU:HD12	1:163:A:TYR:H	9	1.02
(1,2701)	1:130:A:LEU:HD13	1:163:A:TYR:H	9	1.02
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	1	1.02
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	1	1.02
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	1	1.02

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	3	1.02
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	3	1.02
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	3	1.02
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	18	1.02
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	8	1.02
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	8	1.02
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	8	1.02
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	2	1.02
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	2	1.02
(1,1798)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	6	1.02
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	1	1.02
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	18	1.02
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	11	1.02
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	18	1.02
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	5	1.02
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	5	1.02
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	5	1.02
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	17	1.02
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	17	1.02
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	17	1.02
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	17	1.02
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	2	1.02
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	2	1.02
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	2	1.02
(1,1091)	1:203:A:VAL:HG21	1:204:A:LYS:HA	12	1.02
(1,1091)	1:203:A:VAL:HG22	1:204:A:LYS:HA	12	1.02
(1,1091)	1:203:A:VAL:HG23	1:204:A:LYS:HA	12	1.02
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	13	1.02
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	13	1.02
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	13	1.02
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	20	1.02
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	20	1.02
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	20	1.02
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	13	1.02
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	13	1.02
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	13	1.02
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	3	1.02
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	3	1.02
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	3	1.02
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	18	1.02
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	18	1.02
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	18	1.02

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	10	1.02
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	10	1.02
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	10	1.02
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	10	1.02
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	18	1.02
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	18	1.02
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	18	1.02
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	3	1.02
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	3	1.02
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	3	1.02
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	12	1.02
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	12	1.02
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	12	1.02
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	5	1.02
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	5	1.02
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	5	1.02
(1,6219)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	8	1.01
(1,6219)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	8	1.01
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	4	1.01
(1,6170)	1:141:A:PHE:HZ	1:205:A:MET:HB2	7	1.01
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	6	1.01
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	6	1.01
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	6	1.01
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	14	1.01
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	8	1.01
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	3	1.01
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	3	1.01
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	3	1.01
(1,4004)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	1	1.01
(1,4004)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	1	1.01
(1,4004)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	1	1.01
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	8	1.01
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	4	1.01
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	4	1.01
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	18	1.01
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	18	1.01
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	17	1.01
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	17	1.01
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	17	1.01
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	9	1.01
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	9	1.01
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	9	1.01

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	19	1.01
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	19	1.01
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	19	1.01
(1,3050)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	8	1.01
(1,3050)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	8	1.01
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	4	1.01
(1,3001)	1:141:A:PHE:HZ	1:205:A:MET:HB2	7	1.01
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	6	1.01
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	6	1.01
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	6	1.01
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	14	1.01
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	8	1.01
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	3	1.01
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	3	1.01
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	3	1.01
(1,835)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	1	1.01
(1,835)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	1	1.01
(1,835)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	1	1.01
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	8	1.01
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	4	1.01
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	4	1.01
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	18	1.01
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	18	1.01
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	17	1.01
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	17	1.01
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	17	1.01
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	9	1.01
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	9	1.01
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	9	1.01
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	19	1.01
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	19	1.01
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	19	1.01
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	1	1.0
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	1	1.0
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	11	1.0
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	11	1.0
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	11	1.0
(1,4764)	1:131:A:GLY:HA2	1:160:A:GLN:HA	20	1.0
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	15	1.0
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	17	1.0
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	17	1.0
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	17	1.0

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	17	1.0
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	17	1.0
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	17	1.0
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	6	1.0
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	11	1.0
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	3	1.0
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	3	1.0
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	3	1.0
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	14	1.0
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	9	1.0
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	9	1.0
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	9	1.0
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	6	1.0
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	6	1.0
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	6	1.0
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	3	1.0
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	3	1.0
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	3	1.0
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	15	1.0
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	15	1.0
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	15	1.0
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	3	1.0
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	3	1.0
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	3	1.0
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	1	1.0
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	1	1.0
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	11	1.0
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	11	1.0
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	11	1.0
(1,1595)	1:131:A:GLY:HA2	1:160:A:GLN:HA	20	1.0
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	15	1.0
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	17	1.0
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	17	1.0
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	17	1.0
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	17	1.0
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	17	1.0
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	17	1.0
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	6	1.0
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	11	1.0
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	3	1.0
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	3	1.0
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	3	1.0

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	14	1.0
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	9	1.0
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	9	1.0
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	9	1.0
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	6	1.0
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	6	1.0
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	6	1.0
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	3	1.0
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	3	1.0
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	3	1.0
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	15	1.0
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	15	1.0
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	15	1.0
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	3	1.0
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	3	1.0
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	3	1.0
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	11	0.99
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	11	0.99
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	11	0.99
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	11	0.99
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	11	0.99
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	2	0.99
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	4	0.99
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	4	0.99
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	4	0.99
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	8	0.99
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	8	0.99
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	20	0.99
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	3	0.99
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	5	0.99
(1,4104)	1:145:A:TRP:HA	1:148:A:ARG:HG2	11	0.99
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	10	0.99
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	10	0.99
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	10	0.99
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	10	0.99
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	10	0.99
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	10	0.99
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	10	0.99
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	10	0.99
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	10	0.99
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE1	16	0.99
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE2	16	0.99

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE3	16	0.99
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE1	4	0.99
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE2	4	0.99
(1,3797)	1:146:A:GLU:HG3	1:205:A:MET:HE3	4	0.99
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	3	0.99
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	5	0.99
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	5	0.99
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	5	0.99
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	8	0.99
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	8	0.99
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	8	0.99
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	15	0.99
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	15	0.99
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	15	0.99
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	11	0.99
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	11	0.99
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	11	0.99
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	11	0.99
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	11	0.99
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	2	0.99
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	4	0.99
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	4	0.99
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	4	0.99
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	8	0.99
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	8	0.99
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	20	0.99
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	3	0.99
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	5	0.99
(1,935)	1:145:A:TRP:HA	1:148:A:ARG:HG2	11	0.99
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	10	0.99
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	10	0.99
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	10	0.99
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	10	0.99
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	10	0.99
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	10	0.99
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	10	0.99
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	10	0.99
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	10	0.99
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE1	16	0.99
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE2	16	0.99
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE3	16	0.99
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE1	4	0.99

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE2	4	0.99
(1,628)	1:146:A:GLU:HG3	1:205:A:MET:HE3	4	0.99
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	3	0.99
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	5	0.99
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	5	0.99
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	5	0.99
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	8	0.99
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	8	0.99
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	8	0.99
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	15	0.99
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	15	0.99
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	15	0.99
(1,5949)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	10	0.98
(1,5949)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	10	0.98
(1,5949)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	10	0.98
(1,5949)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	10	0.98
(1,5949)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	10	0.98
(1,5949)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	10	0.98
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	3	0.98
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	19	0.98
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	13	0.98
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	13	0.98
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	13	0.98
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	12	0.98
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	12	0.98
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	12	0.98
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	18	0.98
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	18	0.98
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	18	0.98
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	9	0.98
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	9	0.98
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	7	0.98
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	4	0.98
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	20	0.98
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	8	0.98
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	8	0.98
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	8	0.98
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	10	0.98
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	10	0.98
(1,3845)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	10	0.98
(1,3722)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	16	0.98
(1,3722)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	16	0.98

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3722)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	16	0.98
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	17	0.98
(1,2780)	1:161:A:VAL:HG21	1:163:A:TYR:HD1	10	0.98
(1,2780)	1:161:A:VAL:HG21	1:163:A:TYR:HD2	10	0.98
(1,2780)	1:161:A:VAL:HG22	1:163:A:TYR:HD1	10	0.98
(1,2780)	1:161:A:VAL:HG22	1:163:A:TYR:HD2	10	0.98
(1,2780)	1:161:A:VAL:HG23	1:163:A:TYR:HD1	10	0.98
(1,2780)	1:161:A:VAL:HG23	1:163:A:TYR:HD2	10	0.98
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	3	0.98
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	19	0.98
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	13	0.98
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	13	0.98
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	13	0.98
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	12	0.98
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	12	0.98
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	12	0.98
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	18	0.98
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	18	0.98
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	18	0.98
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	9	0.98
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	9	0.98
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	7	0.98
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	4	0.98
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	20	0.98
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	8	0.98
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	8	0.98
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	8	0.98
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG21	10	0.98
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG22	10	0.98
(1,676)	1:131:A:GLY:HA2	1:161:A:VAL:HG23	10	0.98
(1,553)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	16	0.98
(1,553)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	16	0.98
(1,553)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	16	0.98
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	17	0.98
(1,6219)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	18	0.97
(1,6219)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	18	0.97
(1,5870)	1:130:A:LEU:HD11	1:163:A:TYR:H	7	0.97
(1,5870)	1:130:A:LEU:HD12	1:163:A:TYR:H	7	0.97
(1,5870)	1:130:A:LEU:HD13	1:163:A:TYR:H	7	0.97
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	5	0.97
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	10	0.97
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	1	0.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	12	0.97
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	12	0.97
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	12	0.97
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	8	0.97
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	8	0.97
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	6	0.97
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	6	0.97
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	6	0.97
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	5	0.97
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	5	0.97
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	5	0.97
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	5	0.97
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	5	0.97
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	5	0.97
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	5	0.97
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	5	0.97
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	5	0.97
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	10	0.97
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	19	0.97
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	19	0.97
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	19	0.97
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	6	0.97
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	6	0.97
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	6	0.97
(1,3405)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	9	0.97
(1,3405)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	9	0.97
(1,3405)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	9	0.97
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	3	0.97
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	3	0.97
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	3	0.97
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	3	0.97
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	3	0.97
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	3	0.97
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	16	0.97
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	16	0.97
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	16	0.97
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	16	0.97
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	16	0.97
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	16	0.97
(1,3338)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	8	0.97
(1,3338)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	8	0.97
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	11	0.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	11	0.97
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	11	0.97
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	17	0.97
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	17	0.97
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	17	0.97
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	8	0.97
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	8	0.97
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	8	0.97
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	18	0.97
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	18	0.97
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	18	0.97
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	18	0.97
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	18	0.97
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	18	0.97
(1,3050)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	18	0.97
(1,3050)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	18	0.97
(1,2701)	1:130:A:LEU:HD11	1:163:A:TYR:H	7	0.97
(1,2701)	1:130:A:LEU:HD12	1:163:A:TYR:H	7	0.97
(1,2701)	1:130:A:LEU:HD13	1:163:A:TYR:H	7	0.97
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	5	0.97
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	10	0.97
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	1	0.97
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	12	0.97
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	12	0.97
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	12	0.97
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	8	0.97
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	8	0.97
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	6	0.97
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	6	0.97
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	6	0.97
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	5	0.97
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	5	0.97
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	5	0.97
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	5	0.97
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	5	0.97
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	5	0.97
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	5	0.97
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	5	0.97
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	5	0.97
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	10	0.97
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	19	0.97
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	19	0.97

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	19	0.97
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	6	0.97
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	6	0.97
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	6	0.97
(1,236)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	9	0.97
(1,236)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	9	0.97
(1,236)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	9	0.97
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	3	0.97
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	3	0.97
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	3	0.97
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	3	0.97
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	3	0.97
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	3	0.97
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	16	0.97
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	16	0.97
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	16	0.97
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	16	0.97
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	16	0.97
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	16	0.97
(1,169)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	8	0.97
(1,169)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	8	0.97
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	11	0.97
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	11	0.97
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	11	0.97
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	17	0.97
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	17	0.97
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	17	0.97
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	8	0.97
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	8	0.97
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	8	0.97
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	18	0.97
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	18	0.97
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	18	0.97
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	18	0.97
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	18	0.97
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	18	0.97
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	1	0.96
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	1	0.96
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	1	0.96
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	1	0.96
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	1	0.96
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	1	0.96

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	18	0.96
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	18	0.96
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	18	0.96
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	12	0.96
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	8	0.96
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	20	0.96
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	1	0.96
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	12	0.96
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	20	0.96
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	13	0.96
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	10	0.96
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	1	0.96
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	1	0.96
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	1	0.96
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	16	0.96
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	16	0.96
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	16	0.96
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	16	0.96
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	5	0.96
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	5	0.96
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	17	0.96
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	17	0.96
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	17	0.96
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	20	0.96
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	20	0.96
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	20	0.96
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	16	0.96
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	16	0.96
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	16	0.96
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	1	0.96
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	1	0.96
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	1	0.96
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	1	0.96
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	1	0.96
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	1	0.96
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	18	0.96
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	18	0.96
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	18	0.96
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	12	0.96
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	8	0.96
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	20	0.96
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	1	0.96

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	12	0.96
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	20	0.96
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	13	0.96
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	10	0.96
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	1	0.96
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	1	0.96
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	1	0.96
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	16	0.96
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	16	0.96
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	16	0.96
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	16	0.96
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	5	0.96
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	5	0.96
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	17	0.96
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	17	0.96
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	17	0.96
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	20	0.96
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	20	0.96
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	20	0.96
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	16	0.96
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	16	0.96
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	16	0.96
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	9	0.95
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	9	0.95
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	9	0.95
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	9	0.95
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	9	0.95
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	9	0.95
(1,5961)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	11	0.95
(1,5961)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	11	0.95
(1,5870)	1:130:A:LEU:HD11	1:163:A:TYR:H	5	0.95
(1,5870)	1:130:A:LEU:HD12	1:163:A:TYR:H	5	0.95
(1,5870)	1:130:A:LEU:HD13	1:163:A:TYR:H	5	0.95
(1,5833)	1:223:A:GLN:HE21	1:228:A:GLY:HA2	15	0.95
(1,5833)	1:223:A:GLN:HE21	1:228:A:GLY:HA3	15	0.95
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG11	6	0.95
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG12	6	0.95
(1,5674)	1:199:A:THR:H	1:203:A:VAL:HG13	6	0.95
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	4	0.95
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	4	0.95
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	20	0.95
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	20	0.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	13	0.95
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	8	0.95
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	20	0.95
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	17	0.95
(1,4632)	1:166:A:VAL:HB	1:222:A:SER:HB2	2	0.95
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	7	0.95
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	7	0.95
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	7	0.95
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	11	0.95
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	11	0.95
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	11	0.95
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	16	0.95
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	16	0.95
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	16	0.95
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	14	0.95
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	14	0.95
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	14	0.95
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	18	0.95
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	18	0.95
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	18	0.95
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	3	0.95
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	3	0.95
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	3	0.95
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	6	0.95
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	6	0.95
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	6	0.95
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	9	0.95
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	9	0.95
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	9	0.95
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	9	0.95
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	9	0.95
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	9	0.95
(1,2792)	1:169:A:TYR:HD1	1:171:A:ASN:HB2	11	0.95
(1,2792)	1:169:A:TYR:HD2	1:171:A:ASN:HB2	11	0.95
(1,2701)	1:130:A:LEU:HD11	1:163:A:TYR:H	5	0.95
(1,2701)	1:130:A:LEU:HD12	1:163:A:TYR:H	5	0.95
(1,2701)	1:130:A:LEU:HD13	1:163:A:TYR:H	5	0.95
(1,2664)	1:223:A:GLN:HE21	1:228:A:GLY:HA2	15	0.95
(1,2664)	1:223:A:GLN:HE21	1:228:A:GLY:HA3	15	0.95
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG11	6	0.95
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG12	6	0.95
(1,2505)	1:199:A:THR:H	1:203:A:VAL:HG13	6	0.95

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	4	0.95
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	4	0.95
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	20	0.95
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	20	0.95
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	13	0.95
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	8	0.95
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	20	0.95
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	17	0.95
(1,1463)	1:166:A:VAL:HB	1:222:A:SER:HB2	2	0.95
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	7	0.95
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	7	0.95
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	7	0.95
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	11	0.95
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	11	0.95
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	11	0.95
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	16	0.95
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	16	0.95
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	16	0.95
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	14	0.95
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	14	0.95
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	14	0.95
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	18	0.95
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	18	0.95
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	18	0.95
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	3	0.95
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	3	0.95
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	3	0.95
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	6	0.95
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	6	0.95
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	6	0.95
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	19	0.94
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	19	0.94
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	19	0.94
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	19	0.94
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	19	0.94
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	19	0.94
(1,6219)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	17	0.94
(1,6219)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	17	0.94
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	4	0.94
(1,5777)	1:132:A:SER:H	1:217:A:GLN:HE21	18	0.94
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	20	0.94
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	20	0.94

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	20	0.94
(1,4956)	1:148:A:ARG:HG3	1:152:A:GLU:H	12	0.94
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	3	0.94
(1,4743)	1:134:A:MET:HG3	1:159:A:ASN:HB2	16	0.94
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	5	0.94
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	5	0.94
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	5	0.94
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	12	0.94
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	12	0.94
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	12	0.94
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	9	0.94
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	8	0.94
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	8	0.94
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	8	0.94
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	15	0.94
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	15	0.94
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	15	0.94
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	19	0.94
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	19	0.94
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	19	0.94
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	19	0.94
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	19	0.94
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	19	0.94
(1,3050)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	17	0.94
(1,3050)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	17	0.94
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	4	0.94
(1,2608)	1:132:A:SER:H	1:217:A:GLN:HE21	18	0.94
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	20	0.94
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	20	0.94
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	20	0.94
(1,1787)	1:148:A:ARG:HG3	1:152:A:GLU:H	12	0.94
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	3	0.94
(1,1574)	1:134:A:MET:HG3	1:159:A:ASN:HB2	16	0.94
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	5	0.94
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	5	0.94
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	5	0.94
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	12	0.94
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	12	0.94
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	12	0.94
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	9	0.94
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	8	0.94
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	8	0.94

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	8	0.94
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	15	0.94
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	15	0.94
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	15	0.94
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	6	0.93
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	6	0.93
(1,5870)	1:130:A:LEU:HD11	1:163:A:TYR:H	6	0.93
(1,5870)	1:130:A:LEU:HD12	1:163:A:TYR:H	6	0.93
(1,5870)	1:130:A:LEU:HD13	1:163:A:TYR:H	6	0.93
(1,5777)	1:132:A:SER:H	1:217:A:GLN:HE21	8	0.93
(1,5777)	1:132:A:SER:H	1:217:A:GLN:HE21	14	0.93
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	7	0.93
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	7	0.93
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	7	0.93
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	9	0.93
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	9	0.93
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	9	0.93
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG21	18	0.93
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG22	18	0.93
(1,5516)	1:207:A:GLU:H	1:209:A:VAL:HG23	18	0.93
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	13	0.93
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	9	0.93
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	9	0.93
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	9	0.93
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	6	0.93
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	15	0.93
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	7	0.93
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	1	0.93
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	9	0.93
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	9	0.93
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	9	0.93
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	11	0.93
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	11	0.93
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	11	0.93
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	2	0.93
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	2	0.93
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	2	0.93
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	10	0.93
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	10	0.93
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	10	0.93
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	12	0.93
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	12	0.93

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	12	0.93
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	17	0.93
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	17	0.93
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	17	0.93
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	3	0.93
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	3	0.93
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	3	0.93
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	16	0.93
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	16	0.93
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	16	0.93
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	6	0.93
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	6	0.93
(1,2701)	1:130:A:LEU:HD11	1:163:A:TYR:H	6	0.93
(1,2701)	1:130:A:LEU:HD12	1:163:A:TYR:H	6	0.93
(1,2701)	1:130:A:LEU:HD13	1:163:A:TYR:H	6	0.93
(1,2608)	1:132:A:SER:H	1:217:A:GLN:HE21	8	0.93
(1,2608)	1:132:A:SER:H	1:217:A:GLN:HE21	14	0.93
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	7	0.93
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	7	0.93
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	7	0.93
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	9	0.93
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	9	0.93
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	9	0.93
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG21	18	0.93
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG22	18	0.93
(1,2347)	1:207:A:GLU:H	1:209:A:VAL:HG23	18	0.93
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	13	0.93
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	9	0.93
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	9	0.93
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	9	0.93
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	6	0.93
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	15	0.93
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	7	0.93
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	1	0.93
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	9	0.93
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	9	0.93
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	9	0.93
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	11	0.93
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	11	0.93
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	11	0.93
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	2	0.93
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	2	0.93

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	2	0.93
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	10	0.93
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	10	0.93
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	10	0.93
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	12	0.93
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	12	0.93
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	12	0.93
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	17	0.93
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	17	0.93
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	17	0.93
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	3	0.93
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	3	0.93
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	3	0.93
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	16	0.93
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	16	0.93
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	16	0.93
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	4	0.92
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	4	0.92
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	4	0.92
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	4	0.92
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	4	0.92
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	4	0.92
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	15	0.92
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	15	0.92
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	15	0.92
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	15	0.92
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	15	0.92
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	15	0.92
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	8	0.92
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	8	0.92
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	19	0.92
(1,5870)	1:130:A:LEU:HD11	1:163:A:TYR:H	14	0.92
(1,5870)	1:130:A:LEU:HD12	1:163:A:TYR:H	14	0.92
(1,5870)	1:130:A:LEU:HD13	1:163:A:TYR:H	14	0.92
(1,5777)	1:132:A:SER:H	1:217:A:GLN:HE21	2	0.92
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	2	0.92
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	2	0.92
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	2	0.92
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	11	0.92
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	11	0.92
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	18	0.92
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	18	0.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	18	0.92
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	9	0.92
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	16	0.92
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	20	0.92
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	20	0.92
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	20	0.92
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	20	0.92
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	20	0.92
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	20	0.92
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	14	0.92
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	14	0.92
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	14	0.92
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	4	0.92
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	4	0.92
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	4	0.92
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	16	0.92
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	16	0.92
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	16	0.92
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	5	0.92
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	5	0.92
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	5	0.92
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	5	0.92
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	5	0.92
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	5	0.92
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	9	0.92
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	9	0.92
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	9	0.92
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	9	0.92
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	9	0.92
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	9	0.92
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	4	0.92
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	4	0.92
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	4	0.92
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	4	0.92
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	4	0.92
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	4	0.92
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	15	0.92
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	15	0.92
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	15	0.92
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	15	0.92
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	15	0.92
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	15	0.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	8	0.92
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	8	0.92
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	19	0.92
(1,2701)	1:130:A:LEU:HD11	1:163:A:TYR:H	14	0.92
(1,2701)	1:130:A:LEU:HD12	1:163:A:TYR:H	14	0.92
(1,2701)	1:130:A:LEU:HD13	1:163:A:TYR:H	14	0.92
(1,2608)	1:132:A:SER:H	1:217:A:GLN:HE21	2	0.92
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	2	0.92
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	2	0.92
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	2	0.92
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	11	0.92
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	11	0.92
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	18	0.92
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	18	0.92
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	18	0.92
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	9	0.92
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	16	0.92
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	20	0.92
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	20	0.92
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	20	0.92
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	20	0.92
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	20	0.92
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	20	0.92
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	14	0.92
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	14	0.92
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	14	0.92
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	4	0.92
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	4	0.92
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	4	0.92
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	16	0.92
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	16	0.92
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	16	0.92
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	5	0.92
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	5	0.92
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	5	0.92
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	5	0.92
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	5	0.92
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	5	0.92
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	9	0.92
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	9	0.92
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	9	0.92
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	9	0.92

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	9	0.92
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	9	0.92
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	14	0.91
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	14	0.91
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	14	0.91
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	14	0.91
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	14	0.91
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	14	0.91
(1,5769)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	9	0.91
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	1	0.91
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	11	0.91
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	5	0.91
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	6	0.91
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	6	0.91
(1,4956)	1:148:A:ARG:HG3	1:152:A:GLU:H	1	0.91
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	10	0.91
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	14	0.91
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	6	0.91
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	6	0.91
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	6	0.91
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	19	0.91
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	19	0.91
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	19	0.91
(1,4128)	1:172:A:GLN:H	1:174:A:ASN:HB3	20	0.91
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	5	0.91
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	5	0.91
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	5	0.91
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	12	0.91
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	12	0.91
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	12	0.91
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	13	0.91
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	4	0.91
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	4	0.91
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	4	0.91
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	5	0.91
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	5	0.91
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	5	0.91
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	8	0.91
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	8	0.91
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	8	0.91
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	19	0.91
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	19	0.91

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	19	0.91
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	10	0.91
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	10	0.91
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	10	0.91
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	19	0.91
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	19	0.91
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	19	0.91
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	12	0.91
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	12	0.91
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	12	0.91
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	12	0.91
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	12	0.91
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	12	0.91
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	20	0.91
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	20	0.91
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	20	0.91
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	20	0.91
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	20	0.91
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	20	0.91
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	17	0.91
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	17	0.91
(1,3267)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	17	0.91
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	3	0.91
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	3	0.91
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	3	0.91
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	19	0.91
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	19	0.91
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	19	0.91
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG11	18	0.91
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG12	18	0.91
(1,3218)	1:179:A:CYS:HA	1:210:A:VAL:HG13	18	0.91
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	14	0.91
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	14	0.91
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	14	0.91
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	14	0.91
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	14	0.91
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	14	0.91
(1,2600)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	9	0.91
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	1	0.91
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	11	0.91
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	5	0.91
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	6	0.91

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	6	0.91
(1,1787)	1:148:A:ARG:HG3	1:152:A:GLU:H	1	0.91
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	10	0.91
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	14	0.91
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	6	0.91
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	6	0.91
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	6	0.91
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	19	0.91
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	19	0.91
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	19	0.91
(1,959)	1:172:A:GLN:H	1:174:A:ASN:HB3	20	0.91
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	5	0.91
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	5	0.91
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	5	0.91
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	12	0.91
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	12	0.91
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	12	0.91
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	13	0.91
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	4	0.91
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	4	0.91
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	4	0.91
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	5	0.91
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	5	0.91
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	5	0.91
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	8	0.91
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	8	0.91
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	8	0.91
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	19	0.91
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	19	0.91
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	19	0.91
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	10	0.91
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	10	0.91
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	10	0.91
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	19	0.91
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	19	0.91
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	19	0.91
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	12	0.91
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	12	0.91
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	12	0.91
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	12	0.91
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	12	0.91
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	12	0.91

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	20	0.91
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	20	0.91
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	20	0.91
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	20	0.91
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	20	0.91
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	20	0.91
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG11	17	0.91
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG12	17	0.91
(1,98)	1:139:A:ILE:HG13	1:209:A:VAL:HG13	17	0.91
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	3	0.91
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	3	0.91
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	3	0.91
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	19	0.91
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	19	0.91
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	19	0.91
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG11	18	0.91
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG12	18	0.91
(1,49)	1:179:A:CYS:HA	1:210:A:VAL:HG13	18	0.91
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	6	0.9
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	6	0.9
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	6	0.9
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	6	0.9
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	6	0.9
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	6	0.9
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	7	0.9
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	7	0.9
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	7	0.9
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	7	0.9
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	7	0.9
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	7	0.9
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	10	0.9
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	10	0.9
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	10	0.9
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	8	0.9
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	2	0.9
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	10	0.9
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	10	0.9
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	10	0.9
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	13	0.9
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	13	0.9
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	14	0.9
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	14	0.9

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	12	0.9
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	12	0.9
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	12	0.9
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	6	0.9
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	16	0.9
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	12	0.9
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	17	0.9
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	17	0.9
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	17	0.9
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	9	0.9
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	13	0.9
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	4	0.9
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	4	0.9
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	4	0.9
(1,4126)	1:210:A:VAL:HG11	1:211:A:GLU:HA	14	0.9
(1,4126)	1:210:A:VAL:HG12	1:211:A:GLU:HA	14	0.9
(1,4126)	1:210:A:VAL:HG13	1:211:A:GLU:HA	14	0.9
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	16	0.9
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	16	0.9
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	16	0.9
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	7	0.9
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	2	0.9
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	17	0.9
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	14	0.9
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	14	0.9
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	14	0.9
(1,3505)	1:166:A:VAL:HG11	1:225:A:TYR:HB2	20	0.9
(1,3505)	1:166:A:VAL:HG12	1:225:A:TYR:HB2	20	0.9
(1,3505)	1:166:A:VAL:HG13	1:225:A:TYR:HB2	20	0.9
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	6	0.9
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	6	0.9
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	6	0.9
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	6	0.9
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	6	0.9
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	6	0.9
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	7	0.9
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	7	0.9
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	7	0.9
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	7	0.9
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	7	0.9
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	7	0.9
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	10	0.9

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	10	0.9
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	10	0.9
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	8	0.9
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	2	0.9
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	10	0.9
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	10	0.9
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	10	0.9
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	13	0.9
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	13	0.9
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	14	0.9
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	14	0.9
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	12	0.9
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	12	0.9
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	12	0.9
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	6	0.9
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	16	0.9
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	12	0.9
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	17	0.9
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	17	0.9
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	17	0.9
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	9	0.9
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	13	0.9
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	4	0.9
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	4	0.9
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	4	0.9
(1,957)	1:210:A:VAL:HG11	1:211:A:GLU:HA	14	0.9
(1,957)	1:210:A:VAL:HG12	1:211:A:GLU:HA	14	0.9
(1,957)	1:210:A:VAL:HG13	1:211:A:GLU:HA	14	0.9
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	16	0.9
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	16	0.9
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	16	0.9
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	7	0.9
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	2	0.9
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	17	0.9
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	14	0.9
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	14	0.9
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	14	0.9
(1,336)	1:166:A:VAL:HG11	1:225:A:TYR:HB2	20	0.9
(1,336)	1:166:A:VAL:HG12	1:225:A:TYR:HB2	20	0.9
(1,336)	1:166:A:VAL:HG13	1:225:A:TYR:HB2	20	0.9
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	17	0.89
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	17	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	17	0.89
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	17	0.89
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	17	0.89
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	17	0.89
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	19	0.89
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	19	0.89
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	19	0.89
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	9	0.89
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	9	0.89
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	9	0.89
(1,4956)	1:148:A:ARG:HG3	1:152:A:GLU:H	11	0.89
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	16	0.89
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	19	0.89
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	19	0.89
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	19	0.89
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	13	0.89
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	20	0.89
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	10	0.89
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	18	0.89
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	13	0.89
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	13	0.89
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	13	0.89
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	16	0.89
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	13	0.89
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	13	0.89
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	13	0.89
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	15	0.89
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	15	0.89
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	15	0.89
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	11	0.89
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	11	0.89
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	11	0.89
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	20	0.89
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	20	0.89
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	20	0.89
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	1	0.89
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	1	0.89
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	1	0.89
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	12	0.89
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	12	0.89
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	12	0.89
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	1	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	7	0.89
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	12	0.89
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	14	0.89
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	7	0.89
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	10	0.89
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	16	0.89
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	20	0.89
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	20	0.89
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	20	0.89
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	1	0.89
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	1	0.89
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	1	0.89
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	18	0.89
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	18	0.89
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	18	0.89
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	7	0.89
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	7	0.89
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	7	0.89
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	8	0.89
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	8	0.89
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	8	0.89
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	12	0.89
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	12	0.89
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	12	0.89
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	12	0.89
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	12	0.89
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	12	0.89
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	1	0.89
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	1	0.89
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	1	0.89
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	17	0.89
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	17	0.89
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	17	0.89
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	17	0.89
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	17	0.89
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	17	0.89
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	19	0.89
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	19	0.89
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	19	0.89
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	9	0.89
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	9	0.89
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	9	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:148:A:ARG:HG3	1:152:A:GLU:H	11	0.89
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	16	0.89
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	19	0.89
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	19	0.89
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	19	0.89
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	13	0.89
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	20	0.89
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	10	0.89
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	18	0.89
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	13	0.89
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	13	0.89
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	13	0.89
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	16	0.89
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	13	0.89
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	13	0.89
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	13	0.89
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	15	0.89
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	15	0.89
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	15	0.89
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	11	0.89
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	11	0.89
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	11	0.89
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	20	0.89
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	20	0.89
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	20	0.89
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	1	0.89
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	1	0.89
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	1	0.89
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	12	0.89
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	12	0.89
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	12	0.89
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	1	0.89
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	7	0.89
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	12	0.89
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	14	0.89
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	7	0.89
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	10	0.89
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	16	0.89
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	20	0.89
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	20	0.89
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	20	0.89
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	1	0.89

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	1	0.89
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	1	0.89
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	18	0.89
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	18	0.89
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	18	0.89
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	7	0.89
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	7	0.89
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	7	0.89
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	8	0.89
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	8	0.89
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	8	0.89
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	12	0.89
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	12	0.89
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	12	0.89
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	12	0.89
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	12	0.89
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	12	0.89
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	1	0.89
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	1	0.89
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	1	0.89
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	16	0.88
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	16	0.88
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	16	0.88
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	16	0.88
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	16	0.88
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	16	0.88
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	7	0.88
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	7	0.88
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	19	0.88
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	19	0.88
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	3	0.88
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	5	0.88
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	5	0.88
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	5	0.88
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	11	0.88
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	5	0.88
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	5	0.88
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	5	0.88
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	13	0.88
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	13	0.88
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	13	0.88
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	17	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	17	0.88
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	17	0.88
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	7	0.88
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	11	0.88
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	19	0.88
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	19	0.88
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	3	0.88
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	18	0.88
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	20	0.88
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	20	0.88
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	20	0.88
(1,3806)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	18	0.88
(1,3806)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	18	0.88
(1,3806)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	18	0.88
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	18	0.88
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	18	0.88
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	18	0.88
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	20	0.88
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	20	0.88
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	20	0.88
(1,3733)	1:211:A:GLU:HG2	1:214:A:CYS:HB3	18	0.88
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	2	0.88
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	4	0.88
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	6	0.88
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	8	0.88
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	8	0.88
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	8	0.88
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	8	0.88
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	8	0.88
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	8	0.88
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	10	0.88
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	10	0.88
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	10	0.88
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	10	0.88
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	10	0.88
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	10	0.88
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	16	0.88
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	16	0.88
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	16	0.88
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	16	0.88
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	16	0.88
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	16	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	7	0.88
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	7	0.88
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	19	0.88
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	19	0.88
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	3	0.88
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	5	0.88
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	5	0.88
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	5	0.88
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	11	0.88
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	5	0.88
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	5	0.88
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	5	0.88
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	13	0.88
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	13	0.88
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	13	0.88
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	17	0.88
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	17	0.88
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	17	0.88
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	7	0.88
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	11	0.88
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	19	0.88
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	19	0.88
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	3	0.88
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	18	0.88
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	20	0.88
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	20	0.88
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	20	0.88
(1,637)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	18	0.88
(1,637)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	18	0.88
(1,637)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	18	0.88
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	18	0.88
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	18	0.88
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	18	0.88
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	20	0.88
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	20	0.88
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	20	0.88
(1,564)	1:211:A:GLU:HG2	1:214:A:CYS:HB3	18	0.88
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	2	0.88
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	4	0.88
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	6	0.88
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	8	0.88
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	8	0.88

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	8	0.88
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	8	0.88
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	8	0.88
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	8	0.88
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	10	0.88
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	10	0.88
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	10	0.88
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	10	0.88
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	10	0.88
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	10	0.88
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	16	0.87
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	16	0.87
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	8	0.87
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	8	0.87
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	8	0.87
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	8	0.87
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	8	0.87
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	8	0.87
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	1	0.87
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	1	0.87
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	2	0.87
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	2	0.87
(1,6023)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	14	0.87
(1,6023)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	14	0.87
(1,6023)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	14	0.87
(1,6023)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	14	0.87
(1,6023)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	14	0.87
(1,6023)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	14	0.87
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	4	0.87
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	2	0.87
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	19	0.87
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	19	0.87
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	2	0.87
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	11	0.87
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	19	0.87
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	6	0.87
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	6	0.87
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	16	0.87
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	16	0.87
(1,4524)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	5	0.87
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	3	0.87
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	19	0.87

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	17	0.87
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	17	0.87
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	17	0.87
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	17	0.87
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	17	0.87
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	17	0.87
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	17	0.87
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	17	0.87
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	17	0.87
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	2	0.87
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	2	0.87
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	2	0.87
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	16	0.87
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	19	0.87
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	4	0.87
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	5	0.87
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	8	0.87
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	13	0.87
(1,3572)	1:209:A:VAL:HG21	1:210:A:VAL:HA	16	0.87
(1,3572)	1:209:A:VAL:HG22	1:210:A:VAL:HA	16	0.87
(1,3572)	1:209:A:VAL:HG23	1:210:A:VAL:HA	16	0.87
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	18	0.87
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	18	0.87
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	18	0.87
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	13	0.87
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	13	0.87
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	13	0.87
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	11	0.87
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	11	0.87
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	11	0.87
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	15	0.87
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	19	0.87
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	19	0.87
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	19	0.87
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	9	0.87
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	9	0.87
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	9	0.87
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	7	0.87
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	7	0.87
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	7	0.87
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	14	0.87
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	14	0.87

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	14	0.87
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	16	0.87
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	16	0.87
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	8	0.87
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	8	0.87
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	8	0.87
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	8	0.87
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	8	0.87
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	8	0.87
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	1	0.87
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	1	0.87
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	2	0.87
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	2	0.87
(1,2854)	1:166:A:VAL:HG21	1:175:A:PHE:HD1	14	0.87
(1,2854)	1:166:A:VAL:HG21	1:175:A:PHE:HD2	14	0.87
(1,2854)	1:166:A:VAL:HG22	1:175:A:PHE:HD1	14	0.87
(1,2854)	1:166:A:VAL:HG22	1:175:A:PHE:HD2	14	0.87
(1,2854)	1:166:A:VAL:HG23	1:175:A:PHE:HD1	14	0.87
(1,2854)	1:166:A:VAL:HG23	1:175:A:PHE:HD2	14	0.87
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	4	0.87
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	2	0.87
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	19	0.87
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	19	0.87
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	2	0.87
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	11	0.87
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	19	0.87
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	6	0.87
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	6	0.87
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	16	0.87
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	16	0.87
(1,1355)	1:218:A:TYR:HB2	1:219:A:GLN:HG2	5	0.87
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	3	0.87
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	19	0.87
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	17	0.87
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	17	0.87
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	17	0.87
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	17	0.87
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	17	0.87
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	17	0.87
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	17	0.87
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	17	0.87
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	17	0.87

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	2	0.87
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	2	0.87
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	2	0.87
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	16	0.87
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	19	0.87
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	4	0.87
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	5	0.87
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	8	0.87
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	13	0.87
(1,403)	1:209:A:VAL:HG21	1:210:A:VAL:HA	16	0.87
(1,403)	1:209:A:VAL:HG22	1:210:A:VAL:HA	16	0.87
(1,403)	1:209:A:VAL:HG23	1:210:A:VAL:HA	16	0.87
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	18	0.87
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	18	0.87
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	18	0.87
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	13	0.87
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	13	0.87
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	13	0.87
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	11	0.87
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	11	0.87
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	11	0.87
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	15	0.87
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	19	0.87
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	19	0.87
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	19	0.87
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	9	0.87
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	9	0.87
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	9	0.87
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	7	0.87
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	7	0.87
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	7	0.87
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	14	0.87
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	14	0.87
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	14	0.87
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	10	0.86
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	10	0.86
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	10	0.86
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	10	0.86
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	10	0.86
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	10	0.86
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	9	0.86
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	9	0.86

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	9	0.86
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	6	0.86
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	13	0.86
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	20	0.86
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	20	0.86
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	20	0.86
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	3	0.86
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	7	0.86
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	14	0.86
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	14	0.86
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	14	0.86
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	1	0.86
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	1	0.86
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	1	0.86
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	11	0.86
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	10	0.86
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	18	0.86
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	18	0.86
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	18	0.86
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	9	0.86
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	9	0.86
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	9	0.86
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	15	0.86
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	15	0.86
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	15	0.86
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	15	0.86
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	15	0.86
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	15	0.86
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	10	0.86
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	10	0.86
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	10	0.86
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	10	0.86
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	10	0.86
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	10	0.86
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	9	0.86
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	9	0.86
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	9	0.86
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	6	0.86
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	13	0.86
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	20	0.86
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	20	0.86
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	20	0.86

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	3	0.86
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	7	0.86
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	14	0.86
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	14	0.86
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	14	0.86
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	1	0.86
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	1	0.86
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	1	0.86
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	11	0.86
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	10	0.86
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	18	0.86
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	18	0.86
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	18	0.86
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	9	0.86
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	9	0.86
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	9	0.86
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	15	0.86
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	15	0.86
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	15	0.86
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	15	0.86
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	15	0.86
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	15	0.86
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	12	0.85
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	12	0.85
(1,6249)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	12	0.85
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	12	0.85
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	12	0.85
(1,6249)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	12	0.85
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	7	0.85
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	8	0.85
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	14	0.85
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	15	0.85
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	3	0.85
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	20	0.85
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	20	0.85
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	20	0.85
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	15	0.85
(1,4731)	1:227:A:ASP:HA	1:229:A:ARG:HB2	14	0.85
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	13	0.85
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	13	0.85
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	13	0.85
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	19	0.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	19	0.85
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	19	0.85
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	19	0.85
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	19	0.85
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	19	0.85
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	19	0.85
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	19	0.85
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	19	0.85
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	6	0.85
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	6	0.85
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	6	0.85
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	11	0.85
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	11	0.85
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	11	0.85
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	10	0.85
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	10	0.85
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	10	0.85
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	17	0.85
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	9	0.85
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	12	0.85
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	12	0.85
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	12	0.85
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG11	12	0.85
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG12	12	0.85
(1,3080)	1:150:A:TYR:HE1	1:209:A:VAL:HG13	12	0.85
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG11	12	0.85
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG12	12	0.85
(1,3080)	1:150:A:TYR:HE2	1:209:A:VAL:HG13	12	0.85
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	7	0.85
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	8	0.85
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	14	0.85
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	15	0.85
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	3	0.85
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	20	0.85
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	20	0.85
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	20	0.85
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	15	0.85
(1,1562)	1:227:A:ASP:HA	1:229:A:ARG:HB2	14	0.85
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	13	0.85
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	13	0.85
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	13	0.85
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	19	0.85

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	19	0.85
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	19	0.85
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	19	0.85
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	19	0.85
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	19	0.85
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	19	0.85
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	19	0.85
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	19	0.85
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	6	0.85
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	6	0.85
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	6	0.85
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	11	0.85
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	11	0.85
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	11	0.85
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	10	0.85
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	10	0.85
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	10	0.85
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	17	0.85
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	9	0.85
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	12	0.85
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	12	0.85
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	12	0.85
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	15	0.84
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	15	0.84
(1,6089)	1:166:A:VAL:HG21	1:175:A:PHE:HE1	20	0.84
(1,6089)	1:166:A:VAL:HG21	1:175:A:PHE:HE2	20	0.84
(1,6089)	1:166:A:VAL:HG22	1:175:A:PHE:HE1	20	0.84
(1,6089)	1:166:A:VAL:HG22	1:175:A:PHE:HE2	20	0.84
(1,6089)	1:166:A:VAL:HG23	1:175:A:PHE:HE1	20	0.84
(1,6089)	1:166:A:VAL:HG23	1:175:A:PHE:HE2	20	0.84
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	20	0.84
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	10	0.84
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	16	0.84
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	16	0.84
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	16	0.84
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	15	0.84
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	15	0.84
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	18	0.84
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	18	0.84
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	10	0.84
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG21	1	0.84
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG22	1	0.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG23	1	0.84
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	19	0.84
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	2	0.84
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	2	0.84
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	2	0.84
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	2	0.84
(1,4104)	1:145:A:TRP:HA	1:148:A:ARG:HG2	7	0.84
(1,4102)	1:166:A:VAL:HG11	1:225:A:TYR:HB3	14	0.84
(1,4102)	1:166:A:VAL:HG12	1:225:A:TYR:HB3	14	0.84
(1,4102)	1:166:A:VAL:HG13	1:225:A:TYR:HB3	14	0.84
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	2	0.84
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	2	0.84
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	2	0.84
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	2	0.84
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	2	0.84
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	2	0.84
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	2	0.84
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	2	0.84
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	2	0.84
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	5	0.84
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	5	0.84
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	5	0.84
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	13	0.84
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	20	0.84
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	13	0.84
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	13	0.84
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	13	0.84
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	20	0.84
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	20	0.84
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	20	0.84
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	15	0.84
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	15	0.84
(1,2920)	1:166:A:VAL:HG21	1:175:A:PHE:HE1	20	0.84
(1,2920)	1:166:A:VAL:HG21	1:175:A:PHE:HE2	20	0.84
(1,2920)	1:166:A:VAL:HG22	1:175:A:PHE:HE1	20	0.84
(1,2920)	1:166:A:VAL:HG22	1:175:A:PHE:HE2	20	0.84
(1,2920)	1:166:A:VAL:HG23	1:175:A:PHE:HE1	20	0.84
(1,2920)	1:166:A:VAL:HG23	1:175:A:PHE:HE2	20	0.84
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	20	0.84
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	10	0.84
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	16	0.84
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	16	0.84

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	16	0.84
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	15	0.84
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	15	0.84
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	18	0.84
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	18	0.84
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	10	0.84
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG21	1	0.84
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG22	1	0.84
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG23	1	0.84
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	19	0.84
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	2	0.84
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	2	0.84
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	2	0.84
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	2	0.84
(1,935)	1:145:A:TRP:HA	1:148:A:ARG:HG2	7	0.84
(1,933)	1:166:A:VAL:HG11	1:225:A:TYR:HB3	14	0.84
(1,933)	1:166:A:VAL:HG12	1:225:A:TYR:HB3	14	0.84
(1,933)	1:166:A:VAL:HG13	1:225:A:TYR:HB3	14	0.84
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	2	0.84
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	2	0.84
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	2	0.84
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	2	0.84
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	2	0.84
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	2	0.84
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	2	0.84
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	2	0.84
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	2	0.84
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	5	0.84
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	5	0.84
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	5	0.84
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	13	0.84
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	20	0.84
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	13	0.84
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	13	0.84
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	13	0.84
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	20	0.84
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	20	0.84
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	20	0.84
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	12	0.83
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	12	0.83
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	15	0.83
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	18	0.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	15	0.83
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	16	0.83
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	15	0.83
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	15	0.83
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	15	0.83
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	3	0.83
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	3	0.83
(1,4981)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	12	0.83
(1,4981)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	12	0.83
(1,4981)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	12	0.83
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	6	0.83
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	6	0.83
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	7	0.83
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	7	0.83
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	16	0.83
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	3	0.83
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	3	0.83
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	3	0.83
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	20	0.83
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	1	0.83
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	1	0.83
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	1	0.83
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	9	0.83
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	9	0.83
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	9	0.83
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	10	0.83
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	10	0.83
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	10	0.83
(1,4104)	1:145:A:TRP:HA	1:148:A:ARG:HG2	14	0.83
(1,4047)	1:137:A:PRO:HA	1:138:A:MET:HG2	10	0.83
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	16	0.83
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	16	0.83
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	16	0.83
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	3	0.83
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	15	0.83
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	15	0.83
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	15	0.83
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	17	0.83
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	17	0.83
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	17	0.83
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	17	0.83
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	17	0.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	17	0.83
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	19	0.83
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	19	0.83
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	19	0.83
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	12	0.83
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	12	0.83
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	15	0.83
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	18	0.83
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	15	0.83
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	16	0.83
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	15	0.83
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	15	0.83
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	15	0.83
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	3	0.83
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	3	0.83
(1,1812)	1:215:A:VAL:HG21	1:219:A:GLN:HB2	12	0.83
(1,1812)	1:215:A:VAL:HG22	1:219:A:GLN:HB2	12	0.83
(1,1812)	1:215:A:VAL:HG23	1:219:A:GLN:HB2	12	0.83
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	6	0.83
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	6	0.83
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	7	0.83
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	7	0.83
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	16	0.83
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	3	0.83
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	3	0.83
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	3	0.83
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	20	0.83
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	1	0.83
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	1	0.83
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	1	0.83
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	9	0.83
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	9	0.83
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	9	0.83
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	10	0.83
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	10	0.83
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	10	0.83
(1,935)	1:145:A:TRP:HA	1:148:A:ARG:HG2	14	0.83
(1,878)	1:137:A:PRO:HA	1:138:A:MET:HG2	10	0.83
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	16	0.83
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	16	0.83
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	16	0.83
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	3	0.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	15	0.83
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	15	0.83
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	15	0.83
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	17	0.83
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	17	0.83
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	17	0.83
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	17	0.83
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	17	0.83
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	17	0.83
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	19	0.83
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	19	0.83
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	19	0.83
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	2	0.82
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	7	0.82
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	14	0.82
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	14	0.82
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	8	0.82
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	8	0.82
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	8	0.82
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	4	0.82
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	4	0.82
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	4	0.82
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	6	0.82
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	6	0.82
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	6	0.82
(1,4400)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	12	0.82
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	17	0.82
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	17	0.82
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	17	0.82
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	20	0.82
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	20	0.82
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	20	0.82
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE1	4	0.82
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE2	4	0.82
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE3	4	0.82
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD21	4	0.82
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD22	4	0.82
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD23	4	0.82
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD21	4	0.82
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD22	4	0.82
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD23	4	0.82
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	3	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	3	0.82
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	3	0.82
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	20	0.82
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	20	0.82
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	16	0.82
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	2	0.82
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	2	0.82
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	2	0.82
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	6	0.82
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	6	0.82
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	6	0.82
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	19	0.82
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	19	0.82
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	19	0.82
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	16	0.82
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	16	0.82
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	16	0.82
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	2	0.82
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	7	0.82
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	14	0.82
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	14	0.82
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	8	0.82
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	8	0.82
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	8	0.82
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	4	0.82
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	4	0.82
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	4	0.82
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	6	0.82
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	6	0.82
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	6	0.82
(1,1231)	1:184:A:ILE:HG12	1:207:A:GLU:HG3	12	0.82
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	17	0.82
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	17	0.82
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	17	0.82
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	20	0.82
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	20	0.82
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	20	0.82
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE1	4	0.82
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE2	4	0.82
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE3	4	0.82
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD21	4	0.82
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD22	4	0.82

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD23	4	0.82
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD21	4	0.82
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD22	4	0.82
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD23	4	0.82
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	3	0.82
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	3	0.82
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	3	0.82
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	20	0.82
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	20	0.82
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	16	0.82
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	2	0.82
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	2	0.82
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	2	0.82
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	6	0.82
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	6	0.82
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	6	0.82
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	19	0.82
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	19	0.82
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	19	0.82
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	16	0.82
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	16	0.82
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	16	0.82
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	10	0.81
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	5	0.81
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	12	0.81
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	10	0.81
(1,4956)	1:148:A:ARG:HG3	1:152:A:GLU:H	7	0.81
(1,4956)	1:148:A:ARG:HG3	1:152:A:GLU:H	20	0.81
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	8	0.81
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	16	0.81
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	16	0.81
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	16	0.81
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	11	0.81
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	16	0.81
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	12	0.81
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	12	0.81
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	6	0.81
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	15	0.81
(1,4017)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	14	0.81
(1,4017)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	14	0.81
(1,4017)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	14	0.81
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	4	0.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	4	0.81
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	4	0.81
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	7	0.81
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	7	0.81
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	7	0.81
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	8	0.81
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	8	0.81
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	8	0.81
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD21	14	0.81
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD22	14	0.81
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD23	14	0.81
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD21	14	0.81
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD22	14	0.81
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD23	14	0.81
(1,3809)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	15	0.81
(1,3809)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	15	0.81
(1,3809)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	15	0.81
(1,3808)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	15	0.81
(1,3808)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	15	0.81
(1,3808)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	15	0.81
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	8	0.81
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	11	0.81
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	14	0.81
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	11	0.81
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	11	0.81
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	11	0.81
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	4	0.81
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	4	0.81
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	4	0.81
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	18	0.81
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	18	0.81
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	18	0.81
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	5	0.81
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	5	0.81
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	5	0.81
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	20	0.81
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	20	0.81
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	20	0.81
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	10	0.81
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	5	0.81
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	12	0.81
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	10	0.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1787)	1:148:A:ARG:HG3	1:152:A:GLU:H	7	0.81
(1,1787)	1:148:A:ARG:HG3	1:152:A:GLU:H	20	0.81
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	8	0.81
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	16	0.81
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	16	0.81
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	16	0.81
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	11	0.81
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	16	0.81
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	12	0.81
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	12	0.81
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	6	0.81
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	15	0.81
(1,848)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	14	0.81
(1,848)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	14	0.81
(1,848)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	14	0.81
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	4	0.81
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	4	0.81
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	4	0.81
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	7	0.81
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	7	0.81
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	7	0.81
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	8	0.81
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	8	0.81
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	8	0.81
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD21	14	0.81
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD22	14	0.81
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD23	14	0.81
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD21	14	0.81
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD22	14	0.81
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD23	14	0.81
(1,640)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	15	0.81
(1,640)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	15	0.81
(1,640)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	15	0.81
(1,639)	1:161:A:VAL:HG21	1:217:A:GLN:HB3	15	0.81
(1,639)	1:161:A:VAL:HG22	1:217:A:GLN:HB3	15	0.81
(1,639)	1:161:A:VAL:HG23	1:217:A:GLN:HB3	15	0.81
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	8	0.81
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	11	0.81
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	14	0.81
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	11	0.81
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	11	0.81
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	11	0.81

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	4	0.81
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	4	0.81
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	4	0.81
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	18	0.81
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	18	0.81
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	18	0.81
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	5	0.81
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	5	0.81
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	5	0.81
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	20	0.81
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	20	0.81
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	20	0.81
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	3	0.8
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	3	0.8
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	4	0.8
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	4	0.8
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	20	0.8
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	20	0.8
(1,6089)	1:166:A:VAL:HG21	1:175:A:PHE:HE1	1	0.8
(1,6089)	1:166:A:VAL:HG21	1:175:A:PHE:HE2	1	0.8
(1,6089)	1:166:A:VAL:HG22	1:175:A:PHE:HE1	1	0.8
(1,6089)	1:166:A:VAL:HG22	1:175:A:PHE:HE2	1	0.8
(1,6089)	1:166:A:VAL:HG23	1:175:A:PHE:HE1	1	0.8
(1,6089)	1:166:A:VAL:HG23	1:175:A:PHE:HE2	1	0.8
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	5	0.8
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	10	0.8
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	11	0.8
(1,4968)	1:148:A:ARG:HG3	1:149:A:TYR:HA	11	0.8
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	2	0.8
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	14	0.8
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	20	0.8
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	7	0.8
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	15	0.8
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	15	0.8
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	15	0.8
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	2	0.8
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	2	0.8
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	6	0.8
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	6	0.8
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	10	0.8
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG21	6	0.8
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG22	6	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG23	6	0.8
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	20	0.8
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	18	0.8
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	8	0.8
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	1	0.8
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	1	0.8
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	1	0.8
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	5	0.8
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	5	0.8
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	5	0.8
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	16	0.8
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	16	0.8
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	16	0.8
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	4	0.8
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	4	0.8
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	4	0.8
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	6	0.8
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	6	0.8
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	6	0.8
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	2	0.8
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	2	0.8
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	2	0.8
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	2	0.8
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	2	0.8
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	2	0.8
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	13	0.8
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	13	0.8
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	13	0.8
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	3	0.8
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	3	0.8
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	4	0.8
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	4	0.8
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	20	0.8
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	20	0.8
(1,2920)	1:166:A:VAL:HG21	1:175:A:PHE:HE1	1	0.8
(1,2920)	1:166:A:VAL:HG21	1:175:A:PHE:HE2	1	0.8
(1,2920)	1:166:A:VAL:HG22	1:175:A:PHE:HE1	1	0.8
(1,2920)	1:166:A:VAL:HG22	1:175:A:PHE:HE2	1	0.8
(1,2920)	1:166:A:VAL:HG23	1:175:A:PHE:HE1	1	0.8
(1,2920)	1:166:A:VAL:HG23	1:175:A:PHE:HE2	1	0.8
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	5	0.8
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	10	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	11	0.8
(1,1799)	1:148:A:ARG:HG3	1:149:A:TYR:HA	11	0.8
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	2	0.8
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	14	0.8
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	20	0.8
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	7	0.8
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	15	0.8
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	15	0.8
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	15	0.8
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	2	0.8
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	2	0.8
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	6	0.8
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	6	0.8
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	10	0.8
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG21	6	0.8
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG22	6	0.8
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG23	6	0.8
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	20	0.8
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	18	0.8
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	8	0.8
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	1	0.8
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	1	0.8
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	1	0.8
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	5	0.8
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	5	0.8
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	5	0.8
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	16	0.8
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	16	0.8
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	16	0.8
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	4	0.8
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	4	0.8
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	4	0.8
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	6	0.8
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	6	0.8
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	6	0.8
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	2	0.8
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	2	0.8
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	2	0.8
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	2	0.8
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	2	0.8
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	2	0.8
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	13	0.8

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	13	0.8
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	13	0.8
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	16	0.79
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	13	0.79
(1,4956)	1:148:A:ARG:HG3	1:152:A:GLU:H	13	0.79
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	11	0.79
(1,4636)	1:161:A:VAL:HG11	1:213:A:MET:HG3	15	0.79
(1,4636)	1:161:A:VAL:HG12	1:213:A:MET:HG3	15	0.79
(1,4636)	1:161:A:VAL:HG13	1:213:A:MET:HG3	15	0.79
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	4	0.79
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	3	0.79
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	3	0.79
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	3	0.79
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	1	0.79
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	1	0.79
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	1	0.79
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	6	0.79
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	18	0.79
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	10	0.79
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	10	0.79
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	10	0.79
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	1	0.79
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	1	0.79
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	1	0.79
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	1	0.79
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	1	0.79
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	1	0.79
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	9	0.79
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	9	0.79
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	9	0.79
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	16	0.79
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	13	0.79
(1,1787)	1:148:A:ARG:HG3	1:152:A:GLU:H	13	0.79
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	11	0.79
(1,1467)	1:161:A:VAL:HG11	1:213:A:MET:HG3	15	0.79
(1,1467)	1:161:A:VAL:HG12	1:213:A:MET:HG3	15	0.79
(1,1467)	1:161:A:VAL:HG13	1:213:A:MET:HG3	15	0.79
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	4	0.79
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	3	0.79
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	3	0.79
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	3	0.79
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	1	0.79

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	1	0.79
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	1	0.79
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	6	0.79
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	18	0.79
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	10	0.79
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	10	0.79
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	10	0.79
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	1	0.79
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	1	0.79
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	1	0.79
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	1	0.79
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	1	0.79
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	1	0.79
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	9	0.79
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	9	0.79
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	9	0.79
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	6	0.78
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	5	0.78
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	5	0.78
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	16	0.78
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	16	0.78
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	18	0.78
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	18	0.78
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	5	0.78
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	7	0.78
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	7	0.78
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	7	0.78
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	8	0.78
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	17	0.78
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	15	0.78
(1,4884)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	15	0.78
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	9	0.78
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	9	0.78
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	9	0.78
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	10	0.78
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	2	0.78
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	3	0.78
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	9	0.78
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	2	0.78
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	2	0.78
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	2	0.78
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	20	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	20	0.78
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	20	0.78
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	5	0.78
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	4	0.78
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	4	0.78
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	4	0.78
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	7	0.78
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	6	0.78
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	6	0.78
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	6	0.78
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	3	0.78
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	3	0.78
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	3	0.78
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	3	0.78
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	3	0.78
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	3	0.78
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	3	0.78
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	3	0.78
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	3	0.78
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	19	0.78
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	19	0.78
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	19	0.78
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	5	0.78
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD21	9	0.78
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD22	9	0.78
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD23	9	0.78
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD21	9	0.78
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD22	9	0.78
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD23	9	0.78
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	11	0.78
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	6	0.78
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	6	0.78
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	6	0.78
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	3	0.78
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	3	0.78
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	3	0.78
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	3	0.78
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	3	0.78
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	3	0.78
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	3	0.78
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	3	0.78
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	3	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	6	0.78
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	5	0.78
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	5	0.78
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	16	0.78
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	16	0.78
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	18	0.78
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	18	0.78
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	5	0.78
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	7	0.78
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	7	0.78
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	7	0.78
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	8	0.78
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	17	0.78
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD2	15	0.78
(1,1715)	1:146:A:GLU:HB2	1:204:A:LYS:HD3	15	0.78
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	9	0.78
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	9	0.78
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	9	0.78
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	10	0.78
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	2	0.78
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	3	0.78
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	9	0.78
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	2	0.78
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	2	0.78
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	2	0.78
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	20	0.78
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	20	0.78
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	20	0.78
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	5	0.78
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	4	0.78
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	4	0.78
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	4	0.78
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	7	0.78
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	6	0.78
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	6	0.78
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	6	0.78
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	3	0.78
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	3	0.78
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	3	0.78
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	3	0.78
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	3	0.78
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	3	0.78

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	3	0.78
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	3	0.78
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	3	0.78
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	19	0.78
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	19	0.78
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	19	0.78
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	5	0.78
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD21	9	0.78
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD22	9	0.78
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD23	9	0.78
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD21	9	0.78
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD22	9	0.78
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD23	9	0.78
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	11	0.78
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	6	0.78
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	6	0.78
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	6	0.78
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	3	0.78
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	3	0.78
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	3	0.78
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	3	0.78
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	3	0.78
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	3	0.78
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	3	0.78
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	3	0.78
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	3	0.78
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	14	0.77
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	14	0.77
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	8	0.77
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	8	0.77
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	13	0.77
(1,5363)	1:161:A:VAL:HG21	1:218:A:TYR:H	10	0.77
(1,5363)	1:161:A:VAL:HG22	1:218:A:TYR:H	10	0.77
(1,5363)	1:161:A:VAL:HG23	1:218:A:TYR:H	10	0.77
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	8	0.77
(1,4967)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	4	0.77
(1,4941)	1:164:A:ARG:HE	1:165:A:PRO:HG3	1	0.77
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	18	0.77
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	19	0.77
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	14	0.77
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	14	0.77
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	14	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	4	0.77
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	17	0.77
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	4	0.77
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	3	0.77
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	3	0.77
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	3	0.77
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	14	0.77
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	14	0.77
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	14	0.77
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD11	19	0.77
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD12	19	0.77
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD13	19	0.77
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	8	0.77
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	8	0.77
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	8	0.77
(1,4251)	1:170:A:SER:HA	1:171:A:ASN:HB2	11	0.77
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	1	0.77
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	1	0.77
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	1	0.77
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	14	0.77
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	14	0.77
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	14	0.77
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	20	0.77
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	9	0.77
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	9	0.77
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	9	0.77
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	7	0.77
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	7	0.77
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	7	0.77
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	7	0.77
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	7	0.77
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	7	0.77
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	11	0.77
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	6	0.77
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	6	0.77
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	6	0.77
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	14	0.77
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	14	0.77
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	8	0.77
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	8	0.77
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	13	0.77
(1,2194)	1:161:A:VAL:HG21	1:218:A:TYR:H	10	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2194)	1:161:A:VAL:HG22	1:218:A:TYR:H	10	0.77
(1,2194)	1:161:A:VAL:HG23	1:218:A:TYR:H	10	0.77
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	8	0.77
(1,1798)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	4	0.77
(1,1772)	1:164:A:ARG:HE	1:165:A:PRO:HG3	1	0.77
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	18	0.77
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	19	0.77
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	14	0.77
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	14	0.77
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	14	0.77
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	4	0.77
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	17	0.77
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	4	0.77
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	3	0.77
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	3	0.77
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	3	0.77
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	14	0.77
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	14	0.77
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	14	0.77
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD11	19	0.77
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD12	19	0.77
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD13	19	0.77
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	8	0.77
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	8	0.77
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	8	0.77
(1,1082)	1:170:A:SER:HA	1:171:A:ASN:HB2	11	0.77
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	1	0.77
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	1	0.77
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	1	0.77
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	14	0.77
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	14	0.77
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	14	0.77
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	20	0.77
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	9	0.77
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	9	0.77
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	9	0.77
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	7	0.77
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	7	0.77
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	7	0.77
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	7	0.77
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	7	0.77
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	7	0.77

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	11	0.77
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	6	0.77
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	6	0.77
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	6	0.77
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	12	0.76
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	12	0.76
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	14	0.76
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	14	0.76
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	16	0.76
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	16	0.76
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	17	0.76
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	17	0.76
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	10	0.76
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	10	0.76
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	13	0.76
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	13	0.76
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	17	0.76
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	17	0.76
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	7	0.76
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	7	0.76
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	7	0.76
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	5	0.76
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	14	0.76
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	14	0.76
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	14	0.76
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	6	0.76
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	6	0.76
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	6	0.76
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	16	0.76
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	16	0.76
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	16	0.76
(1,4104)	1:145:A:TRP:HA	1:148:A:ARG:HG2	20	0.76
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	20	0.76
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	20	0.76
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	20	0.76
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	20	0.76
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	20	0.76
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	20	0.76
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	20	0.76
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	20	0.76
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	20	0.76
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	18	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	7	0.76
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	7	0.76
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	7	0.76
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	6	0.76
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	6	0.76
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	6	0.76
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	11	0.76
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	11	0.76
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	11	0.76
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	15	0.76
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	20	0.76
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	13	0.76
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	13	0.76
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	13	0.76
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	6	0.76
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	6	0.76
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	6	0.76
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	6	0.76
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	6	0.76
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	6	0.76
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	10	0.76
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	10	0.76
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	10	0.76
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	10	0.76
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	10	0.76
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	10	0.76
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	14	0.76
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	14	0.76
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	14	0.76
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	14	0.76
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	14	0.76
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	14	0.76
(1,3212)	1:210:A:VAL:HG11	1:214:A:CYS:H	5	0.76
(1,3212)	1:210:A:VAL:HG12	1:214:A:CYS:H	5	0.76
(1,3212)	1:210:A:VAL:HG13	1:214:A:CYS:H	5	0.76
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	12	0.76
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	12	0.76
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	14	0.76
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	14	0.76
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	16	0.76
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	16	0.76
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	17	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	17	0.76
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	10	0.76
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	10	0.76
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	13	0.76
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	13	0.76
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	17	0.76
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	17	0.76
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	7	0.76
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	7	0.76
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	7	0.76
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	5	0.76
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	14	0.76
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	14	0.76
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	14	0.76
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	6	0.76
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	6	0.76
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	6	0.76
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	16	0.76
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	16	0.76
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	16	0.76
(1,935)	1:145:A:TRP:HA	1:148:A:ARG:HG2	20	0.76
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	20	0.76
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	20	0.76
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	20	0.76
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	20	0.76
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	20	0.76
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	20	0.76
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	20	0.76
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	20	0.76
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	20	0.76
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	18	0.76
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	7	0.76
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	7	0.76
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	7	0.76
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	6	0.76
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	6	0.76
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	6	0.76
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	11	0.76
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	11	0.76
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	11	0.76
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	15	0.76
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	20	0.76

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	13	0.76
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	13	0.76
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	13	0.76
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	6	0.76
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	6	0.76
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	6	0.76
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	6	0.76
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	6	0.76
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	6	0.76
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	10	0.76
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	10	0.76
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	10	0.76
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	10	0.76
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	10	0.76
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	10	0.76
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	14	0.76
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	14	0.76
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	14	0.76
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	14	0.76
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	14	0.76
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	14	0.76
(1,43)	1:210:A:VAL:HG11	1:214:A:CYS:H	5	0.76
(1,43)	1:210:A:VAL:HG12	1:214:A:CYS:H	5	0.76
(1,43)	1:210:A:VAL:HG13	1:214:A:CYS:H	5	0.76
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	18	0.75
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	18	0.75
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	4	0.75
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	4	0.75
(1,5777)	1:132:A:SER:H	1:217:A:GLN:HE21	16	0.75
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	16	0.75
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	16	0.75
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	16	0.75
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	6	0.75
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	19	0.75
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	11	0.75
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	4	0.75
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	7	0.75
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	20	0.75
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	20	0.75
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	20	0.75
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	15	0.75
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	15	0.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	15	0.75
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	15	0.75
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	18	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	3	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	3	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	3	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	3	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	3	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	3	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	9	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	9	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	9	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	9	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	9	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	9	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	16	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	16	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	16	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	16	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	16	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	16	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	18	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	18	0.75
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	18	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	18	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	18	0.75
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	18	0.75
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	9	0.75
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	9	0.75
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	9	0.75
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	18	0.75
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	18	0.75
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	4	0.75
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	4	0.75
(1,2608)	1:132:A:SER:H	1:217:A:GLN:HE21	16	0.75
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	16	0.75
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	16	0.75
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	16	0.75
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	6	0.75
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	19	0.75
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	11	0.75
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	4	0.75

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	7	0.75
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	20	0.75
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	20	0.75
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	20	0.75
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	15	0.75
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	15	0.75
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	15	0.75
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	15	0.75
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	18	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	3	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	3	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	3	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	3	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	3	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	3	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	9	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	9	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	9	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	9	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	9	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	9	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	16	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	16	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	16	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	16	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	16	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	16	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	18	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	18	0.75
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	18	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	18	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	18	0.75
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	18	0.75
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	9	0.75
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	9	0.75
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	9	0.75
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	15	0.74
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	15	0.74
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	17	0.74
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	17	0.74
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	20	0.74
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	20	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	3	0.74
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	3	0.74
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	3	0.74
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	10	0.74
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	13	0.74
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	8	0.74
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	3	0.74
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	3	0.74
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	3	0.74
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	14	0.74
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	14	0.74
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	14	0.74
(1,4968)	1:148:A:ARG:HG3	1:149:A:TYR:HA	20	0.74
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	8	0.74
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	8	0.74
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	8	0.74
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	12	0.74
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	17	0.74
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	8	0.74
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	12	0.74
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	12	0.74
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	12	0.74
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	2	0.74
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	5	0.74
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	5	0.74
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	5	0.74
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	9	0.74
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	9	0.74
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	9	0.74
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	11	0.74
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	11	0.74
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	11	0.74
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	18	0.74
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	10	0.74
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	10	0.74
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	10	0.74
(1,3505)	1:166:A:VAL:HG11	1:225:A:TYR:HB2	14	0.74
(1,3505)	1:166:A:VAL:HG12	1:225:A:TYR:HB2	14	0.74
(1,3505)	1:166:A:VAL:HG13	1:225:A:TYR:HB2	14	0.74
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	8	0.74
(1,3338)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	5	0.74
(1,3338)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	5	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	4	0.74
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	4	0.74
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	4	0.74
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	4	0.74
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	4	0.74
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	4	0.74
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	12	0.74
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	12	0.74
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	12	0.74
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	12	0.74
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	12	0.74
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	12	0.74
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	5	0.74
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	5	0.74
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	5	0.74
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	5	0.74
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	5	0.74
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	5	0.74
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	15	0.74
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	15	0.74
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	17	0.74
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	17	0.74
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	20	0.74
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	20	0.74
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	3	0.74
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	3	0.74
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	3	0.74
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	10	0.74
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	13	0.74
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	8	0.74
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	3	0.74
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	3	0.74
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	3	0.74
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	14	0.74
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	14	0.74
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	14	0.74
(1,1799)	1:148:A:ARG:HG3	1:149:A:TYR:HA	20	0.74
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	8	0.74
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	8	0.74
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	8	0.74
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	12	0.74
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	17	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	8	0.74
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	12	0.74
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	12	0.74
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	12	0.74
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	2	0.74
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	5	0.74
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	5	0.74
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	5	0.74
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	9	0.74
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	9	0.74
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	9	0.74
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	11	0.74
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	11	0.74
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	11	0.74
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	18	0.74
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	10	0.74
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	10	0.74
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	10	0.74
(1,336)	1:166:A:VAL:HG11	1:225:A:TYR:HB2	14	0.74
(1,336)	1:166:A:VAL:HG12	1:225:A:TYR:HB2	14	0.74
(1,336)	1:166:A:VAL:HG13	1:225:A:TYR:HB2	14	0.74
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	8	0.74
(1,169)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	5	0.74
(1,169)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	5	0.74
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	4	0.74
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	4	0.74
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	4	0.74
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	4	0.74
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	4	0.74
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	4	0.74
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	12	0.74
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	12	0.74
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	12	0.74
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	12	0.74
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	12	0.74
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	12	0.74
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	5	0.74
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	5	0.74
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	5	0.74
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	5	0.74
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	5	0.74
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	5	0.74

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6317)	1:218:A:TYR:HE1	1:222:A:SER:HB2	13	0.73
(1,6317)	1:218:A:TYR:HE2	1:222:A:SER:HB2	13	0.73
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	2	0.73
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	2	0.73
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	19	0.73
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	19	0.73
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	14	0.73
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	14	0.73
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	14	0.73
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	4	0.73
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	18	0.73
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	5	0.73
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	16	0.73
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	16	0.73
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	16	0.73
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	16	0.73
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	16	0.73
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	13	0.73
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	8	0.73
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	8	0.73
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	8	0.73
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	8	0.73
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	8	0.73
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	8	0.73
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	13	0.73
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	13	0.73
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	13	0.73
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	13	0.73
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	13	0.73
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	13	0.73
(1,3148)	1:218:A:TYR:HE1	1:222:A:SER:HB2	13	0.73
(1,3148)	1:218:A:TYR:HE2	1:222:A:SER:HB2	13	0.73
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	2	0.73
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	2	0.73
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	19	0.73
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	19	0.73
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	14	0.73
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	14	0.73
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	14	0.73
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	4	0.73
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	18	0.73
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	5	0.73

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	16	0.73
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	16	0.73
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	16	0.73
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	16	0.73
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	16	0.73
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	13	0.73
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	8	0.73
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	8	0.73
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	8	0.73
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	8	0.73
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	8	0.73
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	8	0.73
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	13	0.73
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	13	0.73
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	13	0.73
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	13	0.73
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	13	0.73
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	13	0.73
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	13	0.72
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	13	0.72
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	7	0.72
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	7	0.72
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG11	12	0.72
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG12	12	0.72
(1,5694)	1:212:A:GLN:H	1:215:A:VAL:HG13	12	0.72
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	7	0.72
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	5	0.72
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	5	0.72
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	5	0.72
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	12	0.72
(1,4929)	1:176:A:VAL:H	1:177:A:HIS:HB3	10	0.72
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	4	0.72
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	4	0.72
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	4	0.72
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	10	0.72
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	10	0.72
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	10	0.72
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	8	0.72
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	2	0.72
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	20	0.72
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	13	0.72
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	13	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	13	0.72
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	13	0.72
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	13	0.72
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	13	0.72
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	11	0.72
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	11	0.72
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	11	0.72
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	1	0.72
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	1	0.72
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	1	0.72
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	6	0.72
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	14	0.72
(1,4251)	1:170:A:SER:HA	1:171:A:ASN:HB2	7	0.72
(1,4104)	1:145:A:TRP:HA	1:148:A:ARG:HG2	13	0.72
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE1	3	0.72
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE2	3	0.72
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE3	3	0.72
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	18	0.72
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	18	0.72
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	18	0.72
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	14	0.72
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	14	0.72
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	14	0.72
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	20	0.72
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	20	0.72
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	20	0.72
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	20	0.72
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	20	0.72
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	20	0.72
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	10	0.72
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	10	0.72
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	10	0.72
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	12	0.72
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	12	0.72
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	12	0.72
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	13	0.72
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	13	0.72
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	7	0.72
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	7	0.72
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG11	12	0.72
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG12	12	0.72
(1,2525)	1:212:A:GLN:H	1:215:A:VAL:HG13	12	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	7	0.72
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	5	0.72
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	5	0.72
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	5	0.72
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	12	0.72
(1,1760)	1:176:A:VAL:H	1:177:A:HIS:HB3	10	0.72
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	4	0.72
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	4	0.72
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	4	0.72
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	10	0.72
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	10	0.72
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	10	0.72
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	8	0.72
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	2	0.72
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	20	0.72
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	13	0.72
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	13	0.72
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	13	0.72
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	13	0.72
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	13	0.72
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	13	0.72
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	11	0.72
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	11	0.72
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	11	0.72
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	1	0.72
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	1	0.72
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	1	0.72
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	6	0.72
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	14	0.72
(1,1082)	1:170:A:SER:HA	1:171:A:ASN:HB2	7	0.72
(1,935)	1:145:A:TRP:HA	1:148:A:ARG:HG2	13	0.72
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE1	3	0.72
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE2	3	0.72
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE3	3	0.72
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	18	0.72
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	18	0.72
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	18	0.72
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	14	0.72
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	14	0.72
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	14	0.72
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	20	0.72
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	20	0.72

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	20	0.72
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	20	0.72
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	20	0.72
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	20	0.72
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	10	0.72
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	10	0.72
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	10	0.72
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	12	0.72
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	12	0.72
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	12	0.72
(1,6219)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	14	0.71
(1,6219)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	14	0.71
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	18	0.71
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	18	0.71
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	9	0.71
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	19	0.71
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	20	0.71
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	10	0.71
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	10	0.71
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	10	0.71
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	12	0.71
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	12	0.71
(1,4968)	1:148:A:ARG:HG3	1:149:A:TYR:HA	1	0.71
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	17	0.71
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	15	0.71
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	5	0.71
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	5	0.71
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	15	0.71
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	15	0.71
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	15	0.71
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	15	0.71
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	15	0.71
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	15	0.71
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	2	0.71
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	9	0.71
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	12	0.71
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	2	0.71
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	2	0.71
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	2	0.71
(1,4023)	1:221:A:GLU:HB3	1:222:A:SER:HB2	8	0.71
(1,3806)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	15	0.71
(1,3806)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	15	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3806)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	15	0.71
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	13	0.71
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	13	0.71
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	13	0.71
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	13	0.71
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	13	0.71
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	13	0.71
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	2	0.71
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	2	0.71
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	2	0.71
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	5	0.71
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	5	0.71
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	5	0.71
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	5	0.71
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	5	0.71
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	5	0.71
(1,3050)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	14	0.71
(1,3050)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	14	0.71
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	18	0.71
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	18	0.71
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	9	0.71
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	19	0.71
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	20	0.71
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	10	0.71
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	10	0.71
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	10	0.71
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	12	0.71
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	12	0.71
(1,1799)	1:148:A:ARG:HG3	1:149:A:TYR:HA	1	0.71
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	17	0.71
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	15	0.71
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	5	0.71
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	5	0.71
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	15	0.71
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	15	0.71
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	15	0.71
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	15	0.71
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	15	0.71
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	15	0.71
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	2	0.71
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	9	0.71
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	12	0.71

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	2	0.71
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	2	0.71
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	2	0.71
(1,854)	1:221:A:GLU:HB3	1:222:A:SER:HB2	8	0.71
(1,637)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	15	0.71
(1,637)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	15	0.71
(1,637)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	15	0.71
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	13	0.71
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	13	0.71
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	13	0.71
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	13	0.71
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	13	0.71
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	13	0.71
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	2	0.71
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	2	0.71
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	2	0.71
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	5	0.71
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	5	0.71
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	5	0.71
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	5	0.71
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	5	0.71
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	5	0.71
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	17	0.7
(1,6134)	1:141:A:PHE:HE1	1:205:A:MET:HB2	9	0.7
(1,6134)	1:141:A:PHE:HE2	1:205:A:MET:HB2	9	0.7
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	11	0.7
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	11	0.7
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	4	0.7
(1,5444)	1:166:A:VAL:H	1:221:A:GLU:HG2	20	0.7
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	10	0.7
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	15	0.7
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	15	0.7
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	15	0.7
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	8	0.7
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	18	0.7
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	18	0.7
(1,4765)	1:166:A:VAL:HG11	1:167:A:ASP:HA	20	0.7
(1,4765)	1:166:A:VAL:HG12	1:167:A:ASP:HA	20	0.7
(1,4765)	1:166:A:VAL:HG13	1:167:A:ASP:HA	20	0.7
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG21	12	0.7
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG22	12	0.7
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG23	12	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	16	0.7
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	11	0.7
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	11	0.7
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	7	0.7
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	18	0.7
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	18	0.7
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	1	0.7
(1,4346)	1:135:A:SER:HA	1:136:A:ARG:HG3	19	0.7
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	1	0.7
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	1	0.7
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	1	0.7
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	3	0.7
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	3	0.7
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	3	0.7
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	6	0.7
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	6	0.7
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	6	0.7
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	6	0.7
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	6	0.7
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	6	0.7
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	6	0.7
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	6	0.7
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	6	0.7
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	18	0.7
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	18	0.7
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	18	0.7
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	18	0.7
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	18	0.7
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	18	0.7
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	4	0.7
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	4	0.7
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	4	0.7
(1,3489)	1:166:A:VAL:HG21	1:218:A:TYR:HA	1	0.7
(1,3489)	1:166:A:VAL:HG22	1:218:A:TYR:HA	1	0.7
(1,3489)	1:166:A:VAL:HG23	1:218:A:TYR:HA	1	0.7
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	2	0.7
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	2	0.7
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	2	0.7
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	6	0.7
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	6	0.7
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	6	0.7
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	6	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	6	0.7
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	6	0.7
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	18	0.7
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	18	0.7
(1,3366)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	18	0.7
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	18	0.7
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	18	0.7
(1,3366)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	18	0.7
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	19	0.7
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	15	0.7
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	15	0.7
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	15	0.7
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	15	0.7
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	15	0.7
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	15	0.7
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	17	0.7
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	17	0.7
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	17	0.7
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	17	0.7
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	17	0.7
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	17	0.7
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	7	0.7
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	7	0.7
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	7	0.7
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	1	0.7
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	1	0.7
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	1	0.7
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	12	0.7
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	12	0.7
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	12	0.7
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	1	0.7
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	1	0.7
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	1	0.7
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	1	0.7
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	1	0.7
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	1	0.7
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	17	0.7
(1,2965)	1:141:A:PHE:HE1	1:205:A:MET:HB2	9	0.7
(1,2965)	1:141:A:PHE:HE2	1:205:A:MET:HB2	9	0.7
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	11	0.7
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	11	0.7
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	4	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2275)	1:166:A:VAL:H	1:221:A:GLU:HG2	20	0.7
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	10	0.7
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	15	0.7
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	15	0.7
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	15	0.7
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	8	0.7
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	18	0.7
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	18	0.7
(1,1596)	1:166:A:VAL:HG11	1:167:A:ASP:HA	20	0.7
(1,1596)	1:166:A:VAL:HG12	1:167:A:ASP:HA	20	0.7
(1,1596)	1:166:A:VAL:HG13	1:167:A:ASP:HA	20	0.7
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG21	12	0.7
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG22	12	0.7
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG23	12	0.7
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	16	0.7
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	11	0.7
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	11	0.7
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	7	0.7
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	18	0.7
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	18	0.7
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	1	0.7
(1,1177)	1:135:A:SER:HA	1:136:A:ARG:HG3	19	0.7
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	1	0.7
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	1	0.7
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	1	0.7
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	3	0.7
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	3	0.7
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	3	0.7
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	6	0.7
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	6	0.7
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	6	0.7
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	6	0.7
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	6	0.7
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	6	0.7
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	6	0.7
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	6	0.7
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	6	0.7
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	18	0.7
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	18	0.7
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	18	0.7
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	18	0.7
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	18	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	18	0.7
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	4	0.7
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	4	0.7
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	4	0.7
(1,320)	1:166:A:VAL:HG21	1:218:A:TYR:HA	1	0.7
(1,320)	1:166:A:VAL:HG22	1:218:A:TYR:HA	1	0.7
(1,320)	1:166:A:VAL:HG23	1:218:A:TYR:HA	1	0.7
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	2	0.7
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	2	0.7
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	2	0.7
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	6	0.7
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	6	0.7
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	6	0.7
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	6	0.7
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	6	0.7
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	6	0.7
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG11	18	0.7
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG12	18	0.7
(1,197)	1:198:A:PHE:HB3	1:203:A:VAL:HG13	18	0.7
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG11	18	0.7
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG12	18	0.7
(1,197)	1:198:A:PHE:HB2	1:203:A:VAL:HG13	18	0.7
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	19	0.7
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	15	0.7
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	15	0.7
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	15	0.7
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	15	0.7
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	15	0.7
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	15	0.7
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	17	0.7
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	17	0.7
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	17	0.7
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	17	0.7
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	17	0.7
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	17	0.7
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	7	0.7
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	7	0.7
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	7	0.7
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	1	0.7
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	1	0.7
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	1	0.7
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	12	0.7

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	12	0.7
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	12	0.7
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	1	0.7
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	1	0.7
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	1	0.7
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	1	0.7
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	1	0.7
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	1	0.7
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	3	0.69
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	3	0.69
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	8	0.69
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	8	0.69
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	9	0.69
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	5	0.69
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	9	0.69
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	7	0.69
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	3	0.69
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	1	0.69
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	1	0.69
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	1	0.69
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	4	0.69
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	6	0.69
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	6	0.69
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	6	0.69
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	4	0.69
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	5	0.69
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	17	0.69
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	17	0.69
(1,4765)	1:166:A:VAL:HG11	1:167:A:ASP:HA	14	0.69
(1,4765)	1:166:A:VAL:HG12	1:167:A:ASP:HA	14	0.69
(1,4765)	1:166:A:VAL:HG13	1:167:A:ASP:HA	14	0.69
(1,4632)	1:166:A:VAL:HB	1:222:A:SER:HB2	15	0.69
(1,4577)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	9	0.69
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	10	0.69
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	10	0.69
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	10	0.69
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	13	0.69
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	13	0.69
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	13	0.69
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	20	0.69
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	20	0.69
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	20	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	15	0.69
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	15	0.69
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	15	0.69
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	3	0.69
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	7	0.69
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	8	0.69
(1,3489)	1:166:A:VAL:HG21	1:218:A:TYR:HA	14	0.69
(1,3489)	1:166:A:VAL:HG22	1:218:A:TYR:HA	14	0.69
(1,3489)	1:166:A:VAL:HG23	1:218:A:TYR:HA	14	0.69
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	20	0.69
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	20	0.69
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	20	0.69
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	20	0.69
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	20	0.69
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	20	0.69
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	20	0.69
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	20	0.69
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	20	0.69
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	3	0.69
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	3	0.69
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	3	0.69
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	3	0.69
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	3	0.69
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	3	0.69
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	18	0.69
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	18	0.69
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	18	0.69
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	3	0.69
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	3	0.69
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	8	0.69
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	8	0.69
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	9	0.69
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	5	0.69
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	9	0.69
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	7	0.69
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	3	0.69
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	1	0.69
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	1	0.69
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	1	0.69
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	4	0.69
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	6	0.69
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	6	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	6	0.69
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	4	0.69
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	5	0.69
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	17	0.69
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	17	0.69
(1,1596)	1:166:A:VAL:HG11	1:167:A:ASP:HA	14	0.69
(1,1596)	1:166:A:VAL:HG12	1:167:A:ASP:HA	14	0.69
(1,1596)	1:166:A:VAL:HG13	1:167:A:ASP:HA	14	0.69
(1,1463)	1:166:A:VAL:HB	1:222:A:SER:HB2	15	0.69
(1,1408)	1:131:A:GLY:HA2	1:160:A:GLN:HB2	9	0.69
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	10	0.69
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	10	0.69
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	10	0.69
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	13	0.69
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	13	0.69
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	13	0.69
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	20	0.69
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	20	0.69
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	20	0.69
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	15	0.69
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	15	0.69
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	15	0.69
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	3	0.69
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	7	0.69
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	8	0.69
(1,320)	1:166:A:VAL:HG21	1:218:A:TYR:HA	14	0.69
(1,320)	1:166:A:VAL:HG22	1:218:A:TYR:HA	14	0.69
(1,320)	1:166:A:VAL:HG23	1:218:A:TYR:HA	14	0.69
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	20	0.69
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	20	0.69
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	20	0.69
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	20	0.69
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	20	0.69
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	20	0.69
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	20	0.69
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	20	0.69
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	20	0.69
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	3	0.69
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	3	0.69
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	3	0.69
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	3	0.69
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	3	0.69

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	3	0.69
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	18	0.69
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	18	0.69
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	18	0.69
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	1	0.68
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	1	0.68
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	3	0.68
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	3	0.68
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	6	0.68
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	6	0.68
(1,5021)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	6	0.68
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	7	0.68
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	7	0.68
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	6	0.68
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	17	0.68
(1,4652)	1:184:A:ILE:HG21	1:206:A:MET:HG3	8	0.68
(1,4652)	1:184:A:ILE:HG22	1:206:A:MET:HG3	8	0.68
(1,4652)	1:184:A:ILE:HG23	1:206:A:MET:HG3	8	0.68
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	17	0.68
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	1	0.68
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	1	0.68
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	1	0.68
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	1	0.68
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	1	0.68
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	1	0.68
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	10	0.68
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	10	0.68
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	10	0.68
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	10	0.68
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	10	0.68
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	10	0.68
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	4	0.68
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	17	0.68
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	3	0.68
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	3	0.68
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	3	0.68
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	19	0.68
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	17	0.68
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	17	0.68
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	20	0.68
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	11	0.68
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	20	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	13	0.68
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	13	0.68
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	13	0.68
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	13	0.68
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	13	0.68
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	13	0.68
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	13	0.68
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	13	0.68
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	13	0.68
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	5	0.68
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	5	0.68
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	5	0.68
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	13	0.68
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	13	0.68
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	13	0.68
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	19	0.68
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	19	0.68
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	19	0.68
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	1	0.68
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	1	0.68
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	3	0.68
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	3	0.68
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG21	6	0.68
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG22	6	0.68
(1,1852)	1:158:A:PRO:HD3	1:209:A:VAL:HG23	6	0.68
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	7	0.68
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	7	0.68
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	6	0.68
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	17	0.68
(1,1483)	1:184:A:ILE:HG21	1:206:A:MET:HG3	8	0.68
(1,1483)	1:184:A:ILE:HG22	1:206:A:MET:HG3	8	0.68
(1,1483)	1:184:A:ILE:HG23	1:206:A:MET:HG3	8	0.68
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	17	0.68
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	1	0.68
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	1	0.68
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	1	0.68
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	1	0.68
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	1	0.68
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	1	0.68
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	10	0.68
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	10	0.68
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	10	0.68

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	10	0.68
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	10	0.68
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	10	0.68
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	4	0.68
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	17	0.68
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	3	0.68
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	3	0.68
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	3	0.68
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	19	0.68
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	17	0.68
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	17	0.68
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	20	0.68
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	11	0.68
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	20	0.68
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	13	0.68
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	13	0.68
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	13	0.68
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	13	0.68
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	13	0.68
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	13	0.68
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	13	0.68
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	13	0.68
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	13	0.68
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	5	0.68
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	5	0.68
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	5	0.68
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	13	0.68
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	13	0.68
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	13	0.68
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	19	0.68
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	19	0.68
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	19	0.68
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	18	0.67
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	9	0.67
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	9	0.67
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	9	0.67
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	9	0.67
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	13	0.67
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	11	0.67
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	13	0.67
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	6	0.67
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	14	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	3	0.67
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	5	0.67
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	5	0.67
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	16	0.67
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	16	0.67
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	1	0.67
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	12	0.67
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	18	0.67
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	5	0.67
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	5	0.67
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	5	0.67
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	5	0.67
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	5	0.67
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	5	0.67
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	5	0.67
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	11	0.67
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	11	0.67
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	12	0.67
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	20	0.67
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	8	0.67
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	13	0.67
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	16	0.67
(1,4104)	1:145:A:TRP:HA	1:148:A:ARG:HG2	12	0.67
(1,3771)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	4	0.67
(1,3771)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	4	0.67
(1,3771)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	4	0.67
(1,3771)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	4	0.67
(1,3771)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	4	0.67
(1,3771)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	4	0.67
(1,3771)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	4	0.67
(1,3771)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	4	0.67
(1,3771)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	4	0.67
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	2	0.67
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	2	0.67
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	5	0.67
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	5	0.67
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	5	0.67
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	5	0.67
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	5	0.67
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	5	0.67
(1,3540)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	12	0.67
(1,3540)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	12	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3540)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	12	0.67
(1,3432)	1:130:A:LEU:HD11	1:161:A:VAL:HA	5	0.67
(1,3432)	1:130:A:LEU:HD12	1:161:A:VAL:HA	5	0.67
(1,3432)	1:130:A:LEU:HD13	1:161:A:VAL:HA	5	0.67
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	1	0.67
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	1	0.67
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	1	0.67
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	12	0.67
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	12	0.67
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	12	0.67
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	16	0.67
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	16	0.67
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	16	0.67
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	20	0.67
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	20	0.67
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	20	0.67
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	10	0.67
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	10	0.67
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	10	0.67
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	18	0.67
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	9	0.67
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	9	0.67
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	9	0.67
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	9	0.67
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	13	0.67
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	11	0.67
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	13	0.67
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	6	0.67
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	14	0.67
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	3	0.67
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	5	0.67
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	5	0.67
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	16	0.67
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	16	0.67
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	1	0.67
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	12	0.67
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	18	0.67
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	5	0.67
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	5	0.67
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	5	0.67
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	5	0.67
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	5	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	5	0.67
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	5	0.67
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	11	0.67
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	11	0.67
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	12	0.67
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	20	0.67
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	8	0.67
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	13	0.67
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	16	0.67
(1,935)	1:145:A:TRP:HA	1:148:A:ARG:HG2	12	0.67
(1,602)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	4	0.67
(1,602)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	4	0.67
(1,602)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	4	0.67
(1,602)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	4	0.67
(1,602)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	4	0.67
(1,602)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	4	0.67
(1,602)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	4	0.67
(1,602)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	4	0.67
(1,602)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	4	0.67
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	2	0.67
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	2	0.67
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	5	0.67
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	5	0.67
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	5	0.67
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	5	0.67
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	5	0.67
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	5	0.67
(1,371)	1:215:A:VAL:HG21	1:219:A:GLN:HE22	12	0.67
(1,371)	1:215:A:VAL:HG22	1:219:A:GLN:HE22	12	0.67
(1,371)	1:215:A:VAL:HG23	1:219:A:GLN:HE22	12	0.67
(1,263)	1:130:A:LEU:HD11	1:161:A:VAL:HA	5	0.67
(1,263)	1:130:A:LEU:HD12	1:161:A:VAL:HA	5	0.67
(1,263)	1:130:A:LEU:HD13	1:161:A:VAL:HA	5	0.67
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	1	0.67
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	1	0.67
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	1	0.67
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	12	0.67
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	12	0.67
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	12	0.67
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	16	0.67
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	16	0.67
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	16	0.67

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	20	0.67
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	20	0.67
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	20	0.67
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	10	0.67
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	10	0.67
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	10	0.67
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	15	0.66
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	15	0.66
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	11	0.66
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	17	0.66
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	18	0.66
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	4	0.66
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	16	0.66
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	11	0.66
(1,4987)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	13	0.66
(1,4987)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	13	0.66
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	14	0.66
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	18	0.66
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	8	0.66
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	8	0.66
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	12	0.66
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	12	0.66
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	12	0.66
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD21	9	0.66
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD22	9	0.66
(1,4638)	1:122:A:VAL:HB	1:125:A:LEU:HD23	9	0.66
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	12	0.66
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	12	0.66
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	19	0.66
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	19	0.66
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	19	0.66
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	2	0.66
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	12	0.66
(1,4104)	1:145:A:TRP:HA	1:148:A:ARG:HG2	1	0.66
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	17	0.66
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	17	0.66
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	17	0.66
(1,3954)	1:129:A:MET:HE1	1:165:A:PRO:HG2	10	0.66
(1,3954)	1:129:A:MET:HE2	1:165:A:PRO:HG2	10	0.66
(1,3954)	1:129:A:MET:HE3	1:165:A:PRO:HG2	10	0.66
(1,3733)	1:211:A:GLU:HG2	1:214:A:CYS:HB3	16	0.66
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	5	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	7	0.66
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	2	0.66
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	2	0.66
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	2	0.66
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	2	0.66
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	2	0.66
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	2	0.66
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	9	0.66
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	10	0.66
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	6	0.66
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	6	0.66
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	6	0.66
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	15	0.66
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	15	0.66
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	11	0.66
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	17	0.66
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	18	0.66
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	4	0.66
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	16	0.66
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	11	0.66
(1,1818)	1:182:A:ILE:HG12	1:185:A:LYS:HB2	13	0.66
(1,1818)	1:182:A:ILE:HG13	1:185:A:LYS:HB2	13	0.66
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	14	0.66
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	18	0.66
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	8	0.66
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	8	0.66
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	12	0.66
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	12	0.66
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	12	0.66
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD21	9	0.66
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD22	9	0.66
(1,1469)	1:122:A:VAL:HB	1:125:A:LEU:HD23	9	0.66
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	12	0.66
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	12	0.66
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	19	0.66
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	19	0.66
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	19	0.66
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	2	0.66
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	12	0.66
(1,935)	1:145:A:TRP:HA	1:148:A:ARG:HG2	1	0.66
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	17	0.66
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	17	0.66

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	17	0.66
(1,785)	1:129:A:MET:HE1	1:165:A:PRO:HG2	10	0.66
(1,785)	1:129:A:MET:HE2	1:165:A:PRO:HG2	10	0.66
(1,785)	1:129:A:MET:HE3	1:165:A:PRO:HG2	10	0.66
(1,564)	1:211:A:GLU:HG2	1:214:A:CYS:HB3	16	0.66
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	5	0.66
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	7	0.66
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	2	0.66
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	2	0.66
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	2	0.66
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	2	0.66
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	2	0.66
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	2	0.66
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	9	0.66
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	10	0.66
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	6	0.66
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	6	0.66
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	6	0.66
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	14	0.65
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	14	0.65
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	17	0.65
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	17	0.65
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	20	0.65
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	1	0.65
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	4	0.65
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	4	0.65
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	4	0.65
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG21	2	0.65
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG22	2	0.65
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG23	2	0.65
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	12	0.65
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	20	0.65
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	3	0.65
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	3	0.65
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	3	0.65
(1,4293)	1:217:A:GLN:HA	1:221:A:GLU:HG3	16	0.65
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	16	0.65
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	9	0.65
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	11	0.65
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	16	0.65
(1,4251)	1:170:A:SER:HA	1:171:A:ASN:HB2	16	0.65
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	1	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	1	0.65
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	1	0.65
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	5	0.65
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	5	0.65
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	5	0.65
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	7	0.65
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	7	0.65
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	7	0.65
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	7	0.65
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	7	0.65
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	7	0.65
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	14	0.65
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	14	0.65
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	14	0.65
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	20	0.65
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	20	0.65
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	20	0.65
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	14	0.65
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	14	0.65
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	17	0.65
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	17	0.65
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	20	0.65
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	1	0.65
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	4	0.65
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	4	0.65
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	4	0.65
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG21	2	0.65
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG22	2	0.65
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG23	2	0.65
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	12	0.65
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	20	0.65
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	3	0.65
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	3	0.65
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	3	0.65
(1,1124)	1:217:A:GLN:HA	1:221:A:GLU:HG3	16	0.65
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	16	0.65
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	9	0.65
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	11	0.65
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	16	0.65
(1,1082)	1:170:A:SER:HA	1:171:A:ASN:HB2	16	0.65
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	1	0.65
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	1	0.65

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	1	0.65
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	5	0.65
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	5	0.65
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	5	0.65
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	7	0.65
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	7	0.65
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	7	0.65
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	7	0.65
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	7	0.65
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	7	0.65
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	14	0.65
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	14	0.65
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	14	0.65
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	20	0.65
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	20	0.65
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	20	0.65
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	17	0.64
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	17	0.64
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	12	0.64
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	18	0.64
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	1	0.64
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	9	0.64
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	5	0.64
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	19	0.64
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	16	0.64
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	16	0.64
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	16	0.64
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	6	0.64
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	6	0.64
(1,4862)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	6	0.64
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	1	0.64
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	1	0.64
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	6	0.64
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	3	0.64
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	3	0.64
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	3	0.64
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	3	0.64
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	3	0.64
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	3	0.64
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	6	0.64
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	14	0.64
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG11	5	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG12	5	0.64
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG13	5	0.64
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	10	0.64
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	10	0.64
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	10	0.64
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	10	0.64
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	18	0.64
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	20	0.64
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	20	0.64
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	20	0.64
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	9	0.64
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	17	0.64
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	17	0.64
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	17	0.64
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	17	0.64
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	17	0.64
(1,3616)	1:151:A:ARG:HA	1:151:A:ARG:HD2	1	0.64
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	14	0.64
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	14	0.64
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	14	0.64
(1,3489)	1:166:A:VAL:HG21	1:218:A:TYR:HA	20	0.64
(1,3489)	1:166:A:VAL:HG22	1:218:A:TYR:HA	20	0.64
(1,3489)	1:166:A:VAL:HG23	1:218:A:TYR:HA	20	0.64
(1,3405)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	14	0.64
(1,3405)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	14	0.64
(1,3405)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	14	0.64
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	8	0.64
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	8	0.64
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	8	0.64
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	8	0.64
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	8	0.64
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	8	0.64
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	8	0.64
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	8	0.64
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	8	0.64
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	15	0.64
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	15	0.64
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	15	0.64
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	15	0.64
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	15	0.64
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	15	0.64
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	17	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	17	0.64
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	12	0.64
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	18	0.64
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	1	0.64
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	9	0.64
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	5	0.64
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	19	0.64
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	16	0.64
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	16	0.64
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	16	0.64
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG11	6	0.64
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG12	6	0.64
(1,1693)	1:208:A:ARG:HB3	1:209:A:VAL:HG13	6	0.64
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	1	0.64
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	1	0.64
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	6	0.64
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	3	0.64
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	3	0.64
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	3	0.64
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	3	0.64
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	3	0.64
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	3	0.64
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	6	0.64
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	14	0.64
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG11	5	0.64
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG12	5	0.64
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG13	5	0.64
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	10	0.64
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	10	0.64
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	10	0.64
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	10	0.64
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	18	0.64
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	20	0.64
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	20	0.64
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	20	0.64
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	9	0.64
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	17	0.64
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	17	0.64
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	17	0.64
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	17	0.64
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	17	0.64
(1,447)	1:151:A:ARG:HA	1:151:A:ARG:HD2	1	0.64

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	14	0.64
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	14	0.64
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	14	0.64
(1,320)	1:166:A:VAL:HG21	1:218:A:TYR:HA	20	0.64
(1,320)	1:166:A:VAL:HG22	1:218:A:TYR:HA	20	0.64
(1,320)	1:166:A:VAL:HG23	1:218:A:TYR:HA	20	0.64
(1,236)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	14	0.64
(1,236)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	14	0.64
(1,236)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	14	0.64
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	8	0.64
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	8	0.64
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	8	0.64
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	8	0.64
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	8	0.64
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	8	0.64
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	8	0.64
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	8	0.64
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	8	0.64
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	15	0.64
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	15	0.64
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	15	0.64
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	15	0.64
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	15	0.64
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	15	0.64
(1,6219)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	16	0.63
(1,6219)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	16	0.63
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	1	0.63
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	1	0.63
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	8	0.63
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	1	0.63
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	14	0.63
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	15	0.63
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	14	0.63
(1,5037)	1:125:A:LEU:HB2	1:125:A:LEU:HG	10	0.63
(1,4968)	1:148:A:ARG:HG3	1:149:A:TYR:HA	12	0.63
(1,4832)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	5	0.63
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	5	0.63
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	6	0.63
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	19	0.63
(1,4774)	1:136:A:ARG:HG2	1:154:A:MET:HB3	10	0.63
(1,4765)	1:166:A:VAL:HG11	1:167:A:ASP:HA	1	0.63
(1,4765)	1:166:A:VAL:HG12	1:167:A:ASP:HA	1	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4765)	1:166:A:VAL:HG13	1:167:A:ASP:HA	1	0.63
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG21	11	0.63
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG22	11	0.63
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG23	11	0.63
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	9	0.63
(1,4492)	1:130:A:LEU:HG	1:160:A:GLN:HG2	7	0.63
(1,4293)	1:217:A:GLN:HA	1:221:A:GLU:HG3	9	0.63
(1,4293)	1:217:A:GLN:HA	1:221:A:GLU:HG3	13	0.63
(1,4262)	1:134:A:MET:HB2	1:135:A:SER:HB2	18	0.63
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	7	0.63
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	15	0.63
(1,4119)	1:173:A:ASN:H	1:174:A:ASN:HB3	15	0.63
(1,4104)	1:145:A:TRP:HA	1:148:A:ARG:HG2	18	0.63
(1,3938)	1:134:A:MET:HB2	1:135:A:SER:HB3	18	0.63
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	1	0.63
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	8	0.63
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	8	0.63
(1,3751)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	8	0.63
(1,3432)	1:130:A:LEU:HD11	1:161:A:VAL:HA	14	0.63
(1,3432)	1:130:A:LEU:HD12	1:161:A:VAL:HA	14	0.63
(1,3432)	1:130:A:LEU:HD13	1:161:A:VAL:HA	14	0.63
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	7	0.63
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	7	0.63
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	7	0.63
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	7	0.63
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	7	0.63
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	7	0.63
(1,3050)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	16	0.63
(1,3050)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	16	0.63
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	1	0.63
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	1	0.63
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	8	0.63
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	1	0.63
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	14	0.63
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	15	0.63
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	14	0.63
(1,1868)	1:125:A:LEU:HB2	1:125:A:LEU:HG	10	0.63
(1,1799)	1:148:A:ARG:HG3	1:149:A:TYR:HA	12	0.63
(1,1663)	1:220:A:LYS:HB3	1:221:A:GLU:HB2	5	0.63
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	5	0.63
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	6	0.63
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	19	0.63

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1605)	1:136:A:ARG:HG2	1:154:A:MET:HB3	10	0.63
(1,1596)	1:166:A:VAL:HG11	1:167:A:ASP:HA	1	0.63
(1,1596)	1:166:A:VAL:HG12	1:167:A:ASP:HA	1	0.63
(1,1596)	1:166:A:VAL:HG13	1:167:A:ASP:HA	1	0.63
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG21	11	0.63
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG22	11	0.63
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG23	11	0.63
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	9	0.63
(1,1323)	1:130:A:LEU:HG	1:160:A:GLN:HG2	7	0.63
(1,1124)	1:217:A:GLN:HA	1:221:A:GLU:HG3	9	0.63
(1,1124)	1:217:A:GLN:HA	1:221:A:GLU:HG3	13	0.63
(1,1093)	1:134:A:MET:HB2	1:135:A:SER:HB2	18	0.63
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	7	0.63
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	15	0.63
(1,950)	1:173:A:ASN:H	1:174:A:ASN:HB3	15	0.63
(1,935)	1:145:A:TRP:HA	1:148:A:ARG:HG2	18	0.63
(1,769)	1:134:A:MET:HB2	1:135:A:SER:HB3	18	0.63
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	1	0.63
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB1	8	0.63
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB2	8	0.63
(1,582)	1:220:A:LYS:HB2	1:224:A:ALA:HB3	8	0.63
(1,263)	1:130:A:LEU:HD11	1:161:A:VAL:HA	14	0.63
(1,263)	1:130:A:LEU:HD12	1:161:A:VAL:HA	14	0.63
(1,263)	1:130:A:LEU:HD13	1:161:A:VAL:HA	14	0.63
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	7	0.63
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	7	0.63
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	7	0.63
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	7	0.63
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	7	0.63
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	7	0.63
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	5	0.62
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	5	0.62
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	2	0.62
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	5	0.62
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	7	0.62
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	7	0.62
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	10	0.62
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	6	0.62
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	6	0.62
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	6	0.62
(1,4968)	1:148:A:ARG:HG3	1:149:A:TYR:HA	7	0.62
(1,4941)	1:164:A:ARG:HE	1:165:A:PRO:HG3	13	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	7	0.62
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	7	0.62
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	7	0.62
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	1	0.62
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	12	0.62
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	1	0.62
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	13	0.62
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	13	0.62
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	6	0.62
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	18	0.62
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	2	0.62
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	14	0.62
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	14	0.62
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	14	0.62
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	14	0.62
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	14	0.62
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	14	0.62
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	9	0.62
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	9	0.62
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	9	0.62
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG11	3	0.62
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG12	3	0.62
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG13	3	0.62
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	5	0.62
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	5	0.62
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	5	0.62
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	18	0.62
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	18	0.62
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	18	0.62
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	18	0.62
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	14	0.62
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	3	0.62
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	3	0.62
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	3	0.62
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	19	0.62
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	3	0.62
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	3	0.62
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	3	0.62
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	1	0.62
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	5	0.62
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	5	0.62
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	2	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	5	0.62
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	7	0.62
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	7	0.62
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	10	0.62
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	6	0.62
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	6	0.62
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	6	0.62
(1,1799)	1:148:A:ARG:HG3	1:149:A:TYR:HA	7	0.62
(1,1772)	1:164:A:ARG:HE	1:165:A:PRO:HG3	13	0.62
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	7	0.62
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	7	0.62
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	7	0.62
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	1	0.62
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	12	0.62
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	1	0.62
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	13	0.62
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	13	0.62
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	6	0.62
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	18	0.62
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	2	0.62
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	14	0.62
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	14	0.62
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	14	0.62
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	14	0.62
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	14	0.62
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	14	0.62
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	9	0.62
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	9	0.62
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	9	0.62
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG11	3	0.62
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG12	3	0.62
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG13	3	0.62
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	5	0.62
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	5	0.62
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	5	0.62
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	18	0.62
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	18	0.62
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	18	0.62
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	18	0.62
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	14	0.62
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	3	0.62
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	3	0.62

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	3	0.62
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	19	0.62
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	3	0.62
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	3	0.62
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	3	0.62
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	1	0.62
(1,6101)	1:141:A:PHE:HD1	1:143:A:ASN:HD21	20	0.61
(1,6101)	1:141:A:PHE:HD2	1:143:A:ASN:HD21	20	0.61
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	13	0.61
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	13	0.61
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	11	0.61
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	2	0.61
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	20	0.61
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	4	0.61
(1,4967)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	3	0.61
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	11	0.61
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	13	0.61
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	13	0.61
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	13	0.61
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	10	0.61
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	9	0.61
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	15	0.61
(1,4652)	1:184:A:ILE:HG21	1:206:A:MET:HG3	20	0.61
(1,4652)	1:184:A:ILE:HG22	1:206:A:MET:HG3	20	0.61
(1,4652)	1:184:A:ILE:HG23	1:206:A:MET:HG3	20	0.61
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	7	0.61
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	7	0.61
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	7	0.61
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	13	0.61
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	6	0.61
(1,4018)	1:167:A:ASP:HB3	1:168:A:GLN:HG2	11	0.61
(1,4018)	1:167:A:ASP:HB3	1:168:A:GLN:HG3	11	0.61
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD21	7	0.61
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD22	7	0.61
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD23	7	0.61
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD21	7	0.61
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD22	7	0.61
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD23	7	0.61
(1,3623)	1:164:A:ARG:HD3	1:165:A:PRO:HD3	13	0.61
(1,3428)	1:130:A:LEU:HD11	1:131:A:GLY:H	4	0.61
(1,3428)	1:130:A:LEU:HD12	1:131:A:GLY:H	4	0.61
(1,3428)	1:130:A:LEU:HD13	1:131:A:GLY:H	4	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	10	0.61
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	10	0.61
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	10	0.61
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	20	0.61
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	20	0.61
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	20	0.61
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	17	0.61
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	17	0.61
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	17	0.61
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	17	0.61
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	17	0.61
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	17	0.61
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	17	0.61
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	17	0.61
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	17	0.61
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	18	0.61
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	18	0.61
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	18	0.61
(1,2932)	1:141:A:PHE:HD1	1:143:A:ASN:HD21	20	0.61
(1,2932)	1:141:A:PHE:HD2	1:143:A:ASN:HD21	20	0.61
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	13	0.61
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	13	0.61
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	11	0.61
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	2	0.61
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	20	0.61
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	4	0.61
(1,1798)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	3	0.61
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	11	0.61
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	13	0.61
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	13	0.61
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	13	0.61
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	10	0.61
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	9	0.61
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	15	0.61
(1,1483)	1:184:A:ILE:HG21	1:206:A:MET:HG3	20	0.61
(1,1483)	1:184:A:ILE:HG22	1:206:A:MET:HG3	20	0.61
(1,1483)	1:184:A:ILE:HG23	1:206:A:MET:HG3	20	0.61
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	7	0.61
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	7	0.61
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	7	0.61
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	13	0.61
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	6	0.61

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,849)	1:167:A:ASP:HB3	1:168:A:GLN:HG2	11	0.61
(1,849)	1:167:A:ASP:HB3	1:168:A:GLN:HG3	11	0.61
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD21	7	0.61
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD22	7	0.61
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD23	7	0.61
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD21	7	0.61
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD22	7	0.61
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD23	7	0.61
(1,454)	1:164:A:ARG:HD3	1:165:A:PRO:HD3	13	0.61
(1,259)	1:130:A:LEU:HD11	1:131:A:GLY:H	4	0.61
(1,259)	1:130:A:LEU:HD12	1:131:A:GLY:H	4	0.61
(1,259)	1:130:A:LEU:HD13	1:131:A:GLY:H	4	0.61
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	10	0.61
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	10	0.61
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	10	0.61
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	20	0.61
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	20	0.61
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	20	0.61
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	17	0.61
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	17	0.61
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	17	0.61
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	17	0.61
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	17	0.61
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	17	0.61
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	17	0.61
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	17	0.61
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	17	0.61
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	18	0.61
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	18	0.61
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	18	0.61
(1,6089)	1:166:A:VAL:HG21	1:175:A:PHE:HE1	14	0.6
(1,6089)	1:166:A:VAL:HG21	1:175:A:PHE:HE2	14	0.6
(1,6089)	1:166:A:VAL:HG22	1:175:A:PHE:HE1	14	0.6
(1,6089)	1:166:A:VAL:HG22	1:175:A:PHE:HE2	14	0.6
(1,6089)	1:166:A:VAL:HG23	1:175:A:PHE:HE1	14	0.6
(1,6089)	1:166:A:VAL:HG23	1:175:A:PHE:HE2	14	0.6
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	10	0.6
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	10	0.6
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	2	0.6
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	2	0.6
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	4	0.6
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	17	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	1	0.6
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	13	0.6
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	12	0.6
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	3	0.6
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	5	0.6
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	10	0.6
(1,4544)	1:216:A:THR:HG21	1:219:A:GLN:HG2	12	0.6
(1,4544)	1:216:A:THR:HG22	1:219:A:GLN:HG2	12	0.6
(1,4544)	1:216:A:THR:HG23	1:219:A:GLN:HG2	12	0.6
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	3	0.6
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	4	0.6
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	4	0.6
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	4	0.6
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	20	0.6
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	15	0.6
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	15	0.6
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	15	0.6
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	15	0.6
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	15	0.6
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	15	0.6
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	15	0.6
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	15	0.6
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	15	0.6
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	17	0.6
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	8	0.6
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	20	0.6
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	20	0.6
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	20	0.6
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	20	0.6
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	7	0.6
(1,3424)	1:130:A:LEU:HG	1:131:A:GLY:HA3	7	0.6
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	4	0.6
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	4	0.6
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	4	0.6
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	14	0.6
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	14	0.6
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	14	0.6
(1,3338)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	16	0.6
(1,3338)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	16	0.6
(1,2920)	1:166:A:VAL:HG21	1:175:A:PHE:HE1	14	0.6
(1,2920)	1:166:A:VAL:HG21	1:175:A:PHE:HE2	14	0.6
(1,2920)	1:166:A:VAL:HG22	1:175:A:PHE:HE1	14	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2920)	1:166:A:VAL:HG22	1:175:A:PHE:HE2	14	0.6
(1,2920)	1:166:A:VAL:HG23	1:175:A:PHE:HE1	14	0.6
(1,2920)	1:166:A:VAL:HG23	1:175:A:PHE:HE2	14	0.6
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	10	0.6
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	10	0.6
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	2	0.6
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	2	0.6
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	4	0.6
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	17	0.6
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	1	0.6
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	13	0.6
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	12	0.6
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	3	0.6
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	5	0.6
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	10	0.6
(1,1375)	1:216:A:THR:HG21	1:219:A:GLN:HG2	12	0.6
(1,1375)	1:216:A:THR:HG22	1:219:A:GLN:HG2	12	0.6
(1,1375)	1:216:A:THR:HG23	1:219:A:GLN:HG2	12	0.6
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	3	0.6
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	4	0.6
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	4	0.6
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	4	0.6
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	20	0.6
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	15	0.6
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	15	0.6
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	15	0.6
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	15	0.6
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	15	0.6
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	15	0.6
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	15	0.6
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	15	0.6
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	15	0.6
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	17	0.6
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	8	0.6
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	20	0.6
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	20	0.6
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	20	0.6
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	20	0.6
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	7	0.6
(1,255)	1:130:A:LEU:HG	1:131:A:GLY:HA3	7	0.6
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	4	0.6
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	4	0.6

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	4	0.6
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	14	0.6
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	14	0.6
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	14	0.6
(1,169)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	16	0.6
(1,169)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	16	0.6
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	10	0.59
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	10	0.59
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	12	0.59
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	12	0.59
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	15	0.59
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	20	0.59
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	20	0.59
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	20	0.59
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	2	0.59
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	7	0.59
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	7	0.59
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	7	0.59
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	19	0.59
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	3	0.59
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	17	0.59
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	9	0.59
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	9	0.59
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	9	0.59
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	9	0.59
(1,4900)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	19	0.59
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	2	0.59
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	2	0.59
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	2	0.59
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	15	0.59
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	15	0.59
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	19	0.59
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	19	0.59
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	13	0.59
(1,4623)	1:137:A:PRO:HD2	1:213:A:MET:HG2	19	0.59
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	1	0.59
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	7	0.59
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	7	0.59
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	7	0.59
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	7	0.59
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	2	0.59
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	18	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	11	0.59
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	11	0.59
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	11	0.59
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	20	0.59
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	12	0.59
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	12	0.59
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	12	0.59
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	4	0.59
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	4	0.59
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	4	0.59
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	17	0.59
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	17	0.59
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	17	0.59
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	7	0.59
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	2	0.59
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	2	0.59
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	2	0.59
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	2	0.59
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	2	0.59
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	2	0.59
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	2	0.59
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	2	0.59
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	2	0.59
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	9	0.59
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	9	0.59
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	9	0.59
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	7	0.59
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	7	0.59
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	7	0.59
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	14	0.59
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	14	0.59
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	14	0.59
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	14	0.59
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	14	0.59
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	14	0.59
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	10	0.59
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	10	0.59
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	12	0.59
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	12	0.59
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	15	0.59
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	20	0.59
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	20	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	20	0.59
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	2	0.59
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	7	0.59
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	7	0.59
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	7	0.59
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	19	0.59
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	3	0.59
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	17	0.59
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	9	0.59
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	9	0.59
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	9	0.59
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	9	0.59
(1,1731)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	19	0.59
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	2	0.59
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	2	0.59
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	2	0.59
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	15	0.59
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	15	0.59
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	19	0.59
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	19	0.59
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	13	0.59
(1,1454)	1:137:A:PRO:HD2	1:213:A:MET:HG2	19	0.59
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	1	0.59
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	7	0.59
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	7	0.59
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	7	0.59
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	7	0.59
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	2	0.59
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	18	0.59
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	11	0.59
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	11	0.59
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	11	0.59
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	20	0.59
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	12	0.59
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	12	0.59
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	12	0.59
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	4	0.59
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	4	0.59
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	4	0.59
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	17	0.59
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	17	0.59
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	17	0.59

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	7	0.59
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	2	0.59
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	2	0.59
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	2	0.59
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	2	0.59
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	2	0.59
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	2	0.59
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	2	0.59
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	2	0.59
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	2	0.59
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	9	0.59
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	9	0.59
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	9	0.59
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	7	0.59
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	7	0.59
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	7	0.59
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	14	0.59
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	14	0.59
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	14	0.59
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	14	0.59
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	14	0.59
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	14	0.59
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	6	0.58
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	19	0.58
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	18	0.58
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	16	0.58
(1,5584)	1:217:A:GLN:HE22	1:221:A:GLU:H	3	0.58
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	15	0.58
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	7	0.58
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	14	0.58
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	6	0.58
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	6	0.58
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	6	0.58
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	13	0.58
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	13	0.58
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	13	0.58
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	15	0.58
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	3	0.58
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	3	0.58
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	14	0.58
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	9	0.58
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	9	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	9	0.58
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	9	0.58
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	9	0.58
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	9	0.58
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	9	0.58
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	9	0.58
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	9	0.58
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	14	0.58
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	14	0.58
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	14	0.58
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	14	0.58
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	14	0.58
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	14	0.58
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	14	0.58
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	14	0.58
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	14	0.58
(1,3841)	1:161:A:VAL:HG21	1:217:A:GLN:H	18	0.58
(1,3841)	1:161:A:VAL:HG22	1:217:A:GLN:H	18	0.58
(1,3841)	1:161:A:VAL:HG23	1:217:A:GLN:H	18	0.58
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	13	0.58
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	13	0.58
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	13	0.58
(1,3713)	1:162:A:TYR:HB3	1:183:A:THR:HB	3	0.58
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	13	0.58
(1,3432)	1:130:A:LEU:HD11	1:161:A:VAL:HA	9	0.58
(1,3432)	1:130:A:LEU:HD12	1:161:A:VAL:HA	9	0.58
(1,3432)	1:130:A:LEU:HD13	1:161:A:VAL:HA	9	0.58
(1,3424)	1:130:A:LEU:HG	1:131:A:GLY:HA3	5	0.58
(1,3424)	1:130:A:LEU:HG	1:131:A:GLY:HA3	6	0.58
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	15	0.58
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	15	0.58
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	15	0.58
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	14	0.58
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	14	0.58
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	14	0.58
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	17	0.58
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	17	0.58
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	17	0.58
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	8	0.58
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	8	0.58
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	8	0.58
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	6	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	19	0.58
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	18	0.58
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	16	0.58
(1,2415)	1:217:A:GLN:HE22	1:221:A:GLU:H	3	0.58
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	15	0.58
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	7	0.58
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	14	0.58
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	6	0.58
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	6	0.58
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	6	0.58
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	13	0.58
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	13	0.58
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	13	0.58
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	15	0.58
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	3	0.58
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	3	0.58
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	14	0.58
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	9	0.58
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	9	0.58
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	9	0.58
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	9	0.58
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	9	0.58
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	9	0.58
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	9	0.58
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	9	0.58
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	9	0.58
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	14	0.58
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	14	0.58
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	14	0.58
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	14	0.58
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	14	0.58
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	14	0.58
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	14	0.58
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	14	0.58
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	14	0.58
(1,672)	1:161:A:VAL:HG21	1:217:A:GLN:H	18	0.58
(1,672)	1:161:A:VAL:HG22	1:217:A:GLN:H	18	0.58
(1,672)	1:161:A:VAL:HG23	1:217:A:GLN:H	18	0.58
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	13	0.58
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	13	0.58
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	13	0.58
(1,544)	1:162:A:TYR:HB3	1:183:A:THR:HB	3	0.58

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	13	0.58
(1,263)	1:130:A:LEU:HD11	1:161:A:VAL:HA	9	0.58
(1,263)	1:130:A:LEU:HD12	1:161:A:VAL:HA	9	0.58
(1,263)	1:130:A:LEU:HD13	1:161:A:VAL:HA	9	0.58
(1,255)	1:130:A:LEU:HG	1:131:A:GLY:HA3	5	0.58
(1,255)	1:130:A:LEU:HG	1:131:A:GLY:HA3	6	0.58
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	15	0.58
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	15	0.58
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	15	0.58
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	14	0.58
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	14	0.58
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	14	0.58
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	17	0.58
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	17	0.58
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	17	0.58
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	8	0.58
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	8	0.58
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	8	0.58
(1,6219)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	4	0.57
(1,6219)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	4	0.57
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	5	0.57
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	5	0.57
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	13	0.57
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	5	0.57
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	5	0.57
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	5	0.57
(1,5851)	1:171:A:ASN:HD22	1:174:A:ASN:HD22	20	0.57
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	2	0.57
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	3	0.57
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	7	0.57
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	8	0.57
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	16	0.57
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	2	0.57
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	3	0.57
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	4	0.57
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	10	0.57
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	1	0.57
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	17	0.57
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	2	0.57
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	6	0.57
(1,4774)	1:136:A:ARG:HG2	1:154:A:MET:HB3	14	0.57
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	7	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	12	0.57
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	4	0.57
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	10	0.57
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	10	0.57
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	11	0.57
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	1	0.57
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	6	0.57
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	10	0.57
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	14	0.57
(1,3431)	1:130:A:LEU:HD11	1:162:A:TYR:HA	5	0.57
(1,3431)	1:130:A:LEU:HD12	1:162:A:TYR:HA	5	0.57
(1,3431)	1:130:A:LEU:HD13	1:162:A:TYR:HA	5	0.57
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	9	0.57
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	9	0.57
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	9	0.57
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	11	0.57
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	11	0.57
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	11	0.57
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	12	0.57
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	8	0.57
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	8	0.57
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	8	0.57
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	3	0.57
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	3	0.57
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	3	0.57
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	3	0.57
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	3	0.57
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	3	0.57
(1,3244)	1:206:A:MET:HG2	1:210:A:VAL:HG21	16	0.57
(1,3244)	1:206:A:MET:HG2	1:210:A:VAL:HG22	16	0.57
(1,3244)	1:206:A:MET:HG2	1:210:A:VAL:HG23	16	0.57
(1,3244)	1:206:A:MET:HG3	1:210:A:VAL:HG21	16	0.57
(1,3244)	1:206:A:MET:HG3	1:210:A:VAL:HG22	16	0.57
(1,3244)	1:206:A:MET:HG3	1:210:A:VAL:HG23	16	0.57
(1,3050)	1:169:A:TYR:HE1	1:174:A:ASN:HB3	4	0.57
(1,3050)	1:169:A:TYR:HE2	1:174:A:ASN:HB3	4	0.57
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	5	0.57
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	5	0.57
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	13	0.57
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	5	0.57
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	5	0.57
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	5	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2682)	1:171:A:ASN:HD22	1:174:A:ASN:HD22	20	0.57
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	2	0.57
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	3	0.57
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	7	0.57
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	8	0.57
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	16	0.57
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	2	0.57
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	3	0.57
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	4	0.57
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	10	0.57
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	1	0.57
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	17	0.57
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	2	0.57
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	6	0.57
(1,1605)	1:136:A:ARG:HG2	1:154:A:MET:HB3	14	0.57
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	7	0.57
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	12	0.57
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	4	0.57
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	10	0.57
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	10	0.57
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	11	0.57
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	1	0.57
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	6	0.57
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	10	0.57
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	14	0.57
(1,262)	1:130:A:LEU:HD11	1:162:A:TYR:HA	5	0.57
(1,262)	1:130:A:LEU:HD12	1:162:A:TYR:HA	5	0.57
(1,262)	1:130:A:LEU:HD13	1:162:A:TYR:HA	5	0.57
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	9	0.57
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	9	0.57
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	9	0.57
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	11	0.57
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	11	0.57
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	11	0.57
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	12	0.57
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	8	0.57
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	8	0.57
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	8	0.57
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	3	0.57
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	3	0.57
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	3	0.57
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	3	0.57

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	3	0.57
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	3	0.57
(1,75)	1:206:A:MET:HG2	1:210:A:VAL:HG21	16	0.57
(1,75)	1:206:A:MET:HG2	1:210:A:VAL:HG22	16	0.57
(1,75)	1:206:A:MET:HG2	1:210:A:VAL:HG23	16	0.57
(1,75)	1:206:A:MET:HG3	1:210:A:VAL:HG21	16	0.57
(1,75)	1:206:A:MET:HG3	1:210:A:VAL:HG22	16	0.57
(1,75)	1:206:A:MET:HG3	1:210:A:VAL:HG23	16	0.57
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	17	0.56
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	1	0.56
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	12	0.56
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	13	0.56
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	14	0.56
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	9	0.56
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	13	0.56
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	14	0.56
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	16	0.56
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	17	0.56
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	19	0.56
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	2	0.56
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	3	0.56
(1,5237)	1:129:A:MET:H	1:165:A:PRO:HD2	12	0.56
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG21	10	0.56
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG22	10	0.56
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG23	10	0.56
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	19	0.56
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	11	0.56
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	10	0.56
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	10	0.56
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	10	0.56
(1,4293)	1:217:A:GLN:HA	1:221:A:GLU:HG3	12	0.56
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	19	0.56
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	19	0.56
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	1	0.56
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	8	0.56
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	8	0.56
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	8	0.56
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	8	0.56
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	8	0.56
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	8	0.56
(1,3548)	1:136:A:ARG:HD3	1:154:A:MET:HG2	20	0.56
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	2	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	4	0.56
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	8	0.56
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	11	0.56
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	19	0.56
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	19	0.56
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	19	0.56
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	16	0.56
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	16	0.56
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	16	0.56
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	2	0.56
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	9	0.56
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	9	0.56
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	9	0.56
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	9	0.56
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	9	0.56
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	9	0.56
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	9	0.56
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	9	0.56
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	9	0.56
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	16	0.56
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	16	0.56
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	16	0.56
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	17	0.56
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	1	0.56
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	12	0.56
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	13	0.56
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	14	0.56
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	9	0.56
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	13	0.56
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	14	0.56
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	16	0.56
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	17	0.56
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	19	0.56
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	2	0.56
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	3	0.56
(1,2068)	1:129:A:MET:H	1:165:A:PRO:HD2	12	0.56
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG21	10	0.56
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG22	10	0.56
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG23	10	0.56
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	19	0.56
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	11	0.56
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	10	0.56

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	10	0.56
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	10	0.56
(1,1124)	1:217:A:GLN:HA	1:221:A:GLU:HG3	12	0.56
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	19	0.56
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	19	0.56
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	1	0.56
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	8	0.56
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	8	0.56
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	8	0.56
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	8	0.56
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	8	0.56
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	8	0.56
(1,379)	1:136:A:ARG:HD3	1:154:A:MET:HG2	20	0.56
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	2	0.56
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	4	0.56
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	8	0.56
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	11	0.56
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	19	0.56
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	19	0.56
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	19	0.56
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	16	0.56
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	16	0.56
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	16	0.56
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	2	0.56
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	9	0.56
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	9	0.56
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	9	0.56
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	9	0.56
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	9	0.56
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	9	0.56
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	9	0.56
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	9	0.56
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	9	0.56
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	16	0.56
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	16	0.56
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	16	0.56
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	3	0.55
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	10	0.55
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	15	0.55
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	4	0.55
(1,5816)	1:223:A:GLN:HE21	1:228:A:GLY:H	15	0.55
(1,5765)	1:160:A:GLN:H	1:161:A:VAL:HG11	15	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5765)	1:160:A:GLN:H	1:161:A:VAL:HG12	15	0.55
(1,5765)	1:160:A:GLN:H	1:161:A:VAL:HG13	15	0.55
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	1	0.55
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	11	0.55
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	3	0.55
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	9	0.55
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	18	0.55
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	12	0.55
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	9	0.55
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	3	0.55
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	3	0.55
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	3	0.55
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	12	0.55
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	9	0.55
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	9	0.55
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	9	0.55
(1,4774)	1:136:A:ARG:HG2	1:154:A:MET:HB3	6	0.55
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	1	0.55
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	1	0.55
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	1	0.55
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	11	0.55
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	11	0.55
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	11	0.55
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	14	0.55
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	14	0.55
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	14	0.55
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	20	0.55
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	20	0.55
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	20	0.55
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	20	0.55
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	20	0.55
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	20	0.55
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	20	0.55
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	9	0.55
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	9	0.55
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	2	0.55
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	2	0.55
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	2	0.55
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	3	0.55
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	3	0.55
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	3	0.55
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG11	2	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG12	2	0.55
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG13	2	0.55
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	12	0.55
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	12	0.55
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	12	0.55
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	18	0.55
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	18	0.55
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	18	0.55
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	12	0.55
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	8	0.55
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	8	0.55
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	8	0.55
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	9	0.55
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	9	0.55
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	9	0.55
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	9	0.55
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	9	0.55
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	9	0.55
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	9	0.55
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	9	0.55
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	9	0.55
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	11	0.55
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG21	10	0.55
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG22	10	0.55
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG23	10	0.55
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	19	0.55
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	19	0.55
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	19	0.55
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	2	0.55
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	2	0.55
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	2	0.55
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	1	0.55
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	1	0.55
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	1	0.55
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	14	0.55
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	14	0.55
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	14	0.55
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	12	0.55
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	12	0.55
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	12	0.55
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	7	0.55
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	7	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	7	0.55
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	7	0.55
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	7	0.55
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	7	0.55
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	18	0.55
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	18	0.55
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	18	0.55
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	18	0.55
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	18	0.55
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	18	0.55
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	18	0.55
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	18	0.55
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	18	0.55
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	1	0.55
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	1	0.55
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	1	0.55
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	18	0.55
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	18	0.55
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	18	0.55
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	4	0.55
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	4	0.55
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	4	0.55
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	3	0.55
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	10	0.55
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	15	0.55
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	4	0.55
(1,2647)	1:223:A:GLN:HE21	1:228:A:GLY:H	15	0.55
(1,2596)	1:160:A:GLN:H	1:161:A:VAL:HG11	15	0.55
(1,2596)	1:160:A:GLN:H	1:161:A:VAL:HG12	15	0.55
(1,2596)	1:160:A:GLN:H	1:161:A:VAL:HG13	15	0.55
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	1	0.55
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	11	0.55
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	3	0.55
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	9	0.55
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	18	0.55
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	12	0.55
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	9	0.55
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	3	0.55
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	3	0.55
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	3	0.55
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	12	0.55
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	9	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	9	0.55
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	9	0.55
(1,1605)	1:136:A:ARG:HG2	1:154:A:MET:HB3	6	0.55
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	1	0.55
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	1	0.55
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	1	0.55
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	11	0.55
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	11	0.55
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	11	0.55
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	14	0.55
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	14	0.55
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	14	0.55
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	20	0.55
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	20	0.55
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	20	0.55
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	20	0.55
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	20	0.55
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	20	0.55
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	20	0.55
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	9	0.55
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	9	0.55
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	2	0.55
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	2	0.55
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	2	0.55
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	3	0.55
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	3	0.55
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	3	0.55
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG11	2	0.55
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG12	2	0.55
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG13	2	0.55
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	12	0.55
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	12	0.55
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	12	0.55
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	18	0.55
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	18	0.55
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	18	0.55
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	12	0.55
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	8	0.55
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	8	0.55
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	8	0.55
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	9	0.55
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	9	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	9	0.55
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	9	0.55
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	9	0.55
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	9	0.55
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	9	0.55
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	9	0.55
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	9	0.55
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	11	0.55
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG21	10	0.55
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG22	10	0.55
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG23	10	0.55
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	19	0.55
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	19	0.55
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	19	0.55
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	2	0.55
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	2	0.55
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	2	0.55
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	1	0.55
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	1	0.55
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	1	0.55
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	14	0.55
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	14	0.55
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	14	0.55
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	12	0.55
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	12	0.55
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	12	0.55
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	7	0.55
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	7	0.55
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	7	0.55
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	7	0.55
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	7	0.55
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	7	0.55
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	18	0.55
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	18	0.55
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	18	0.55
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	18	0.55
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	18	0.55
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	18	0.55
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	18	0.55
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	18	0.55
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	18	0.55
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	1	0.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	1	0.55
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	1	0.55
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	18	0.55
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	18	0.55
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	18	0.55
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	4	0.55
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	4	0.55
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	4	0.55
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	4	0.54
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	4	0.54
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	4	0.54
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	4	0.54
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	20	0.54
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	20	0.54
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	19	0.54
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	16	0.54
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	10	0.54
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	17	0.54
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	18	0.54
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	5	0.54
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	19	0.54
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	6	0.54
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	9	0.54
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	7	0.54
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	15	0.54
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	19	0.54
(1,4690)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	15	0.54
(1,4690)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	15	0.54
(1,4690)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	15	0.54
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	1	0.54
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	5	0.54
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	13	0.54
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	19	0.54
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	8	0.54
(1,4492)	1:130:A:LEU:HG	1:160:A:GLN:HG2	4	0.54
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	12	0.54
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	14	0.54
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	14	0.54
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	14	0.54
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	1	0.54
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	14	0.54
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	11	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	2	0.54
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	12	0.54
(1,3841)	1:161:A:VAL:HG21	1:217:A:GLN:H	15	0.54
(1,3841)	1:161:A:VAL:HG22	1:217:A:GLN:H	15	0.54
(1,3841)	1:161:A:VAL:HG23	1:217:A:GLN:H	15	0.54
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG21	15	0.54
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG22	15	0.54
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG23	15	0.54
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG21	18	0.54
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG22	18	0.54
(1,3799)	1:161:A:VAL:H	1:161:A:VAL:HG23	18	0.54
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	14	0.54
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	14	0.54
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	14	0.54
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	19	0.54
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	19	0.54
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	19	0.54
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	3	0.54
(1,3424)	1:130:A:LEU:HG	1:131:A:GLY:HA3	1	0.54
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	13	0.54
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	13	0.54
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	13	0.54
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	6	0.54
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	6	0.54
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	6	0.54
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	9	0.54
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	9	0.54
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	9	0.54
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	15	0.54
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	15	0.54
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	15	0.54
(1,3290)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	6	0.54
(1,3290)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	6	0.54
(1,3290)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	6	0.54
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	3	0.54
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	3	0.54
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	3	0.54
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	6	0.54
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	6	0.54
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	6	0.54
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	13	0.54
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	13	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	13	0.54
(1,3262)	1:209:A:VAL:HG11	1:213:A:MET:HG2	10	0.54
(1,3262)	1:209:A:VAL:HG12	1:213:A:MET:HG2	10	0.54
(1,3262)	1:209:A:VAL:HG13	1:213:A:MET:HG2	10	0.54
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	4	0.54
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	4	0.54
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	4	0.54
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	4	0.54
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	20	0.54
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	20	0.54
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	19	0.54
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	16	0.54
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	10	0.54
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	17	0.54
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	18	0.54
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	5	0.54
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	19	0.54
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	6	0.54
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	9	0.54
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	7	0.54
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	15	0.54
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	19	0.54
(1,1521)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	15	0.54
(1,1521)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	15	0.54
(1,1521)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	15	0.54
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	1	0.54
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	5	0.54
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	13	0.54
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	19	0.54
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	8	0.54
(1,1323)	1:130:A:LEU:HG	1:160:A:GLN:HG2	4	0.54
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	12	0.54
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	14	0.54
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	14	0.54
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	14	0.54
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	1	0.54
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	14	0.54
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	11	0.54
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	2	0.54
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	12	0.54
(1,672)	1:161:A:VAL:HG21	1:217:A:GLN:H	15	0.54
(1,672)	1:161:A:VAL:HG22	1:217:A:GLN:H	15	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,672)	1:161:A:VAL:HG23	1:217:A:GLN:H	15	0.54
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG21	15	0.54
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG22	15	0.54
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG23	15	0.54
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG21	18	0.54
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG22	18	0.54
(1,630)	1:161:A:VAL:H	1:161:A:VAL:HG23	18	0.54
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	14	0.54
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	14	0.54
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	14	0.54
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	19	0.54
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	19	0.54
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	19	0.54
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	3	0.54
(1,255)	1:130:A:LEU:HG	1:131:A:GLY:HA3	1	0.54
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	13	0.54
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	13	0.54
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	13	0.54
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	6	0.54
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	6	0.54
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	6	0.54
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	9	0.54
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	9	0.54
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	9	0.54
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	15	0.54
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	15	0.54
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	15	0.54
(1,121)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	6	0.54
(1,121)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	6	0.54
(1,121)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	6	0.54
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	3	0.54
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	3	0.54
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	3	0.54
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	6	0.54
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	6	0.54
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	6	0.54
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	13	0.54
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	13	0.54
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	13	0.54
(1,93)	1:209:A:VAL:HG11	1:213:A:MET:HG2	10	0.54
(1,93)	1:209:A:VAL:HG12	1:213:A:MET:HG2	10	0.54
(1,93)	1:209:A:VAL:HG13	1:213:A:MET:HG2	10	0.54

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	13	0.53
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	12	0.53
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	19	0.53
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	6	0.53
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	20	0.53
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	4	0.53
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	8	0.53
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	4	0.53
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	20	0.53
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	11	0.53
(1,5483)	1:178:A:ASP:H	1:178:A:ASP:HB2	7	0.53
(1,5483)	1:178:A:ASP:H	1:178:A:ASP:HB2	11	0.53
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	4	0.53
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	20	0.53
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	15	0.53
(1,4712)	1:136:A:ARG:HA	1:136:A:ARG:HG3	13	0.53
(1,4712)	1:136:A:ARG:HA	1:136:A:ARG:HG3	19	0.53
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	6	0.53
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	6	0.53
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	6	0.53
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	11	0.53
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	7	0.53
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	11	0.53
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	12	0.53
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	16	0.53
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	18	0.53
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	14	0.53
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	14	0.53
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	20	0.53
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	16	0.53
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	16	0.53
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	16	0.53
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	16	0.53
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	16	0.53
(1,3953)	1:129:A:MET:HE1	1:221:A:GLU:HG3	16	0.53
(1,3953)	1:129:A:MET:HE2	1:221:A:GLU:HG3	16	0.53
(1,3953)	1:129:A:MET:HE3	1:221:A:GLU:HG3	16	0.53
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	6	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	1	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	1	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	1	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	6	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	6	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	6	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	8	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	8	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	8	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	10	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	10	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	10	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	13	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	13	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	13	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	15	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	15	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	15	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	19	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	19	0.53
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	19	0.53
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	10	0.53
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	10	0.53
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	10	0.53
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	12	0.53
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	12	0.53
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	12	0.53
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	18	0.53
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	18	0.53
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	18	0.53
(1,3548)	1:136:A:ARG:HD3	1:154:A:MET:HG2	19	0.53
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	9	0.53
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	9	0.53
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	9	0.53
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	15	0.53
(1,3424)	1:130:A:LEU:HG	1:131:A:GLY:HA3	9	0.53
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	4	0.53
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	4	0.53
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	4	0.53
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	19	0.53
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	19	0.53
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	19	0.53
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	13	0.53
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	13	0.53
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	13	0.53
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	13	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	13	0.53
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	13	0.53
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	13	0.53
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	13	0.53
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	13	0.53
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	2	0.53
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	2	0.53
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	2	0.53
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	9	0.53
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	9	0.53
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	9	0.53
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	14	0.53
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	14	0.53
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	14	0.53
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	1	0.53
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	1	0.53
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	1	0.53
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	1	0.53
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	1	0.53
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	1	0.53
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	16	0.53
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	16	0.53
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	16	0.53
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	13	0.53
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	12	0.53
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	19	0.53
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	6	0.53
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	20	0.53
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	4	0.53
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	8	0.53
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	4	0.53
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	20	0.53
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	11	0.53
(1,2314)	1:178:A:ASP:H	1:178:A:ASP:HB2	7	0.53
(1,2314)	1:178:A:ASP:H	1:178:A:ASP:HB2	11	0.53
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	4	0.53
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	20	0.53
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	15	0.53
(1,1543)	1:136:A:ARG:HA	1:136:A:ARG:HG3	13	0.53
(1,1543)	1:136:A:ARG:HA	1:136:A:ARG:HG3	19	0.53
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	6	0.53
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	6	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	6	0.53
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	11	0.53
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	7	0.53
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	11	0.53
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	12	0.53
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	16	0.53
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	18	0.53
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	14	0.53
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	14	0.53
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	20	0.53
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	16	0.53
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	16	0.53
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	16	0.53
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	16	0.53
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	16	0.53
(1,784)	1:129:A:MET:HE1	1:221:A:GLU:HG3	16	0.53
(1,784)	1:129:A:MET:HE2	1:221:A:GLU:HG3	16	0.53
(1,784)	1:129:A:MET:HE3	1:221:A:GLU:HG3	16	0.53
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	6	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	1	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	1	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	1	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	6	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	6	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	6	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	8	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	8	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	8	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	10	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	10	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	10	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	13	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	13	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	13	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	15	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	15	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	15	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	19	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	19	0.53
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	19	0.53
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	10	0.53
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	10	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	10	0.53
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	12	0.53
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	12	0.53
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	12	0.53
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	18	0.53
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	18	0.53
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	18	0.53
(1,379)	1:136:A:ARG:HD3	1:154:A:MET:HG2	19	0.53
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	9	0.53
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	9	0.53
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	9	0.53
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	15	0.53
(1,255)	1:130:A:LEU:HG	1:131:A:GLY:HA3	9	0.53
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	4	0.53
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	4	0.53
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	4	0.53
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	19	0.53
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	19	0.53
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	19	0.53
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	13	0.53
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	13	0.53
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	13	0.53
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	13	0.53
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	13	0.53
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	13	0.53
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	13	0.53
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	13	0.53
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	13	0.53
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	2	0.53
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	2	0.53
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	2	0.53
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	9	0.53
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	9	0.53
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	9	0.53
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	14	0.53
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	14	0.53
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	14	0.53
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	1	0.53
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	1	0.53
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	1	0.53
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	1	0.53
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	1	0.53

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	1	0.53
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	16	0.53
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	16	0.53
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	16	0.53
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	5	0.52
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	17	0.52
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	17	0.52
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	16	0.52
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	16	0.52
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	5	0.52
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	13	0.52
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	1	0.52
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	12	0.52
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	13	0.52
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	2	0.52
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	20	0.52
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	5	0.52
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	5	0.52
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	5	0.52
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	16	0.52
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	16	0.52
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	16	0.52
(1,4968)	1:148:A:ARG:HG3	1:149:A:TYR:HA	14	0.52
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	9	0.52
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	17	0.52
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	2	0.52
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	6	0.52
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	8	0.52
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	9	0.52
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	1	0.52
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	1	0.52
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	1	0.52
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	3	0.52
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	1	0.52
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	1	0.52
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	1	0.52
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	11	0.52
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	11	0.52
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	11	0.52
(1,4293)	1:217:A:GLN:HA	1:221:A:GLU:HG3	20	0.52
(1,4026)	1:166:A:VAL:HG21	1:222:A:SER:HB3	14	0.52
(1,4026)	1:166:A:VAL:HG22	1:222:A:SER:HB3	14	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4026)	1:166:A:VAL:HG23	1:222:A:SER:HB3	14	0.52
(1,4004)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	20	0.52
(1,4004)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	20	0.52
(1,4004)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	20	0.52
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	19	0.52
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	3	0.52
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	3	0.52
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	3	0.52
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	3	0.52
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	3	0.52
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	3	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	12	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	12	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	12	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	14	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	14	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	14	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	16	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	16	0.52
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	16	0.52
(1,3405)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	5	0.52
(1,3405)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	5	0.52
(1,3405)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	5	0.52
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	3	0.52
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	3	0.52
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	3	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	1	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	1	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	1	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	8	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	8	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	8	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	13	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	13	0.52
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	13	0.52
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	11	0.52
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	11	0.52
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	11	0.52
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	12	0.52
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	12	0.52
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	12	0.52
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	6	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	6	0.52
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	6	0.52
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	20	0.52
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	20	0.52
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	20	0.52
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	9	0.52
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	9	0.52
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	9	0.52
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	9	0.52
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	9	0.52
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	9	0.52
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	9	0.52
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	9	0.52
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	9	0.52
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	5	0.52
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	17	0.52
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	17	0.52
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	16	0.52
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	16	0.52
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	5	0.52
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	13	0.52
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	1	0.52
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	12	0.52
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	13	0.52
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	2	0.52
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	20	0.52
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	5	0.52
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	5	0.52
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	5	0.52
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	16	0.52
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	16	0.52
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	16	0.52
(1,1799)	1:148:A:ARG:HG3	1:149:A:TYR:HA	14	0.52
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	9	0.52
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	17	0.52
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	2	0.52
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	6	0.52
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	8	0.52
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	9	0.52
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	1	0.52
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	1	0.52
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	1	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	3	0.52
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	1	0.52
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	1	0.52
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	1	0.52
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	11	0.52
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	11	0.52
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	11	0.52
(1,1124)	1:217:A:GLN:HA	1:221:A:GLU:HG3	20	0.52
(1,857)	1:166:A:VAL:HG21	1:222:A:SER:HB3	14	0.52
(1,857)	1:166:A:VAL:HG22	1:222:A:SER:HB3	14	0.52
(1,857)	1:166:A:VAL:HG23	1:222:A:SER:HB3	14	0.52
(1,835)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	20	0.52
(1,835)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	20	0.52
(1,835)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	20	0.52
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	19	0.52
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	3	0.52
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	3	0.52
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	3	0.52
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	3	0.52
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	3	0.52
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	3	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	12	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	12	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	12	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	14	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	14	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	14	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	16	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	16	0.52
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	16	0.52
(1,236)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	5	0.52
(1,236)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	5	0.52
(1,236)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	5	0.52
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	3	0.52
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	3	0.52
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	3	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	1	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	1	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	1	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	8	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	8	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	8	0.52

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	13	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	13	0.52
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	13	0.52
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	11	0.52
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	11	0.52
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	11	0.52
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	12	0.52
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	12	0.52
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	12	0.52
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	6	0.52
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	6	0.52
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	6	0.52
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	20	0.52
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	20	0.52
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	20	0.52
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	9	0.52
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	9	0.52
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	9	0.52
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	9	0.52
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	9	0.52
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	9	0.52
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	9	0.52
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	9	0.52
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	9	0.52
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	7	0.51
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	7	0.51
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	15	0.51
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	8	0.51
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	9	0.51
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	17	0.51
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	5	0.51
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	9	0.51
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	17	0.51
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	14	0.51
(1,4774)	1:136:A:ARG:HG2	1:154:A:MET:HB3	13	0.51
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG21	19	0.51
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG22	19	0.51
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG23	19	0.51
(1,4690)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	7	0.51
(1,4690)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	7	0.51
(1,4690)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	7	0.51
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	7	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	3	0.51
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	10	0.51
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	14	0.51
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	16	0.51
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	19	0.51
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	19	0.51
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	19	0.51
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	7	0.51
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	11	0.51
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	6	0.51
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	6	0.51
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	6	0.51
(1,3623)	1:164:A:ARG:HD3	1:165:A:PRO:HD3	1	0.51
(1,3617)	1:148:A:ARG:HD2	1:151:A:ARG:HD2	13	0.51
(1,3617)	1:148:A:ARG:HD3	1:151:A:ARG:HD2	13	0.51
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	5	0.51
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	5	0.51
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	5	0.51
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	17	0.51
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	17	0.51
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	17	0.51
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	5	0.51
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	5	0.51
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	5	0.51
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	14	0.51
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	14	0.51
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	14	0.51
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	16	0.51
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	16	0.51
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	16	0.51
(1,3431)	1:130:A:LEU:HD11	1:162:A:TYR:HA	7	0.51
(1,3431)	1:130:A:LEU:HD12	1:162:A:TYR:HA	7	0.51
(1,3431)	1:130:A:LEU:HD13	1:162:A:TYR:HA	7	0.51
(1,3431)	1:130:A:LEU:HD11	1:162:A:TYR:HA	9	0.51
(1,3431)	1:130:A:LEU:HD12	1:162:A:TYR:HA	9	0.51
(1,3431)	1:130:A:LEU:HD13	1:162:A:TYR:HA	9	0.51
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	2	0.51
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	2	0.51
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	2	0.51
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	16	0.51
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	16	0.51
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	16	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	5	0.51
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	5	0.51
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	5	0.51
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	10	0.51
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	10	0.51
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	10	0.51
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	4	0.51
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	4	0.51
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	4	0.51
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	20	0.51
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	20	0.51
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	20	0.51
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	7	0.51
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	7	0.51
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	15	0.51
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	8	0.51
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	9	0.51
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	17	0.51
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	5	0.51
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	9	0.51
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	17	0.51
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	14	0.51
(1,1605)	1:136:A:ARG:HG2	1:154:A:MET:HB3	13	0.51
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG21	19	0.51
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG22	19	0.51
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG23	19	0.51
(1,1521)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	7	0.51
(1,1521)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	7	0.51
(1,1521)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	7	0.51
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	7	0.51
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	3	0.51
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	10	0.51
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	14	0.51
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	16	0.51
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	19	0.51
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	19	0.51
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	19	0.51
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	7	0.51
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	11	0.51
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	6	0.51
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	6	0.51
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	6	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,454)	1:164:A:ARG:HD3	1:165:A:PRO:HD3	1	0.51
(1,448)	1:148:A:ARG:HD2	1:151:A:ARG:HD2	13	0.51
(1,448)	1:148:A:ARG:HD3	1:151:A:ARG:HD2	13	0.51
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	5	0.51
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	5	0.51
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	5	0.51
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	17	0.51
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	17	0.51
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	17	0.51
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	5	0.51
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	5	0.51
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	5	0.51
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	14	0.51
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	14	0.51
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	14	0.51
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	16	0.51
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	16	0.51
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	16	0.51
(1,262)	1:130:A:LEU:HD11	1:162:A:TYR:HA	7	0.51
(1,262)	1:130:A:LEU:HD12	1:162:A:TYR:HA	7	0.51
(1,262)	1:130:A:LEU:HD13	1:162:A:TYR:HA	7	0.51
(1,262)	1:130:A:LEU:HD11	1:162:A:TYR:HA	9	0.51
(1,262)	1:130:A:LEU:HD12	1:162:A:TYR:HA	9	0.51
(1,262)	1:130:A:LEU:HD13	1:162:A:TYR:HA	9	0.51
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	2	0.51
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	2	0.51
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	2	0.51
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	16	0.51
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	16	0.51
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	16	0.51
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	5	0.51
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	5	0.51
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	5	0.51
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	10	0.51
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	10	0.51
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	10	0.51
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	4	0.51
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	4	0.51
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	4	0.51
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	20	0.51
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	20	0.51
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	20	0.51

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	18	0.5
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	18	0.5
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	5	0.5
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	2	0.5
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	6	0.5
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	19	0.5
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	1	0.5
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	12	0.5
(1,5584)	1:217:A:GLN:HE22	1:221:A:GLU:H	5	0.5
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	3	0.5
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	12	0.5
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	18	0.5
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	3	0.5
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	4	0.5
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	13	0.5
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	11	0.5
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	11	0.5
(1,4712)	1:136:A:ARG:HA	1:136:A:ARG:HG3	10	0.5
(1,4634)	1:161:A:VAL:HG11	1:213:A:MET:HG2	15	0.5
(1,4634)	1:161:A:VAL:HG12	1:213:A:MET:HG2	15	0.5
(1,4634)	1:161:A:VAL:HG13	1:213:A:MET:HG2	15	0.5
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	17	0.5
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	20	0.5
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	10	0.5
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	8	0.5
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	8	0.5
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	5	0.5
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	12	0.5
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	17	0.5
(1,3806)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	10	0.5
(1,3806)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	10	0.5
(1,3806)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	10	0.5
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	15	0.5
(1,3659)	1:137:A:PRO:HD3	1:209:A:VAL:HA	16	0.5
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG2	18	0.5
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG3	18	0.5
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG2	18	0.5
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG3	18	0.5
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG2	18	0.5
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG3	18	0.5
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	15	0.5
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	15	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	15	0.5
(1,3497)	1:166:A:VAL:HG11	1:167:A:ASP:H	20	0.5
(1,3497)	1:166:A:VAL:HG12	1:167:A:ASP:H	20	0.5
(1,3497)	1:166:A:VAL:HG13	1:167:A:ASP:H	20	0.5
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	11	0.5
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	11	0.5
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	11	0.5
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	11	0.5
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	18	0.5
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	18	0.5
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	18	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	5	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	5	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	5	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	10	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	10	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	10	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	12	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	12	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	12	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	20	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	20	0.5
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	20	0.5
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	4	0.5
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	4	0.5
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	4	0.5
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	20	0.5
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	20	0.5
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	20	0.5
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	18	0.5
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	18	0.5
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	5	0.5
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	2	0.5
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	6	0.5
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	19	0.5
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	1	0.5
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	12	0.5
(1,2415)	1:217:A:GLN:HE22	1:221:A:GLU:H	5	0.5
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	3	0.5
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	12	0.5
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	18	0.5
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	3	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	4	0.5
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	13	0.5
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	11	0.5
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	11	0.5
(1,1543)	1:136:A:ARG:HA	1:136:A:ARG:HG3	10	0.5
(1,1465)	1:161:A:VAL:HG11	1:213:A:MET:HG2	15	0.5
(1,1465)	1:161:A:VAL:HG12	1:213:A:MET:HG2	15	0.5
(1,1465)	1:161:A:VAL:HG13	1:213:A:MET:HG2	15	0.5
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	17	0.5
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	20	0.5
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	10	0.5
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	8	0.5
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	8	0.5
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	5	0.5
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	12	0.5
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	17	0.5
(1,637)	1:161:A:VAL:HG21	1:217:A:GLN:HB2	10	0.5
(1,637)	1:161:A:VAL:HG22	1:217:A:GLN:HB2	10	0.5
(1,637)	1:161:A:VAL:HG23	1:217:A:GLN:HB2	10	0.5
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	15	0.5
(1,490)	1:137:A:PRO:HD3	1:209:A:VAL:HA	16	0.5
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG2	18	0.5
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG3	18	0.5
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG2	18	0.5
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG3	18	0.5
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG2	18	0.5
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG3	18	0.5
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	15	0.5
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	15	0.5
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	15	0.5
(1,328)	1:166:A:VAL:HG11	1:167:A:ASP:H	20	0.5
(1,328)	1:166:A:VAL:HG12	1:167:A:ASP:H	20	0.5
(1,328)	1:166:A:VAL:HG13	1:167:A:ASP:H	20	0.5
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	11	0.5
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	11	0.5
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	11	0.5
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	11	0.5
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	18	0.5
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	18	0.5
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	18	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	5	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	5	0.5

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	5	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	10	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	10	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	10	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	12	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	12	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	12	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	20	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	20	0.5
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	20	0.5
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	4	0.5
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	4	0.5
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	4	0.5
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	20	0.5
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	20	0.5
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	20	0.5
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	20	0.49
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	20	0.49
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	20	0.49
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	20	0.49
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	20	0.49
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	20	0.49
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	11	0.49
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	17	0.49
(1,5766)	1:130:A:LEU:HD11	1:160:A:GLN:H	14	0.49
(1,5766)	1:130:A:LEU:HD12	1:160:A:GLN:H	14	0.49
(1,5766)	1:130:A:LEU:HD13	1:160:A:GLN:H	14	0.49
(1,5765)	1:160:A:GLN:H	1:161:A:VAL:HG11	18	0.49
(1,5765)	1:160:A:GLN:H	1:161:A:VAL:HG12	18	0.49
(1,5765)	1:160:A:GLN:H	1:161:A:VAL:HG13	18	0.49
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	2	0.49
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	4	0.49
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	7	0.49
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	11	0.49
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	13	0.49
(1,5584)	1:217:A:GLN:HE22	1:221:A:GLU:H	10	0.49
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	12	0.49
(1,5528)	1:153:A:ASN:HB3	1:154:A:MET:H	17	0.49
(1,5444)	1:166:A:VAL:H	1:221:A:GLU:HG2	1	0.49
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	15	0.49
(1,4989)	1:168:A:GLN:HB2	1:169:A:TYR:HE1	11	0.49
(1,4989)	1:168:A:GLN:HB2	1:169:A:TYR:HE2	11	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	3	0.49
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	12	0.49
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	12	0.49
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	12	0.49
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	2	0.49
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	6	0.49
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	16	0.49
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	16	0.49
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	16	0.49
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	19	0.49
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	14	0.49
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	18	0.49
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	18	0.49
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	18	0.49
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	18	0.49
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	18	0.49
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	18	0.49
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	15	0.49
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	20	0.49
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	20	0.49
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	20	0.49
(1,4293)	1:217:A:GLN:HA	1:221:A:GLU:HG3	1	0.49
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	8	0.49
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	11	0.49
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	14	0.49
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	20	0.49
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	15	0.49
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG2	8	0.49
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG3	8	0.49
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG2	8	0.49
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG3	8	0.49
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG2	8	0.49
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG3	8	0.49
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	3	0.49
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	3	0.49
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	3	0.49
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	1	0.49
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	1	0.49
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	1	0.49
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	9	0.49
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	9	0.49
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	9	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	9	0.49
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	6	0.49
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	5	0.49
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	5	0.49
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	5	0.49
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	2	0.49
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	2	0.49
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	2	0.49
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	3	0.49
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	3	0.49
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	3	0.49
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	14	0.49
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	14	0.49
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	14	0.49
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	14	0.49
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	14	0.49
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	14	0.49
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	14	0.49
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	14	0.49
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	14	0.49
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	4	0.49
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	4	0.49
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	4	0.49
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	7	0.49
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	7	0.49
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	7	0.49
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	10	0.49
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	10	0.49
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	10	0.49
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	20	0.49
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	20	0.49
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	20	0.49
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	20	0.49
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	20	0.49
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	20	0.49
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	11	0.49
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	17	0.49
(1,2597)	1:130:A:LEU:HD11	1:160:A:GLN:H	14	0.49
(1,2597)	1:130:A:LEU:HD12	1:160:A:GLN:H	14	0.49
(1,2597)	1:130:A:LEU:HD13	1:160:A:GLN:H	14	0.49
(1,2596)	1:160:A:GLN:H	1:161:A:VAL:HG11	18	0.49
(1,2596)	1:160:A:GLN:H	1:161:A:VAL:HG12	18	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2596)	1:160:A:GLN:H	1:161:A:VAL:HG13	18	0.49
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	2	0.49
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	4	0.49
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	7	0.49
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	11	0.49
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	13	0.49
(1,2415)	1:217:A:GLN:HE22	1:221:A:GLU:H	10	0.49
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	12	0.49
(1,2359)	1:153:A:ASN:HB3	1:154:A:MET:H	17	0.49
(1,2275)	1:166:A:VAL:H	1:221:A:GLU:HG2	1	0.49
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	15	0.49
(1,1820)	1:168:A:GLN:HB2	1:169:A:TYR:HE1	11	0.49
(1,1820)	1:168:A:GLN:HB2	1:169:A:TYR:HE2	11	0.49
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	3	0.49
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	12	0.49
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	12	0.49
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	12	0.49
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	2	0.49
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	6	0.49
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	16	0.49
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	16	0.49
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	16	0.49
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	19	0.49
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	14	0.49
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	18	0.49
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	18	0.49
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	18	0.49
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	18	0.49
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	18	0.49
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	18	0.49
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	15	0.49
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	20	0.49
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	20	0.49
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	20	0.49
(1,1124)	1:217:A:GLN:HA	1:221:A:GLU:HG3	1	0.49
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	8	0.49
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	11	0.49
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	14	0.49
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	20	0.49
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	15	0.49
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG2	8	0.49
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG3	8	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG2	8	0.49
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG3	8	0.49
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG2	8	0.49
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG3	8	0.49
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	3	0.49
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	3	0.49
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	3	0.49
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	1	0.49
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	1	0.49
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	1	0.49
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	9	0.49
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	9	0.49
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	9	0.49
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	9	0.49
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	6	0.49
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	5	0.49
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	5	0.49
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	5	0.49
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	2	0.49
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	2	0.49
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	2	0.49
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	3	0.49
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	3	0.49
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	3	0.49
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	14	0.49
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	14	0.49
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	14	0.49
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	14	0.49
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	14	0.49
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	14	0.49
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	14	0.49
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	14	0.49
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	14	0.49
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	4	0.49
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	4	0.49
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	4	0.49
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	7	0.49
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	7	0.49
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	7	0.49
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	10	0.49
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	10	0.49
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	10	0.49

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	15	0.48
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	15	0.48
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	7	0.48
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	10	0.48
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	16	0.48
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	19	0.48
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	15	0.48
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	9	0.48
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	16	0.48
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	10	0.48
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	15	0.48
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	15	0.48
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	15	0.48
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	4	0.48
(1,4652)	1:184:A:ILE:HG21	1:206:A:MET:HG3	16	0.48
(1,4652)	1:184:A:ILE:HG22	1:206:A:MET:HG3	16	0.48
(1,4652)	1:184:A:ILE:HG23	1:206:A:MET:HG3	16	0.48
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	15	0.48
(1,4539)	1:223:A:GLN:HG3	1:224:A:ALA:H	18	0.48
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	14	0.48
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	14	0.48
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	14	0.48
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	3	0.48
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	1	0.48
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	2	0.48
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	9	0.48
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	10	0.48
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	16	0.48
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	9	0.48
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	7	0.48
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	19	0.48
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	3	0.48
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE1	2	0.48
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE2	2	0.48
(1,3837)	1:204:A:LYS:HG3	1:205:A:MET:HE3	2	0.48
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	15	0.48
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	15	0.48
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	15	0.48
(1,3613)	1:122:A:VAL:HG11	1:125:A:LEU:HG	10	0.48
(1,3613)	1:122:A:VAL:HG12	1:125:A:LEU:HG	10	0.48
(1,3613)	1:122:A:VAL:HG13	1:125:A:LEU:HG	10	0.48
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	5	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	5	0.48
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	5	0.48
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	5	0.48
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	5	0.48
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	5	0.48
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	1	0.48
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	1	0.48
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	1	0.48
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	5	0.48
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	5	0.48
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	5	0.48
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	2	0.48
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	2	0.48
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	2	0.48
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	3	0.48
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	3	0.48
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	3	0.48
(1,3424)	1:130:A:LEU:HG	1:131:A:GLY:HA3	14	0.48
(1,3278)	1:161:A:VAL:HG11	1:213:A:MET:H	15	0.48
(1,3278)	1:161:A:VAL:HG12	1:213:A:MET:H	15	0.48
(1,3278)	1:161:A:VAL:HG13	1:213:A:MET:H	15	0.48
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	15	0.48
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	15	0.48
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	7	0.48
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	10	0.48
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	16	0.48
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	19	0.48
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	15	0.48
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	9	0.48
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	16	0.48
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	10	0.48
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	15	0.48
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	15	0.48
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	15	0.48
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	4	0.48
(1,1483)	1:184:A:ILE:HG21	1:206:A:MET:HG3	16	0.48
(1,1483)	1:184:A:ILE:HG22	1:206:A:MET:HG3	16	0.48
(1,1483)	1:184:A:ILE:HG23	1:206:A:MET:HG3	16	0.48
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	15	0.48
(1,1370)	1:223:A:GLN:HG3	1:224:A:ALA:H	18	0.48
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	14	0.48
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	14	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	14	0.48
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	3	0.48
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	1	0.48
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	2	0.48
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	9	0.48
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	10	0.48
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	16	0.48
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	9	0.48
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	7	0.48
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	19	0.48
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	3	0.48
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE1	2	0.48
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE2	2	0.48
(1,668)	1:204:A:LYS:HG3	1:205:A:MET:HE3	2	0.48
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	15	0.48
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	15	0.48
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	15	0.48
(1,444)	1:122:A:VAL:HG11	1:125:A:LEU:HG	10	0.48
(1,444)	1:122:A:VAL:HG12	1:125:A:LEU:HG	10	0.48
(1,444)	1:122:A:VAL:HG13	1:125:A:LEU:HG	10	0.48
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	5	0.48
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	5	0.48
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	5	0.48
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	5	0.48
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	5	0.48
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	5	0.48
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	1	0.48
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	1	0.48
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	1	0.48
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	5	0.48
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	5	0.48
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	5	0.48
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	2	0.48
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	2	0.48
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	2	0.48
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	3	0.48
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	3	0.48
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	3	0.48
(1,255)	1:130:A:LEU:HG	1:131:A:GLY:HA3	14	0.48
(1,109)	1:161:A:VAL:HG11	1:213:A:MET:H	15	0.48
(1,109)	1:161:A:VAL:HG12	1:213:A:MET:H	15	0.48
(1,109)	1:161:A:VAL:HG13	1:213:A:MET:H	15	0.48

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	7	0.47
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	7	0.47
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	11	0.47
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	7	0.47
(1,5830)	1:220:A:LYS:HA	1:223:A:GLN:HE21	9	0.47
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	3	0.47
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	5	0.47
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	15	0.47
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	5	0.47
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	16	0.47
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	18	0.47
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	2	0.47
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	3	0.47
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	20	0.47
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	3	0.47
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	19	0.47
(1,4967)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	5	0.47
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	1	0.47
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	1	0.47
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	1	0.47
(1,4690)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	5	0.47
(1,4690)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	5	0.47
(1,4690)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	5	0.47
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	19	0.47
(1,4576)	1:133:A:ALA:HA	1:160:A:GLN:HB2	4	0.47
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	12	0.47
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	12	0.47
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	12	0.47
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	9	0.47
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	5	0.47
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	5	0.47
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	5	0.47
(1,4354)	1:217:A:GLN:HA	1:220:A:LYS:HB3	5	0.47
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	3	0.47
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	4	0.47
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	13	0.47
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	18	0.47
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	1	0.47
(1,3809)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	18	0.47
(1,3809)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	18	0.47
(1,3809)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	18	0.47
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	18	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	18	0.47
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	18	0.47
(1,3673)	1:122:A:VAL:HB	1:125:A:LEU:HB3	10	0.47
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	8	0.47
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	8	0.47
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	8	0.47
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	6	0.47
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	6	0.47
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	6	0.47
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	4	0.47
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	4	0.47
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	4	0.47
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	2	0.47
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	2	0.47
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	2	0.47
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	3	0.47
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	3	0.47
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	3	0.47
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	6	0.47
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	6	0.47
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	6	0.47
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	6	0.47
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	6	0.47
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	6	0.47
(1,3244)	1:206:A:MET:HG2	1:210:A:VAL:HG21	6	0.47
(1,3244)	1:206:A:MET:HG2	1:210:A:VAL:HG22	6	0.47
(1,3244)	1:206:A:MET:HG2	1:210:A:VAL:HG23	6	0.47
(1,3244)	1:206:A:MET:HG3	1:210:A:VAL:HG21	6	0.47
(1,3244)	1:206:A:MET:HG3	1:210:A:VAL:HG22	6	0.47
(1,3244)	1:206:A:MET:HG3	1:210:A:VAL:HG23	6	0.47
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	7	0.47
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	7	0.47
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	11	0.47
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	7	0.47
(1,2661)	1:220:A:LYS:HA	1:223:A:GLN:HE21	9	0.47
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	3	0.47
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	5	0.47
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	15	0.47
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	5	0.47
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	16	0.47
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	18	0.47
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	2	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	3	0.47
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	20	0.47
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	3	0.47
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	19	0.47
(1,1798)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	5	0.47
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	1	0.47
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	1	0.47
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	1	0.47
(1,1521)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	5	0.47
(1,1521)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	5	0.47
(1,1521)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	5	0.47
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	19	0.47
(1,1407)	1:133:A:ALA:HA	1:160:A:GLN:HB2	4	0.47
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	12	0.47
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	12	0.47
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	12	0.47
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	9	0.47
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	5	0.47
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	5	0.47
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	5	0.47
(1,1185)	1:217:A:GLN:HA	1:220:A:LYS:HB3	5	0.47
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	3	0.47
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	4	0.47
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	13	0.47
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	18	0.47
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	1	0.47
(1,640)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	18	0.47
(1,640)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	18	0.47
(1,640)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	18	0.47
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	18	0.47
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	18	0.47
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	18	0.47
(1,504)	1:122:A:VAL:HB	1:125:A:LEU:HB3	10	0.47
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	8	0.47
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	8	0.47
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	8	0.47
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	6	0.47
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	6	0.47
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	6	0.47
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	4	0.47
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	4	0.47
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	4	0.47

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	2	0.47
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	2	0.47
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	2	0.47
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	3	0.47
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	3	0.47
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	3	0.47
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	6	0.47
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	6	0.47
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	6	0.47
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	6	0.47
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	6	0.47
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	6	0.47
(1,75)	1:206:A:MET:HG2	1:210:A:VAL:HG21	6	0.47
(1,75)	1:206:A:MET:HG2	1:210:A:VAL:HG22	6	0.47
(1,75)	1:206:A:MET:HG2	1:210:A:VAL:HG23	6	0.47
(1,75)	1:206:A:MET:HG3	1:210:A:VAL:HG21	6	0.47
(1,75)	1:206:A:MET:HG3	1:210:A:VAL:HG22	6	0.47
(1,75)	1:206:A:MET:HG3	1:210:A:VAL:HG23	6	0.47
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	13	0.46
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	5	0.46
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	5	0.46
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	13	0.46
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	13	0.46
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	2	0.46
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	2	0.46
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	18	0.46
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	3	0.46
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	20	0.46
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	5	0.46
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	1	0.46
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	18	0.46
(1,5584)	1:217:A:GLN:HE22	1:221:A:GLU:H	13	0.46
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	16	0.46
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	20	0.46
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	3	0.46
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	4	0.46
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	19	0.46
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	8	0.46
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	18	0.46
(1,4989)	1:168:A:GLN:HB2	1:169:A:TYR:HE1	15	0.46
(1,4989)	1:168:A:GLN:HB2	1:169:A:TYR:HE2	15	0.46
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	18	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	18	0.46
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	18	0.46
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	13	0.46
(1,4623)	1:137:A:PRO:HD2	1:213:A:MET:HG2	12	0.46
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	11	0.46
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	11	0.46
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	11	0.46
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	19	0.46
(1,4504)	1:150:A:TYR:HB3	1:205:A:MET:HG2	2	0.46
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	6	0.46
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	13	0.46
(1,4017)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	1	0.46
(1,4017)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	1	0.46
(1,4017)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	1	0.46
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD21	1	0.46
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD22	1	0.46
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD23	1	0.46
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD21	1	0.46
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD22	1	0.46
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD23	1	0.46
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	10	0.46
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	18	0.46
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	19	0.46
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	7	0.46
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	7	0.46
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	7	0.46
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	3	0.46
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	3	0.46
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	3	0.46
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	13	0.46
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	13	0.46
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	13	0.46
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	12	0.46
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	12	0.46
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	12	0.46
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	20	0.46
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	16	0.46
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	16	0.46
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	16	0.46
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	13	0.46
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	5	0.46
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	5	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	13	0.46
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	13	0.46
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	2	0.46
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	2	0.46
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	18	0.46
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	3	0.46
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	20	0.46
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	5	0.46
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	1	0.46
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	18	0.46
(1,2415)	1:217:A:GLN:HE22	1:221:A:GLU:H	13	0.46
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	16	0.46
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	20	0.46
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	3	0.46
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	4	0.46
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	19	0.46
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	8	0.46
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	18	0.46
(1,1820)	1:168:A:GLN:HB2	1:169:A:TYR:HE1	15	0.46
(1,1820)	1:168:A:GLN:HB2	1:169:A:TYR:HE2	15	0.46
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	18	0.46
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	18	0.46
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	18	0.46
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	13	0.46
(1,1454)	1:137:A:PRO:HD2	1:213:A:MET:HG2	12	0.46
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	11	0.46
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	11	0.46
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	11	0.46
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	19	0.46
(1,1335)	1:150:A:TYR:HB3	1:205:A:MET:HG2	2	0.46
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	6	0.46
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	13	0.46
(1,848)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	1	0.46
(1,848)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	1	0.46
(1,848)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	1	0.46
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD21	1	0.46
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD22	1	0.46
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD23	1	0.46
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD21	1	0.46
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD22	1	0.46
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD23	1	0.46
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	10	0.46

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	18	0.46
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	19	0.46
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	7	0.46
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	7	0.46
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	7	0.46
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	3	0.46
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	3	0.46
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	3	0.46
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	13	0.46
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	13	0.46
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	13	0.46
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	12	0.46
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	12	0.46
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	12	0.46
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	20	0.46
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	16	0.46
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	16	0.46
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	16	0.46
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	11	0.45
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	11	0.45
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	11	0.45
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	11	0.45
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	8	0.45
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	18	0.45
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	20	0.45
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	10	0.45
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	8	0.45
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	1	0.45
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	8	0.45
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	13	0.45
(1,5483)	1:178:A:ASP:H	1:178:A:ASP:HB2	19	0.45
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	2	0.45
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	3	0.45
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	5	0.45
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	17	0.45
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	12	0.45
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	14	0.45
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	14	0.45
(1,5020)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	14	0.45
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	13	0.45
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	17	0.45
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	6	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	19	0.45
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	4	0.45
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	4	0.45
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	4	0.45
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	17	0.45
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	17	0.45
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	7	0.45
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	13	0.45
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG11	15	0.45
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG12	15	0.45
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG13	15	0.45
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	8	0.45
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	15	0.45
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	20	0.45
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	7	0.45
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	7	0.45
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	7	0.45
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	16	0.45
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	16	0.45
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	16	0.45
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	2	0.45
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	12	0.45
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	4	0.45
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	4	0.45
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	4	0.45
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	13	0.45
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	13	0.45
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	13	0.45
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	7	0.45
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	7	0.45
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	7	0.45
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	2	0.45
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	4	0.45
(1,3431)	1:130:A:LEU:HD11	1:162:A:TYR:HA	6	0.45
(1,3431)	1:130:A:LEU:HD12	1:162:A:TYR:HA	6	0.45
(1,3431)	1:130:A:LEU:HD13	1:162:A:TYR:HA	6	0.45
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	18	0.45
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	18	0.45
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	18	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	1	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	1	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	1	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	2	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	2	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	2	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	11	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	11	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	11	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	19	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	19	0.45
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	19	0.45
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	6	0.45
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	6	0.45
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	6	0.45
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	2	0.45
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	2	0.45
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	2	0.45
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	11	0.45
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	11	0.45
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	11	0.45
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	11	0.45
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	8	0.45
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	18	0.45
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	20	0.45
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	10	0.45
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	8	0.45
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	1	0.45
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	8	0.45
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	13	0.45
(1,2314)	1:178:A:ASP:H	1:178:A:ASP:HB2	19	0.45
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	2	0.45
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	3	0.45
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	5	0.45
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	17	0.45
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	12	0.45
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG21	14	0.45
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG22	14	0.45
(1,1851)	1:158:A:PRO:HD3	1:210:A:VAL:HG23	14	0.45
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	13	0.45
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	17	0.45
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	6	0.45
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	19	0.45
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	4	0.45
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	4	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	4	0.45
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	17	0.45
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	17	0.45
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	7	0.45
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	13	0.45
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG11	15	0.45
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG12	15	0.45
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG13	15	0.45
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	8	0.45
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	15	0.45
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	20	0.45
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	7	0.45
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	7	0.45
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	7	0.45
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	16	0.45
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	16	0.45
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	16	0.45
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	2	0.45
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	12	0.45
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	4	0.45
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	4	0.45
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	4	0.45
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	13	0.45
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	13	0.45
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	13	0.45
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	7	0.45
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	7	0.45
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	7	0.45
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	2	0.45
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	4	0.45
(1,262)	1:130:A:LEU:HD11	1:162:A:TYR:HA	6	0.45
(1,262)	1:130:A:LEU:HD12	1:162:A:TYR:HA	6	0.45
(1,262)	1:130:A:LEU:HD13	1:162:A:TYR:HA	6	0.45
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	18	0.45
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	18	0.45
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	18	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	1	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	1	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	1	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	2	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	2	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	2	0.45

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	11	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	11	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	11	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	19	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	19	0.45
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	19	0.45
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	6	0.45
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	6	0.45
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	6	0.45
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	2	0.45
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	2	0.45
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	2	0.45
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	6	0.44
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	9	0.44
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	14	0.44
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	10	0.44
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	14	0.44
(1,4969)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	6	0.44
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	2	0.44
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	2	0.44
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	2	0.44
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	17	0.44
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	17	0.44
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	17	0.44
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	12	0.44
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	12	0.44
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	12	0.44
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	3	0.44
(1,4527)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	10	0.44
(1,4527)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	10	0.44
(1,4527)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	10	0.44
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	8	0.44
(1,4169)	1:214:A:CYS:HA	1:217:A:GLN:HB3	10	0.44
(1,4169)	1:214:A:CYS:HA	1:217:A:GLN:HB3	14	0.44
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	4	0.44
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	4	0.44
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	4	0.44
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	14	0.44
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	14	0.44
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	14	0.44
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	18	0.44
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	18	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	18	0.44
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	18	0.44
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	18	0.44
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	18	0.44
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	18	0.44
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	18	0.44
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	18	0.44
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	16	0.44
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	16	0.44
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	16	0.44
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	3	0.44
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	3	0.44
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	3	0.44
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	17	0.44
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	17	0.44
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	17	0.44
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG11	11	0.44
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG12	11	0.44
(1,3359)	1:203:A:VAL:H	1:203:A:VAL:HG13	11	0.44
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	5	0.44
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	5	0.44
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	5	0.44
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	14	0.44
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	14	0.44
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	14	0.44
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	5	0.44
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	5	0.44
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	5	0.44
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	6	0.44
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	9	0.44
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	14	0.44
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	10	0.44
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	14	0.44
(1,1800)	1:148:A:ARG:HG3	1:152:A:GLU:HG2	6	0.44
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	2	0.44
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	2	0.44
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	2	0.44
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	17	0.44
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	17	0.44
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	17	0.44
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	12	0.44
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	12	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	12	0.44
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	3	0.44
(1,1358)	1:215:A:VAL:HG21	1:219:A:GLN:HG3	10	0.44
(1,1358)	1:215:A:VAL:HG22	1:219:A:GLN:HG3	10	0.44
(1,1358)	1:215:A:VAL:HG23	1:219:A:GLN:HG3	10	0.44
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	8	0.44
(1,1000)	1:214:A:CYS:HA	1:217:A:GLN:HB3	10	0.44
(1,1000)	1:214:A:CYS:HA	1:217:A:GLN:HB3	14	0.44
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	4	0.44
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	4	0.44
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	4	0.44
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	14	0.44
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	14	0.44
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	14	0.44
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	18	0.44
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	18	0.44
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	18	0.44
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	18	0.44
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	18	0.44
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	18	0.44
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	18	0.44
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	18	0.44
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	18	0.44
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	16	0.44
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	16	0.44
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	16	0.44
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	3	0.44
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	3	0.44
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	3	0.44
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	17	0.44
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	17	0.44
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	17	0.44
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG11	11	0.44
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG12	11	0.44
(1,190)	1:203:A:VAL:H	1:203:A:VAL:HG13	11	0.44
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	5	0.44
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	5	0.44
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	5	0.44
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	14	0.44
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	14	0.44
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	14	0.44
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	5	0.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	5	0.44
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	5	0.44
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	16	0.43
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	19	0.43
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	19	0.43
(1,5963)	1:168:A:GLN:HB3	1:169:A:TYR:HD1	8	0.43
(1,5963)	1:168:A:GLN:HB3	1:169:A:TYR:HD2	8	0.43
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	16	0.43
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	4	0.43
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	12	0.43
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	4	0.43
(1,5771)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	7	0.43
(1,5766)	1:130:A:LEU:HD11	1:160:A:GLN:H	5	0.43
(1,5766)	1:130:A:LEU:HD12	1:160:A:GLN:H	5	0.43
(1,5766)	1:130:A:LEU:HD13	1:160:A:GLN:H	5	0.43
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	6	0.43
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	14	0.43
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	15	0.43
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	15	0.43
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	15	0.43
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	15	0.43
(1,5528)	1:153:A:ASN:HB3	1:154:A:MET:H	18	0.43
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	19	0.43
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	15	0.43
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	16	0.43
(1,4823)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	9	0.43
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	10	0.43
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	10	0.43
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	10	0.43
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	1	0.43
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	5	0.43
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	8	0.43
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	6	0.43
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	6	0.43
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	6	0.43
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	19	0.43
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	7	0.43
(1,4169)	1:214:A:CYS:HA	1:217:A:GLN:HB3	5	0.43
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	12	0.43
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	15	0.43
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	10	0.43
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	17	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	17	0.43
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	17	0.43
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	6	0.43
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	6	0.43
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	6	0.43
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	16	0.43
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	19	0.43
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	19	0.43
(1,2794)	1:168:A:GLN:HB3	1:169:A:TYR:HD1	8	0.43
(1,2794)	1:168:A:GLN:HB3	1:169:A:TYR:HD2	8	0.43
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	16	0.43
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	4	0.43
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	12	0.43
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	4	0.43
(1,2602)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	7	0.43
(1,2597)	1:130:A:LEU:HD11	1:160:A:GLN:H	5	0.43
(1,2597)	1:130:A:LEU:HD12	1:160:A:GLN:H	5	0.43
(1,2597)	1:130:A:LEU:HD13	1:160:A:GLN:H	5	0.43
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	6	0.43
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	14	0.43
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	15	0.43
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	15	0.43
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	15	0.43
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	15	0.43
(1,2359)	1:153:A:ASN:HB3	1:154:A:MET:H	18	0.43
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	19	0.43
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	15	0.43
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	16	0.43
(1,1654)	1:207:A:GLU:HB2	1:208:A:ARG:HB3	9	0.43
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	10	0.43
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	10	0.43
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	10	0.43
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	1	0.43
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	5	0.43
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	8	0.43
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	6	0.43
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	6	0.43
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	6	0.43
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	19	0.43
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	7	0.43
(1,1000)	1:214:A:CYS:HA	1:217:A:GLN:HB3	5	0.43
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	12	0.43

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	15	0.43
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	10	0.43
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	17	0.43
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	17	0.43
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	17	0.43
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	6	0.43
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	6	0.43
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	6	0.43
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	9	0.42
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	18	0.42
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	6	0.42
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	10	0.42
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	14	0.42
(1,5773)	1:217:A:GLN:HE21	1:220:A:LYS:HB3	10	0.42
(1,5771)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	15	0.42
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	6	0.42
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	14	0.42
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	14	0.42
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	14	0.42
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	20	0.42
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	16	0.42
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	7	0.42
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	13	0.42
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	11	0.42
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	13	0.42
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	13	0.42
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	17	0.42
(1,4318)	1:148:A:ARG:HA	1:152:A:GLU:HG2	20	0.42
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	5	0.42
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD21	5	0.42
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD22	5	0.42
(1,3815)	1:120:A:SER:HB2	1:130:A:LEU:HD23	5	0.42
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD21	5	0.42
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD22	5	0.42
(1,3815)	1:120:A:SER:HB3	1:130:A:LEU:HD23	5	0.42
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	4	0.42
(1,3659)	1:137:A:PRO:HD3	1:209:A:VAL:HA	8	0.42
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	8	0.42
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	8	0.42
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	8	0.42
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	16	0.42
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	16	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	16	0.42
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	20	0.42
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	20	0.42
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	20	0.42
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	16	0.42
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	17	0.42
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	16	0.42
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	16	0.42
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	16	0.42
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	19	0.42
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	19	0.42
(1,3263)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	19	0.42
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	19	0.42
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	19	0.42
(1,3263)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	19	0.42
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	8	0.42
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	8	0.42
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	8	0.42
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	1	0.42
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	1	0.42
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	1	0.42
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	9	0.42
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	18	0.42
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	6	0.42
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	10	0.42
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	14	0.42
(1,2604)	1:217:A:GLN:HE21	1:220:A:LYS:HB3	10	0.42
(1,2602)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	15	0.42
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	6	0.42
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	14	0.42
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	14	0.42
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	14	0.42
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	20	0.42
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	16	0.42
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	7	0.42
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	13	0.42
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	11	0.42
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	13	0.42
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	13	0.42
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	17	0.42
(1,1149)	1:148:A:ARG:HA	1:152:A:GLU:HG2	20	0.42
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	5	0.42

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD21	5	0.42
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD22	5	0.42
(1,646)	1:120:A:SER:HB2	1:130:A:LEU:HD23	5	0.42
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD21	5	0.42
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD22	5	0.42
(1,646)	1:120:A:SER:HB3	1:130:A:LEU:HD23	5	0.42
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	4	0.42
(1,490)	1:137:A:PRO:HD3	1:209:A:VAL:HA	8	0.42
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	8	0.42
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	8	0.42
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	8	0.42
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	16	0.42
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	16	0.42
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	16	0.42
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	20	0.42
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	20	0.42
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	20	0.42
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	16	0.42
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	17	0.42
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	16	0.42
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	16	0.42
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	16	0.42
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG11	19	0.42
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG12	19	0.42
(1,94)	1:137:A:PRO:HG2	1:209:A:VAL:HG13	19	0.42
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG11	19	0.42
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG12	19	0.42
(1,94)	1:137:A:PRO:HG3	1:209:A:VAL:HG13	19	0.42
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	8	0.42
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	8	0.42
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	8	0.42
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	1	0.42
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	1	0.42
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	1	0.42
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	3	0.41
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	3	0.41
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	3	0.41
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	3	0.41
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	3	0.41
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	3	0.41
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	14	0.41
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	14	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	14	0.41
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	14	0.41
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	14	0.41
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	14	0.41
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	18	0.41
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	18	0.41
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	18	0.41
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	18	0.41
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	18	0.41
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	18	0.41
(1,6155)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	2	0.41
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	8	0.41
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	8	0.41
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	8	0.41
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	8	0.41
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	8	0.41
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	8	0.41
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	11	0.41
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	11	0.41
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	10	0.41
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	10	0.41
(1,5630)	1:177:A:HIS:H	1:177:A:HIS:HB3	14	0.41
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	18	0.41
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	13	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	4	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	4	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	4	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	6	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	6	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	6	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	16	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	16	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	16	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	17	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	17	0.41
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	17	0.41
(1,5528)	1:153:A:ASN:HB3	1:154:A:MET:H	14	0.41
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	11	0.41
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	19	0.41
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	3	0.41
(1,4968)	1:148:A:ARG:HG3	1:149:A:TYR:HA	18	0.41
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	13	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	13	0.41
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	13	0.41
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	9	0.41
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	18	0.41
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	12	0.41
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	4	0.41
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	4	0.41
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	4	0.41
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	19	0.41
(1,4169)	1:214:A:CYS:HA	1:217:A:GLN:HB3	3	0.41
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	11	0.41
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	14	0.41
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	2	0.41
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	20	0.41
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	20	0.41
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	20	0.41
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	19	0.41
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	19	0.41
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	19	0.41
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	17	0.41
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	15	0.41
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	15	0.41
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	15	0.41
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	15	0.41
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	15	0.41
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	15	0.41
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	15	0.41
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	15	0.41
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	15	0.41
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	16	0.41
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	16	0.41
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	16	0.41
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	17	0.41
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	17	0.41
(1,3255)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	17	0.41
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	3	0.41
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	3	0.41
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	3	0.41
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	3	0.41
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	3	0.41
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	3	0.41
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	14	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	14	0.41
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	14	0.41
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	14	0.41
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	14	0.41
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	14	0.41
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	18	0.41
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	18	0.41
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	18	0.41
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	18	0.41
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	18	0.41
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	18	0.41
(1,2986)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	2	0.41
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	8	0.41
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	8	0.41
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	8	0.41
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	8	0.41
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	8	0.41
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	8	0.41
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	11	0.41
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	11	0.41
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	10	0.41
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	10	0.41
(1,2461)	1:177:A:HIS:H	1:177:A:HIS:HB3	14	0.41
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	18	0.41
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	13	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	4	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	4	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	4	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	6	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	6	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	6	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	16	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	16	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	16	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	17	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	17	0.41
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	17	0.41
(1,2359)	1:153:A:ASN:HB3	1:154:A:MET:H	14	0.41
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	11	0.41
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	19	0.41
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	3	0.41
(1,1799)	1:148:A:ARG:HG3	1:149:A:TYR:HA	18	0.41

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	13	0.41
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	13	0.41
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	13	0.41
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	9	0.41
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	18	0.41
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	12	0.41
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	4	0.41
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	4	0.41
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	4	0.41
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	19	0.41
(1,1000)	1:214:A:CYS:HA	1:217:A:GLN:HB3	3	0.41
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	11	0.41
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	14	0.41
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	2	0.41
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	20	0.41
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	20	0.41
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	20	0.41
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	19	0.41
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	19	0.41
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	19	0.41
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	17	0.41
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	15	0.41
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	15	0.41
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	15	0.41
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	15	0.41
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	15	0.41
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	15	0.41
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	15	0.41
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	15	0.41
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	15	0.41
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	16	0.41
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	16	0.41
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	16	0.41
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG11	17	0.41
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG12	17	0.41
(1,86)	1:141:A:PHE:HZ	1:209:A:VAL:HG13	17	0.41
(1,6155)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	11	0.4
(1,6082)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	6	0.4
(1,6082)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	6	0.4
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	1	0.4
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	8	0.4
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	13	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	13	0.4
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	13	0.4
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	12	0.4
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	17	0.4
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	12	0.4
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	13	0.4
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	20	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	3	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	3	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	3	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	10	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	10	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	10	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	19	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	19	0.4
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	19	0.4
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	7	0.4
(1,5483)	1:178:A:ASP:H	1:178:A:ASP:HB2	14	0.4
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	11	0.4
(1,5237)	1:129:A:MET:H	1:165:A:PRO:HD2	17	0.4
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	6	0.4
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	1	0.4
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	15	0.4
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	8	0.4
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	8	0.4
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	2	0.4
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	2	0.4
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	8	0.4
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	8	0.4
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	8	0.4
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	9	0.4
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	9	0.4
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	9	0.4
(1,4318)	1:148:A:ARG:HA	1:152:A:GLU:HG2	6	0.4
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	10	0.4
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	10	0.4
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	10	0.4
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE1	6	0.4
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE2	6	0.4
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE3	6	0.4
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	6	0.4
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	3	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	2	0.4
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	2	0.4
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	2	0.4
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	2	0.4
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	2	0.4
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	2	0.4
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	18	0.4
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	18	0.4
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	18	0.4
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	15	0.4
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	15	0.4
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	15	0.4
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	5	0.4
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	5	0.4
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	5	0.4
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	16	0.4
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	16	0.4
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	16	0.4
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	8	0.4
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	8	0.4
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	8	0.4
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	14	0.4
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	14	0.4
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	14	0.4
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	14	0.4
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	14	0.4
(1,3266)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	14	0.4
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	5	0.4
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	5	0.4
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	5	0.4
(1,3223)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	9	0.4
(1,3223)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	9	0.4
(1,3223)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	9	0.4
(1,2986)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	11	0.4
(1,2913)	1:175:A:PHE:HE1	1:218:A:TYR:HB3	6	0.4
(1,2913)	1:175:A:PHE:HE2	1:218:A:TYR:HB3	6	0.4
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	1	0.4
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	8	0.4
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	13	0.4
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	13	0.4
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	13	0.4
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	12	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	17	0.4
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	12	0.4
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	13	0.4
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	20	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	3	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	3	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	3	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	10	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	10	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	10	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	19	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	19	0.4
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	19	0.4
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	7	0.4
(1,2314)	1:178:A:ASP:H	1:178:A:ASP:HB2	14	0.4
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	11	0.4
(1,2068)	1:129:A:MET:H	1:165:A:PRO:HD2	17	0.4
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	6	0.4
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	1	0.4
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	15	0.4
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	8	0.4
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	8	0.4
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	2	0.4
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	2	0.4
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	8	0.4
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	8	0.4
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	8	0.4
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	9	0.4
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	9	0.4
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	9	0.4
(1,1149)	1:148:A:ARG:HA	1:152:A:GLU:HG2	6	0.4
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	10	0.4
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	10	0.4
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	10	0.4
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE1	6	0.4
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE2	6	0.4
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE3	6	0.4
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	6	0.4
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	3	0.4
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	2	0.4
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	2	0.4
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	2	0.4

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	2	0.4
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	2	0.4
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	2	0.4
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	18	0.4
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	18	0.4
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	18	0.4
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	15	0.4
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	15	0.4
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	15	0.4
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	5	0.4
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	5	0.4
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	5	0.4
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	16	0.4
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	16	0.4
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	16	0.4
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	8	0.4
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	8	0.4
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	8	0.4
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	14	0.4
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	14	0.4
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	14	0.4
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG11	14	0.4
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG12	14	0.4
(1,97)	1:136:A:ARG:HG2	1:209:A:VAL:HG13	14	0.4
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	5	0.4
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	5	0.4
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	5	0.4
(1,54)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	9	0.4
(1,54)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	9	0.4
(1,54)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	9	0.4
(1,6233)	1:155:A:TYR:HE1	1:156:A:ARG:HD2	18	0.39
(1,6233)	1:155:A:TYR:HE2	1:156:A:ARG:HD2	18	0.39
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	15	0.39
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	15	0.39
(1,5963)	1:168:A:GLN:HB3	1:169:A:TYR:HD1	17	0.39
(1,5963)	1:168:A:GLN:HB3	1:169:A:TYR:HD2	17	0.39
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	2	0.39
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	10	0.39
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	3	0.39
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	9	0.39
(1,5766)	1:130:A:LEU:HD11	1:160:A:GLN:H	4	0.39
(1,5766)	1:130:A:LEU:HD12	1:160:A:GLN:H	4	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5766)	1:130:A:LEU:HD13	1:160:A:GLN:H	4	0.39
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	12	0.39
(1,5605)	1:165:A:PRO:HD3	1:168:A:GLN:H	12	0.39
(1,5593)	1:171:A:ASN:HB3	1:173:A:ASN:H	17	0.39
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	13	0.39
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	13	0.39
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	13	0.39
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	20	0.39
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	20	0.39
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	20	0.39
(1,5235)	1:129:A:MET:H	1:162:A:TYR:HB2	19	0.39
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	9	0.39
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	10	0.39
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	10	0.39
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	1	0.39
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	6	0.39
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	13	0.39
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	18	0.39
(1,4023)	1:221:A:GLU:HB3	1:222:A:SER:HB2	2	0.39
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	2	0.39
(1,3930)	1:169:A:TYR:HE1	1:171:A:ASN:HB2	16	0.39
(1,3930)	1:169:A:TYR:HE2	1:171:A:ASN:HB2	16	0.39
(1,3668)	1:208:A:ARG:HA	1:208:A:ARG:HD2	16	0.39
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	18	0.39
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	18	0.39
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	18	0.39
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	18	0.39
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	18	0.39
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	18	0.39
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	3	0.39
(1,3547)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	3	0.39
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	3	0.39
(1,3547)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	3	0.39
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	3	0.39
(1,3547)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	3	0.39
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	13	0.39
(1,3432)	1:130:A:LEU:HD11	1:161:A:VAL:HA	1	0.39
(1,3432)	1:130:A:LEU:HD12	1:161:A:VAL:HA	1	0.39
(1,3432)	1:130:A:LEU:HD13	1:161:A:VAL:HA	1	0.39
(1,3432)	1:130:A:LEU:HD11	1:161:A:VAL:HA	4	0.39
(1,3432)	1:130:A:LEU:HD12	1:161:A:VAL:HA	4	0.39
(1,3432)	1:130:A:LEU:HD13	1:161:A:VAL:HA	4	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	1	0.39
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	1	0.39
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	1	0.39
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	14	0.39
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	14	0.39
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	14	0.39
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	7	0.39
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	7	0.39
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	7	0.39
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	7	0.39
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	13	0.39
(1,3290)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	1	0.39
(1,3290)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	1	0.39
(1,3290)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	1	0.39
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	19	0.39
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	19	0.39
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	19	0.39
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG11	12	0.39
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG12	12	0.39
(1,3270)	1:215:A:VAL:H	1:215:A:VAL:HG13	12	0.39
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	1	0.39
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	1	0.39
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	1	0.39
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	1	0.39
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	1	0.39
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	1	0.39
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	1	0.39
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	1	0.39
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	1	0.39
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	8	0.39
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	8	0.39
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	8	0.39
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	16	0.39
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	16	0.39
(1,3246)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	16	0.39
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	16	0.39
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	16	0.39
(1,3246)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	16	0.39
(1,3223)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	5	0.39
(1,3223)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	5	0.39
(1,3223)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	5	0.39
(1,3064)	1:155:A:TYR:HE1	1:156:A:ARG:HD2	18	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3064)	1:155:A:TYR:HE2	1:156:A:ARG:HD2	18	0.39
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	15	0.39
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	15	0.39
(1,2794)	1:168:A:GLN:HB3	1:169:A:TYR:HD1	17	0.39
(1,2794)	1:168:A:GLN:HB3	1:169:A:TYR:HD2	17	0.39
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	2	0.39
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	10	0.39
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	3	0.39
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	9	0.39
(1,2597)	1:130:A:LEU:HD11	1:160:A:GLN:H	4	0.39
(1,2597)	1:130:A:LEU:HD12	1:160:A:GLN:H	4	0.39
(1,2597)	1:130:A:LEU:HD13	1:160:A:GLN:H	4	0.39
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	12	0.39
(1,2436)	1:165:A:PRO:HD3	1:168:A:GLN:H	12	0.39
(1,2424)	1:171:A:ASN:HB3	1:173:A:ASN:H	17	0.39
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	13	0.39
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	13	0.39
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	13	0.39
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	20	0.39
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	20	0.39
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	20	0.39
(1,2066)	1:129:A:MET:H	1:162:A:TYR:HB2	19	0.39
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	9	0.39
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	10	0.39
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	10	0.39
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	1	0.39
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	6	0.39
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	13	0.39
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	18	0.39
(1,854)	1:221:A:GLU:HB3	1:222:A:SER:HB2	2	0.39
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	2	0.39
(1,761)	1:169:A:TYR:HE1	1:171:A:ASN:HB2	16	0.39
(1,761)	1:169:A:TYR:HE2	1:171:A:ASN:HB2	16	0.39
(1,499)	1:208:A:ARG:HA	1:208:A:ARG:HD2	16	0.39
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	18	0.39
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	18	0.39
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	18	0.39
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	18	0.39
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	18	0.39
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	18	0.39
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA2	3	0.39
(1,378)	1:121:A:VAL:HG21	1:124:A:GLY:HA3	3	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA2	3	0.39
(1,378)	1:121:A:VAL:HG22	1:124:A:GLY:HA3	3	0.39
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA2	3	0.39
(1,378)	1:121:A:VAL:HG23	1:124:A:GLY:HA3	3	0.39
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	13	0.39
(1,263)	1:130:A:LEU:HD11	1:161:A:VAL:HA	1	0.39
(1,263)	1:130:A:LEU:HD12	1:161:A:VAL:HA	1	0.39
(1,263)	1:130:A:LEU:HD13	1:161:A:VAL:HA	1	0.39
(1,263)	1:130:A:LEU:HD11	1:161:A:VAL:HA	4	0.39
(1,263)	1:130:A:LEU:HD12	1:161:A:VAL:HA	4	0.39
(1,263)	1:130:A:LEU:HD13	1:161:A:VAL:HA	4	0.39
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	1	0.39
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	1	0.39
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	1	0.39
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	14	0.39
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	14	0.39
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	14	0.39
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	7	0.39
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	7	0.39
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	7	0.39
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	7	0.39
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	13	0.39
(1,121)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	1	0.39
(1,121)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	1	0.39
(1,121)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	1	0.39
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	19	0.39
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	19	0.39
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	19	0.39
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG11	12	0.39
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG12	12	0.39
(1,101)	1:215:A:VAL:H	1:215:A:VAL:HG13	12	0.39
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	1	0.39
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	1	0.39
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	1	0.39
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	1	0.39
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	1	0.39
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	1	0.39
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	1	0.39
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	1	0.39
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	1	0.39
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	8	0.39
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	8	0.39

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	8	0.39
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG21	16	0.39
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG22	16	0.39
(1,77)	1:158:A:PRO:HG2	1:210:A:VAL:HG23	16	0.39
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG21	16	0.39
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG22	16	0.39
(1,77)	1:158:A:PRO:HG3	1:210:A:VAL:HG23	16	0.39
(1,54)	1:184:A:ILE:HG12	1:210:A:VAL:HG11	5	0.39
(1,54)	1:184:A:ILE:HG12	1:210:A:VAL:HG12	5	0.39
(1,54)	1:184:A:ILE:HG12	1:210:A:VAL:HG13	5	0.39
(1,6155)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	4	0.38
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	3	0.38
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	1	0.38
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	1	0.38
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	1	0.38
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	16	0.38
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	17	0.38
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	5	0.38
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	7	0.38
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	15	0.38
(1,4935)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	11	0.38
(1,4935)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	11	0.38
(1,4935)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	11	0.38
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	15	0.38
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	4	0.38
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	2	0.38
(1,4632)	1:166:A:VAL:HB	1:222:A:SER:HB2	13	0.38
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	4	0.38
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	4	0.38
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	4	0.38
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	4	0.38
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	4	0.38
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	4	0.38
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG11	6	0.38
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG12	6	0.38
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG13	6	0.38
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	5	0.38
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	19	0.38
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	6	0.38
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	6	0.38
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	6	0.38
(1,3497)	1:166:A:VAL:HG11	1:167:A:ASP:H	1	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3497)	1:166:A:VAL:HG12	1:167:A:ASP:H	1	0.38
(1,3497)	1:166:A:VAL:HG13	1:167:A:ASP:H	1	0.38
(1,3497)	1:166:A:VAL:HG11	1:167:A:ASP:H	14	0.38
(1,3497)	1:166:A:VAL:HG12	1:167:A:ASP:H	14	0.38
(1,3497)	1:166:A:VAL:HG13	1:167:A:ASP:H	14	0.38
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	18	0.38
(1,3338)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	19	0.38
(1,3338)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	19	0.38
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	3	0.38
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	3	0.38
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	3	0.38
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	16	0.38
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	16	0.38
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	16	0.38
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG21	3	0.38
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG22	3	0.38
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG23	3	0.38
(1,2986)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	4	0.38
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	3	0.38
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	1	0.38
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	1	0.38
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	1	0.38
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	16	0.38
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	17	0.38
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	5	0.38
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	7	0.38
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	15	0.38
(1,1766)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	11	0.38
(1,1766)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	11	0.38
(1,1766)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	11	0.38
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	15	0.38
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	4	0.38
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	2	0.38
(1,1463)	1:166:A:VAL:HB	1:222:A:SER:HB2	13	0.38
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	4	0.38
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	4	0.38
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	4	0.38
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	4	0.38
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	4	0.38
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	4	0.38
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG11	6	0.38
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG12	6	0.38

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG13	6	0.38
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	5	0.38
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	19	0.38
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	6	0.38
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	6	0.38
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	6	0.38
(1,328)	1:166:A:VAL:HG11	1:167:A:ASP:H	1	0.38
(1,328)	1:166:A:VAL:HG12	1:167:A:ASP:H	1	0.38
(1,328)	1:166:A:VAL:HG13	1:167:A:ASP:H	1	0.38
(1,328)	1:166:A:VAL:HG11	1:167:A:ASP:H	14	0.38
(1,328)	1:166:A:VAL:HG12	1:167:A:ASP:H	14	0.38
(1,328)	1:166:A:VAL:HG13	1:167:A:ASP:H	14	0.38
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	18	0.38
(1,169)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	19	0.38
(1,169)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	19	0.38
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	3	0.38
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	3	0.38
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	3	0.38
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	16	0.38
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	16	0.38
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	16	0.38
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG21	3	0.38
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG22	3	0.38
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG23	3	0.38
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	13	0.37
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	13	0.37
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	13	0.37
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	13	0.37
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	13	0.37
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	13	0.37
(1,6155)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	3	0.37
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	13	0.37
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	13	0.37
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	13	0.37
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	13	0.37
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	13	0.37
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	13	0.37
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	6	0.37
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	6	0.37
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	17	0.37
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	4	0.37
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	16	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	17	0.37
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	1	0.37
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	7	0.37
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	5	0.37
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	5	0.37
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	5	0.37
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	13	0.37
(1,5355)	1:194:A:LYS:HB3	1:196:A:GLU:H	1	0.37
(1,4547)	1:197:A:ASN:HD21	1:198:A:PHE:HA	16	0.37
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	6	0.37
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	6	0.37
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	6	0.37
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	7	0.37
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	7	0.37
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	7	0.37
(1,4345)	1:135:A:SER:HA	1:136:A:ARG:HB2	13	0.37
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	10	0.37
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	1	0.37
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	4	0.37
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	2	0.37
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	10	0.37
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	10	0.37
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	10	0.37
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	10	0.37
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	10	0.37
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	10	0.37
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	10	0.37
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	10	0.37
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	10	0.37
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	9	0.37
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	9	0.37
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	9	0.37
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	15	0.37
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	15	0.37
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	15	0.37
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	3	0.37
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	3	0.37
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	3	0.37
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	1	0.37
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	1	0.37
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	1	0.37
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	11	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	11	0.37
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	11	0.37
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	8	0.37
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	10	0.37
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	20	0.37
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	10	0.37
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	15	0.37
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	15	0.37
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	15	0.37
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	13	0.37
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	13	0.37
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	13	0.37
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	13	0.37
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	13	0.37
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	13	0.37
(1,2986)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	3	0.37
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	13	0.37
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	13	0.37
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	13	0.37
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	13	0.37
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	13	0.37
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	13	0.37
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	6	0.37
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	6	0.37
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	17	0.37
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	4	0.37
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	16	0.37
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	17	0.37
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	1	0.37
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	7	0.37
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	5	0.37
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	5	0.37
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	5	0.37
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	13	0.37
(1,2186)	1:194:A:LYS:HB3	1:196:A:GLU:H	1	0.37
(1,1378)	1:197:A:ASN:HD21	1:198:A:PHE:HA	16	0.37
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	6	0.37
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	6	0.37
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	6	0.37
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	7	0.37
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	7	0.37
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	7	0.37

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1176)	1:135:A:SER:HA	1:136:A:ARG:HB2	13	0.37
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	10	0.37
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	1	0.37
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	4	0.37
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	2	0.37
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	10	0.37
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	10	0.37
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	10	0.37
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	10	0.37
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	10	0.37
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	10	0.37
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	10	0.37
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	10	0.37
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	10	0.37
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	9	0.37
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	9	0.37
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	9	0.37
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	15	0.37
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	15	0.37
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	15	0.37
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	3	0.37
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	3	0.37
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	3	0.37
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	1	0.37
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	1	0.37
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	1	0.37
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	11	0.37
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	11	0.37
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	11	0.37
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	8	0.37
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	10	0.37
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	20	0.37
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	10	0.37
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	15	0.37
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	15	0.37
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	15	0.37
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	19	0.36
(1,6162)	1:175:A:PHE:HZ	1:221:A:GLU:HG3	16	0.36
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	11	0.36
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	1	0.36
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	2	0.36
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	2	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	11	0.36
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	16	0.36
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	2	0.36
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	6	0.36
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	18	0.36
(1,5594)	1:173:A:ASN:H	1:173:A:ASN:HB3	11	0.36
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	15	0.36
(1,4989)	1:168:A:GLN:HB2	1:169:A:TYR:HE1	8	0.36
(1,4989)	1:168:A:GLN:HB2	1:169:A:TYR:HE2	8	0.36
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	5	0.36
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	5	0.36
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	5	0.36
(1,4941)	1:164:A:ARG:HE	1:165:A:PRO:HG3	9	0.36
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	20	0.36
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	20	0.36
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	20	0.36
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	19	0.36
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	19	0.36
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	19	0.36
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	7	0.36
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	7	0.36
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	2	0.36
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	2	0.36
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	2	0.36
(1,4345)	1:135:A:SER:HA	1:136:A:ARG:HB2	10	0.36
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	2	0.36
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	12	0.36
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	19	0.36
(1,3934)	1:136:A:ARG:HD3	1:154:A:MET:HE1	3	0.36
(1,3934)	1:136:A:ARG:HD3	1:154:A:MET:HE2	3	0.36
(1,3934)	1:136:A:ARG:HD3	1:154:A:MET:HE3	3	0.36
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	4	0.36
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE1	8	0.36
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE2	8	0.36
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE3	8	0.36
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	14	0.36
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	20	0.36
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG21	7	0.36
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG22	7	0.36
(1,3573)	1:206:A:MET:HA	1:209:A:VAL:HG23	7	0.36
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	19	0.36
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	19	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	19	0.36
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	12	0.36
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	12	0.36
(1,3431)	1:130:A:LEU:HD11	1:162:A:TYR:HA	14	0.36
(1,3431)	1:130:A:LEU:HD12	1:162:A:TYR:HA	14	0.36
(1,3431)	1:130:A:LEU:HD13	1:162:A:TYR:HA	14	0.36
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	19	0.36
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	19	0.36
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	19	0.36
(1,3338)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	2	0.36
(1,3338)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	2	0.36
(1,3290)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	2	0.36
(1,3290)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	2	0.36
(1,3290)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	2	0.36
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	4	0.36
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	4	0.36
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	4	0.36
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	20	0.36
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	20	0.36
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	20	0.36
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	11	0.36
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	11	0.36
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	11	0.36
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	19	0.36
(1,2993)	1:175:A:PHE:HZ	1:221:A:GLU:HG3	16	0.36
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	11	0.36
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	1	0.36
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	2	0.36
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	2	0.36
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	11	0.36
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	16	0.36
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	2	0.36
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	6	0.36
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	18	0.36
(1,2425)	1:173:A:ASN:H	1:173:A:ASN:HB3	11	0.36
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	15	0.36
(1,1820)	1:168:A:GLN:HB2	1:169:A:TYR:HE1	8	0.36
(1,1820)	1:168:A:GLN:HB2	1:169:A:TYR:HE2	8	0.36
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	5	0.36
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	5	0.36
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	5	0.36
(1,1772)	1:164:A:ARG:HE	1:165:A:PRO:HG3	9	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	20	0.36
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	20	0.36
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	20	0.36
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	19	0.36
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	19	0.36
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	19	0.36
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	7	0.36
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	7	0.36
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	2	0.36
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	2	0.36
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	2	0.36
(1,1176)	1:135:A:SER:HA	1:136:A:ARG:HB2	10	0.36
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	2	0.36
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	12	0.36
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	19	0.36
(1,765)	1:136:A:ARG:HD3	1:154:A:MET:HE1	3	0.36
(1,765)	1:136:A:ARG:HD3	1:154:A:MET:HE2	3	0.36
(1,765)	1:136:A:ARG:HD3	1:154:A:MET:HE3	3	0.36
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	4	0.36
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE1	8	0.36
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE2	8	0.36
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE3	8	0.36
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	14	0.36
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	20	0.36
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG21	7	0.36
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG22	7	0.36
(1,404)	1:206:A:MET:HA	1:209:A:VAL:HG23	7	0.36
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	19	0.36
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	19	0.36
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	19	0.36
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	12	0.36
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	12	0.36
(1,262)	1:130:A:LEU:HD11	1:162:A:TYR:HA	14	0.36
(1,262)	1:130:A:LEU:HD12	1:162:A:TYR:HA	14	0.36
(1,262)	1:130:A:LEU:HD13	1:162:A:TYR:HA	14	0.36
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	19	0.36
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	19	0.36
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	19	0.36
(1,169)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	2	0.36
(1,169)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	2	0.36
(1,121)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	2	0.36
(1,121)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	2	0.36

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	2	0.36
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	4	0.36
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	4	0.36
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	4	0.36
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	20	0.36
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	20	0.36
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	20	0.36
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	11	0.36
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	11	0.36
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	11	0.36
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	10	0.35
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	10	0.35
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	7	0.35
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	19	0.35
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	8	0.35
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	20	0.35
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	4	0.35
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	4	0.35
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	4	0.35
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	4	0.35
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	4	0.35
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	4	0.35
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	9	0.35
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	9	0.35
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	9	0.35
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	9	0.35
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	9	0.35
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	9	0.35
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	18	0.35
(1,5501)	1:171:A:ASN:HB2	1:174:A:ASN:H	16	0.35
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	6	0.35
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	1	0.35
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	12	0.35
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	12	0.35
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	13	0.35
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	13	0.35
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	3	0.35
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	3	0.35
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	3	0.35
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	17	0.35
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	17	0.35
(1,4339)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	17	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	5	0.35
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	6	0.35
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	9	0.35
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	12	0.35
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	12	0.35
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	12	0.35
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	12	0.35
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	12	0.35
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	12	0.35
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	12	0.35
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	12	0.35
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	12	0.35
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE1	13	0.35
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE2	13	0.35
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE3	13	0.35
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE1	3	0.35
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE2	3	0.35
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE3	3	0.35
(1,3766)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	6	0.35
(1,3766)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	6	0.35
(1,3766)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	6	0.35
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	9	0.35
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	9	0.35
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	9	0.35
(1,3659)	1:137:A:PRO:HD3	1:209:A:VAL:HA	17	0.35
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	16	0.35
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	16	0.35
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	16	0.35
(1,3548)	1:136:A:ARG:HD3	1:154:A:MET:HG2	3	0.35
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	3	0.35
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	8	0.35
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	8	0.35
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	8	0.35
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	17	0.35
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	4	0.35
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	4	0.35
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	4	0.35
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	4	0.35
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	4	0.35
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	4	0.35
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	4	0.35
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	4	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	4	0.35
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	11	0.35
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	11	0.35
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	11	0.35
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	3	0.35
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	3	0.35
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	3	0.35
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	14	0.35
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	14	0.35
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	14	0.35
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	10	0.35
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	10	0.35
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	7	0.35
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	19	0.35
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	8	0.35
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	20	0.35
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	4	0.35
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	4	0.35
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	4	0.35
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	4	0.35
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	4	0.35
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	4	0.35
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	9	0.35
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	9	0.35
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	9	0.35
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	9	0.35
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	9	0.35
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	9	0.35
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	18	0.35
(1,2332)	1:171:A:ASN:HB2	1:174:A:ASN:H	16	0.35
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	6	0.35
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	1	0.35
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	12	0.35
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	12	0.35
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	13	0.35
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	13	0.35
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	3	0.35
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	3	0.35
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	3	0.35
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG21	17	0.35
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG22	17	0.35
(1,1170)	1:200:A:GLU:HG2	1:203:A:VAL:HG23	17	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	5	0.35
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	6	0.35
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	9	0.35
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	12	0.35
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	12	0.35
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	12	0.35
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	12	0.35
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	12	0.35
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	12	0.35
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	12	0.35
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	12	0.35
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	12	0.35
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE1	13	0.35
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE2	13	0.35
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE3	13	0.35
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE1	3	0.35
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE2	3	0.35
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE3	3	0.35
(1,597)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	6	0.35
(1,597)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	6	0.35
(1,597)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	6	0.35
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	9	0.35
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	9	0.35
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	9	0.35
(1,490)	1:137:A:PRO:HD3	1:209:A:VAL:HA	17	0.35
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	16	0.35
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	16	0.35
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	16	0.35
(1,379)	1:136:A:ARG:HD3	1:154:A:MET:HG2	3	0.35
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	3	0.35
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	8	0.35
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	8	0.35
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	8	0.35
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	17	0.35
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	4	0.35
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	4	0.35
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	4	0.35
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	4	0.35
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	4	0.35
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	4	0.35
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	4	0.35
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	4	0.35

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	4	0.35
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	11	0.35
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	11	0.35
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	11	0.35
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	3	0.35
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	3	0.35
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	3	0.35
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	14	0.35
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	14	0.35
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	14	0.35
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	5	0.34
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	5	0.34
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	5	0.34
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	5	0.34
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	5	0.34
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	5	0.34
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	4	0.34
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	16	0.34
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	10	0.34
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	10	0.34
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	10	0.34
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	10	0.34
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	10	0.34
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	10	0.34
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	2	0.34
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	2	0.34
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	7	0.34
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	13	0.34
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	3	0.34
(1,5777)	1:132:A:SER:H	1:217:A:GLN:HE21	17	0.34
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	8	0.34
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	8	0.34
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	12	0.34
(1,5550)	1:183:A:THR:H	1:184:A:ILE:HG13	8	0.34
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	12	0.34
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	12	0.34
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	12	0.34
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	18	0.34
(1,4961)	1:212:A:GLN:HB3	1:213:A:MET:HG2	2	0.34
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	15	0.34
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	15	0.34
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	15	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4941)	1:164:A:ARG:HE	1:165:A:PRO:HG3	5	0.34
(1,4869)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	20	0.34
(1,4869)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	20	0.34
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	6	0.34
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	18	0.34
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	18	0.34
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	18	0.34
(1,4318)	1:148:A:ARG:HA	1:152:A:GLU:HG2	14	0.34
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	7	0.34
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	19	0.34
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	13	0.34
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	8	0.34
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	8	0.34
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	8	0.34
(1,3427)	1:130:A:LEU:HD11	1:131:A:GLY:HA2	4	0.34
(1,3427)	1:130:A:LEU:HD12	1:131:A:GLY:HA2	4	0.34
(1,3427)	1:130:A:LEU:HD13	1:131:A:GLY:HA2	4	0.34
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	6	0.34
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	6	0.34
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	6	0.34
(1,3290)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	4	0.34
(1,3290)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	4	0.34
(1,3290)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	4	0.34
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	13	0.34
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	13	0.34
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	13	0.34
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	5	0.34
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	5	0.34
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	5	0.34
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	5	0.34
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	5	0.34
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	5	0.34
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	4	0.34
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	16	0.34
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	10	0.34
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	10	0.34
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	10	0.34
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	10	0.34
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	10	0.34
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	10	0.34
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	2	0.34
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	2	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	7	0.34
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	13	0.34
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	3	0.34
(1,2608)	1:132:A:SER:H	1:217:A:GLN:HE21	17	0.34
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	8	0.34
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	8	0.34
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	12	0.34
(1,2381)	1:183:A:THR:H	1:184:A:ILE:HG13	8	0.34
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	12	0.34
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	12	0.34
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	12	0.34
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	18	0.34
(1,1792)	1:212:A:GLN:HB3	1:213:A:MET:HG2	2	0.34
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	15	0.34
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	15	0.34
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	15	0.34
(1,1772)	1:164:A:ARG:HE	1:165:A:PRO:HG3	5	0.34
(1,1700)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	20	0.34
(1,1700)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	20	0.34
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	6	0.34
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	18	0.34
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	18	0.34
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	18	0.34
(1,1149)	1:148:A:ARG:HA	1:152:A:GLU:HG2	14	0.34
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	7	0.34
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	19	0.34
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	13	0.34
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	8	0.34
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	8	0.34
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	8	0.34
(1,258)	1:130:A:LEU:HD11	1:131:A:GLY:HA2	4	0.34
(1,258)	1:130:A:LEU:HD12	1:131:A:GLY:HA2	4	0.34
(1,258)	1:130:A:LEU:HD13	1:131:A:GLY:HA2	4	0.34
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	6	0.34
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	6	0.34
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	6	0.34
(1,121)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	4	0.34
(1,121)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	4	0.34
(1,121)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	4	0.34
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	13	0.34
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	13	0.34
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	13	0.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6336)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	9	0.33
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	18	0.33
(1,6155)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	1	0.33
(1,6155)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	12	0.33
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	5	0.33
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	5	0.33
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	5	0.33
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	5	0.33
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	5	0.33
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	5	0.33
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	8	0.33
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	8	0.33
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	8	0.33
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	13	0.33
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	1	0.33
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	1	0.33
(1,5777)	1:132:A:SER:H	1:217:A:GLN:HE21	1	0.33
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	12	0.33
(1,5689)	1:212:A:GLN:H	1:213:A:MET:HG2	16	0.33
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	7	0.33
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	8	0.33
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	8	0.33
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	8	0.33
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	10	0.33
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	13	0.33
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	1	0.33
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	5	0.33
(1,5031)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	5	0.33
(1,5031)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	16	0.33
(1,5031)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	19	0.33
(1,4900)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	13	0.33
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	3	0.33
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	19	0.33
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	1	0.33
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	1	0.33
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	1	0.33
(1,4540)	1:159:A:ASN:HB3	1:160:A:GLN:HG2	20	0.33
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	1	0.33
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	9	0.33
(1,4318)	1:148:A:ARG:HA	1:152:A:GLU:HG2	17	0.33
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	15	0.33
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	20	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	7	0.33
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	10	0.33
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	16	0.33
(1,3850)	1:132:A:SER:HB2	1:133:A:ALA:H	14	0.33
(1,3766)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	8	0.33
(1,3766)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	8	0.33
(1,3766)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	8	0.33
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	13	0.33
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	13	0.33
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	13	0.33
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	16	0.33
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	18	0.33
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	6	0.33
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	14	0.33
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	14	0.33
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	14	0.33
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	14	0.33
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	14	0.33
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	14	0.33
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	14	0.33
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	14	0.33
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	14	0.33
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	3	0.33
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	3	0.33
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	3	0.33
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	3	0.33
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	3	0.33
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	3	0.33
(1,3167)	1:173:A:ASN:HB2	1:177:A:HIS:HE1	9	0.33
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	18	0.33
(1,2986)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	1	0.33
(1,2986)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	12	0.33
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	5	0.33
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	5	0.33
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	5	0.33
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	5	0.33
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	5	0.33
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	5	0.33
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	8	0.33
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	8	0.33
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	8	0.33
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	13	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	1	0.33
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	1	0.33
(1,2608)	1:132:A:SER:H	1:217:A:GLN:HE21	1	0.33
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	12	0.33
(1,2520)	1:212:A:GLN:H	1:213:A:MET:HG2	16	0.33
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	7	0.33
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	8	0.33
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	8	0.33
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	8	0.33
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	10	0.33
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	13	0.33
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	1	0.33
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	5	0.33
(1,1862)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	5	0.33
(1,1862)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	16	0.33
(1,1862)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	19	0.33
(1,1731)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	13	0.33
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	3	0.33
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	19	0.33
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	1	0.33
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	1	0.33
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	1	0.33
(1,1371)	1:159:A:ASN:HB3	1:160:A:GLN:HG2	20	0.33
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	1	0.33
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	9	0.33
(1,1149)	1:148:A:ARG:HA	1:152:A:GLU:HG2	17	0.33
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	15	0.33
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	20	0.33
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	7	0.33
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	10	0.33
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	16	0.33
(1,681)	1:132:A:SER:HB2	1:133:A:ALA:H	14	0.33
(1,597)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	8	0.33
(1,597)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	8	0.33
(1,597)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	8	0.33
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	13	0.33
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	13	0.33
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	13	0.33
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	16	0.33
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	18	0.33
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	6	0.33
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	14	0.33

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	14	0.33
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	14	0.33
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	14	0.33
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	14	0.33
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	14	0.33
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	14	0.33
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	14	0.33
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	14	0.33
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	3	0.33
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	3	0.33
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	3	0.33
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	3	0.33
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	3	0.33
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	3	0.33
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	2	0.32
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	8	0.32
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	15	0.32
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	20	0.32
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	1	0.32
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	1	0.32
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	12	0.32
(1,5868)	1:161:A:VAL:HG21	1:163:A:TYR:H	15	0.32
(1,5868)	1:161:A:VAL:HG22	1:163:A:TYR:H	15	0.32
(1,5868)	1:161:A:VAL:HG23	1:163:A:TYR:H	15	0.32
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	14	0.32
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	15	0.32
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	1	0.32
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	10	0.32
(1,5672)	1:135:A:SER:H	1:135:A:SER:HB3	13	0.32
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	2	0.32
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	20	0.32
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	2	0.32
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	7	0.32
(1,5330)	1:171:A:ASN:HB3	1:172:A:GLN:H	17	0.32
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	12	0.32
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	17	0.32
(1,5031)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	2	0.32
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	13	0.32
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	11	0.32
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	2	0.32
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	7	0.32
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	7	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	7	0.32
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	7	0.32
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	7	0.32
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	7	0.32
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG21	9	0.32
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG22	9	0.32
(1,4579)	1:206:A:MET:HB2	1:209:A:VAL:HG23	9	0.32
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG21	9	0.32
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG22	9	0.32
(1,4579)	1:206:A:MET:HB3	1:209:A:VAL:HG23	9	0.32
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	20	0.32
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	20	0.32
(1,4492)	1:130:A:LEU:HG	1:160:A:GLN:HG2	9	0.32
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	16	0.32
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG11	9	0.32
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG12	9	0.32
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG13	9	0.32
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG11	20	0.32
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG12	20	0.32
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG13	20	0.32
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE1	7	0.32
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE2	7	0.32
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE3	7	0.32
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	1	0.32
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	13	0.32
(1,3730)	1:179:A:CYS:HB2	1:214:A:CYS:HB3	14	0.32
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	1	0.32
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	1	0.32
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	1	0.32
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	5	0.32
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	5	0.32
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	5	0.32
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	1	0.32
(1,3290)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	13	0.32
(1,3290)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	13	0.32
(1,3290)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	13	0.32
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	14	0.32
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	14	0.32
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	14	0.32
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	6	0.32
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	6	0.32
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	6	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	2	0.32
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	8	0.32
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	15	0.32
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	20	0.32
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	1	0.32
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	1	0.32
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	12	0.32
(1,2699)	1:161:A:VAL:HG21	1:163:A:TYR:H	15	0.32
(1,2699)	1:161:A:VAL:HG22	1:163:A:TYR:H	15	0.32
(1,2699)	1:161:A:VAL:HG23	1:163:A:TYR:H	15	0.32
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	14	0.32
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	15	0.32
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	1	0.32
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	10	0.32
(1,2503)	1:135:A:SER:H	1:135:A:SER:HB3	13	0.32
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	2	0.32
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	20	0.32
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	2	0.32
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	7	0.32
(1,2161)	1:171:A:ASN:HB3	1:172:A:GLN:H	17	0.32
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	12	0.32
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	17	0.32
(1,1862)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	2	0.32
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	13	0.32
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	11	0.32
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	2	0.32
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	7	0.32
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	7	0.32
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	7	0.32
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	7	0.32
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	7	0.32
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	7	0.32
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG21	9	0.32
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG22	9	0.32
(1,1410)	1:206:A:MET:HB2	1:209:A:VAL:HG23	9	0.32
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG21	9	0.32
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG22	9	0.32
(1,1410)	1:206:A:MET:HB3	1:209:A:VAL:HG23	9	0.32
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	20	0.32
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	20	0.32
(1,1323)	1:130:A:LEU:HG	1:160:A:GLN:HG2	9	0.32
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	16	0.32

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG11	9	0.32
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG12	9	0.32
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG13	9	0.32
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG11	20	0.32
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG12	20	0.32
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG13	20	0.32
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE1	7	0.32
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE2	7	0.32
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE3	7	0.32
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	1	0.32
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	13	0.32
(1,561)	1:179:A:CYS:HB2	1:214:A:CYS:HB3	14	0.32
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	1	0.32
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	1	0.32
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	1	0.32
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	5	0.32
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	5	0.32
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	5	0.32
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	1	0.32
(1,121)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	13	0.32
(1,121)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	13	0.32
(1,121)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	13	0.32
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	14	0.32
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	14	0.32
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	14	0.32
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	6	0.32
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	6	0.32
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	6	0.32
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	7	0.31
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	7	0.31
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	1	0.31
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	14	0.31
(1,5937)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	5	0.31
(1,5937)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	5	0.31
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	1	0.31
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	3	0.31
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	3	0.31
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	3	0.31
(1,5778)	1:132:A:SER:H	1:132:A:SER:HB2	10	0.31
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	17	0.31
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	20	0.31
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	6	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	6	0.31
(1,4967)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	9	0.31
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	6	0.31
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	6	0.31
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	6	0.31
(1,4900)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	10	0.31
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	19	0.31
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	19	0.31
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	19	0.31
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	20	0.31
(1,4754)	1:130:A:LEU:HD11	1:160:A:GLN:HA	4	0.31
(1,4754)	1:130:A:LEU:HD12	1:160:A:GLN:HA	4	0.31
(1,4754)	1:130:A:LEU:HD13	1:160:A:GLN:HA	4	0.31
(1,4636)	1:161:A:VAL:HG11	1:213:A:MET:HG3	18	0.31
(1,4636)	1:161:A:VAL:HG12	1:213:A:MET:HG3	18	0.31
(1,4636)	1:161:A:VAL:HG13	1:213:A:MET:HG3	18	0.31
(1,4604)	1:174:A:ASN:HA	1:177:A:HIS:HB3	18	0.31
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	5	0.31
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	4	0.31
(1,4244)	1:139:A:ILE:HA	1:140:A:HIS:HB3	15	0.31
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	11	0.31
(1,4169)	1:214:A:CYS:HA	1:217:A:GLN:HB3	12	0.31
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE1	5	0.31
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE2	5	0.31
(1,3997)	1:134:A:MET:HG2	1:213:A:MET:HE3	5	0.31
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	8	0.31
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG11	2	0.31
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG12	2	0.31
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG13	2	0.31
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG11	2	0.31
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG12	2	0.31
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG13	2	0.31
(1,3766)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	19	0.31
(1,3766)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	19	0.31
(1,3766)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	19	0.31
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	5	0.31
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	17	0.31
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	17	0.31
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	17	0.31
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	10	0.31
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	10	0.31
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	10	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	5	0.31
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	1	0.31
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	1	0.31
(1,3283)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	1	0.31
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	14	0.31
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	14	0.31
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	14	0.31
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	7	0.31
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	7	0.31
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	1	0.31
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	14	0.31
(1,2768)	1:163:A:TYR:HD1	1:165:A:PRO:HD2	5	0.31
(1,2768)	1:163:A:TYR:HD2	1:165:A:PRO:HD2	5	0.31
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	1	0.31
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	3	0.31
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	3	0.31
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	3	0.31
(1,2609)	1:132:A:SER:H	1:132:A:SER:HB2	10	0.31
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	17	0.31
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	20	0.31
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	6	0.31
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	6	0.31
(1,1798)	1:148:A:ARG:HG2	1:152:A:GLU:HG2	9	0.31
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	6	0.31
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	6	0.31
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	6	0.31
(1,1731)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	10	0.31
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	19	0.31
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	19	0.31
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	19	0.31
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	20	0.31
(1,1585)	1:130:A:LEU:HD11	1:160:A:GLN:HA	4	0.31
(1,1585)	1:130:A:LEU:HD12	1:160:A:GLN:HA	4	0.31
(1,1585)	1:130:A:LEU:HD13	1:160:A:GLN:HA	4	0.31
(1,1467)	1:161:A:VAL:HG11	1:213:A:MET:HG3	18	0.31
(1,1467)	1:161:A:VAL:HG12	1:213:A:MET:HG3	18	0.31
(1,1467)	1:161:A:VAL:HG13	1:213:A:MET:HG3	18	0.31
(1,1435)	1:174:A:ASN:HA	1:177:A:HIS:HB3	18	0.31
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	5	0.31
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	4	0.31
(1,1075)	1:139:A:ILE:HA	1:140:A:HIS:HB3	15	0.31
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	11	0.31

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1000)	1:214:A:CYS:HA	1:217:A:GLN:HB3	12	0.31
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE1	5	0.31
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE2	5	0.31
(1,828)	1:134:A:MET:HG2	1:213:A:MET:HE3	5	0.31
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	8	0.31
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG11	2	0.31
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG12	2	0.31
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG13	2	0.31
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG11	2	0.31
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG12	2	0.31
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG13	2	0.31
(1,597)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	19	0.31
(1,597)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	19	0.31
(1,597)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	19	0.31
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	5	0.31
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	17	0.31
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	17	0.31
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	17	0.31
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	10	0.31
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	10	0.31
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	10	0.31
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	5	0.31
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG11	1	0.31
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG12	1	0.31
(1,114)	1:131:A:GLY:HA2	1:161:A:VAL:HG13	1	0.31
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	14	0.31
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	14	0.31
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	14	0.31
(1,6169)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	17	0.3
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	6	0.3
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	6	0.3
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	14	0.3
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	14	0.3
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	7	0.3
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	12	0.3
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	12	0.3
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	14	0.3
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	19	0.3
(1,5330)	1:171:A:ASN:HB3	1:172:A:GLN:H	16	0.3
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	11	0.3
(1,5031)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	20	0.3
(1,5028)	1:230:A:ARG:HB2	1:230:A:ARG:HG2	8	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4935)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	2	0.3
(1,4935)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	2	0.3
(1,4935)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	2	0.3
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	11	0.3
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	12	0.3
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	2	0.3
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	2	0.3
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	2	0.3
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	11	0.3
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	11	0.3
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	11	0.3
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	7	0.3
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	7	0.3
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	7	0.3
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	1	0.3
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	1	0.3
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	3	0.3
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	1	0.3
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	1	0.3
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	6	0.3
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	6	0.3
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	2	0.3
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	10	0.3
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	2	0.3
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	2	0.3
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	2	0.3
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	16	0.3
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	16	0.3
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	16	0.3
(1,4023)	1:221:A:GLU:HB3	1:222:A:SER:HB2	13	0.3
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	17	0.3
(1,3809)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	10	0.3
(1,3809)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	10	0.3
(1,3809)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	10	0.3
(1,3766)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	14	0.3
(1,3766)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	14	0.3
(1,3766)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	14	0.3
(1,3666)	1:208:A:ARG:HD2	1:209:A:VAL:H	12	0.3
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	6	0.3
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	16	0.3
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	16	0.3
(1,3379)	1:194:A:LYS:HB3	1:195:A:GLY:HA2	17	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	3	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	6	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	6	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	6	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	6	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	6	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	6	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	6	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	6	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	6	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	13	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	13	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	13	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	13	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	13	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	13	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	13	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	13	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	13	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	15	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	15	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	15	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	15	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	15	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	15	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	15	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	15	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	15	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	19	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	19	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	19	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	19	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	19	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	19	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	19	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	19	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	19	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	20	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	20	0.3
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	20	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	20	0.3
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	20	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	20	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	20	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	20	0.3
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	20	0.3
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	5	0.3
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	5	0.3
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	5	0.3
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	13	0.3
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	13	0.3
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	13	0.3
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	3	0.3
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	3	0.3
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	3	0.3
(1,3000)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	17	0.3
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	6	0.3
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	6	0.3
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	14	0.3
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	14	0.3
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	7	0.3
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	12	0.3
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	12	0.3
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	14	0.3
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	19	0.3
(1,2161)	1:171:A:ASN:HB3	1:172:A:GLN:H	16	0.3
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	11	0.3
(1,1862)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	20	0.3
(1,1859)	1:230:A:ARG:HB2	1:230:A:ARG:HG2	8	0.3
(1,1766)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	2	0.3
(1,1766)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	2	0.3
(1,1766)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	2	0.3
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	11	0.3
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	12	0.3
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	2	0.3
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	2	0.3
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	2	0.3
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	11	0.3
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	11	0.3
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	11	0.3
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	7	0.3
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	7	0.3
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	7	0.3
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	1	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	1	0.3
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	3	0.3
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	1	0.3
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	1	0.3
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	6	0.3
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	6	0.3
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	2	0.3
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	10	0.3
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	2	0.3
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	2	0.3
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	2	0.3
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	16	0.3
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	16	0.3
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	16	0.3
(1,854)	1:221:A:GLU:HB3	1:222:A:SER:HB2	13	0.3
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	17	0.3
(1,640)	1:161:A:VAL:HG21	1:217:A:GLN:HG2	10	0.3
(1,640)	1:161:A:VAL:HG22	1:217:A:GLN:HG2	10	0.3
(1,640)	1:161:A:VAL:HG23	1:217:A:GLN:HG2	10	0.3
(1,597)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	14	0.3
(1,597)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	14	0.3
(1,597)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	14	0.3
(1,497)	1:208:A:ARG:HD2	1:209:A:VAL:H	12	0.3
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	6	0.3
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	16	0.3
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	16	0.3
(1,210)	1:194:A:LYS:HB3	1:195:A:GLY:HA2	17	0.3
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	3	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	6	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	6	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	6	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	6	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	6	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	6	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	6	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	6	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	6	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	13	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	13	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	13	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	13	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	13	0.3

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	13	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	13	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	13	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	13	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	15	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	15	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	15	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	15	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	15	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	15	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	15	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	15	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	15	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	19	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	19	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	19	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	19	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	19	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	19	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	19	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	19	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	19	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	20	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	20	0.3
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	20	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	20	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	20	0.3
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	20	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	20	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	20	0.3
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	20	0.3
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	5	0.3
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	5	0.3
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	5	0.3
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	13	0.3
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	13	0.3
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	13	0.3
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	3	0.3
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	3	0.3
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	3	0.3
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	19	0.29
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	19	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	19	0.29
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	19	0.29
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	19	0.29
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	19	0.29
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	3	0.29
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	11	0.29
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	6	0.29
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	6	0.29
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	6	0.29
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	6	0.29
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	6	0.29
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	6	0.29
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	17	0.29
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	17	0.29
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	17	0.29
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	3	0.29
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	20	0.29
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	12	0.29
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	15	0.29
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	10	0.29
(1,5444)	1:166:A:VAL:H	1:221:A:GLU:HG2	5	0.29
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	2	0.29
(1,5103)	1:135:A:SER:HB2	1:136:A:ARG:H	16	0.29
(1,4975)	1:137:A:PRO:HD3	1:209:A:VAL:HG21	2	0.29
(1,4975)	1:137:A:PRO:HD3	1:209:A:VAL:HG22	2	0.29
(1,4975)	1:137:A:PRO:HD3	1:209:A:VAL:HG23	2	0.29
(1,4975)	1:137:A:PRO:HD3	1:209:A:VAL:HG21	11	0.29
(1,4975)	1:137:A:PRO:HD3	1:209:A:VAL:HG22	11	0.29
(1,4975)	1:137:A:PRO:HD3	1:209:A:VAL:HG23	11	0.29
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	4	0.29
(1,4907)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	2	0.29
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	1	0.29
(1,4863)	1:136:A:ARG:HG2	1:137:A:PRO:HD3	17	0.29
(1,4716)	1:138:A:MET:HG3	1:139:A:ILE:H	19	0.29
(1,4703)	1:138:A:MET:HG2	1:140:A:HIS:HE1	7	0.29
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	18	0.29
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	18	0.29
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	5	0.29
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	5	0.29
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	5	0.29
(1,4492)	1:130:A:LEU:HG	1:160:A:GLN:HG2	6	0.29
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	10	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	8	0.29
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG11	14	0.29
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG12	14	0.29
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG13	14	0.29
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	8	0.29
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	10	0.29
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	12	0.29
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	1	0.29
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	11	0.29
(1,3798)	1:131:A:GLY:H	1:161:A:VAL:HG21	15	0.29
(1,3798)	1:131:A:GLY:H	1:161:A:VAL:HG22	15	0.29
(1,3798)	1:131:A:GLY:H	1:161:A:VAL:HG23	15	0.29
(1,3730)	1:179:A:CYS:HB2	1:214:A:CYS:HB3	1	0.29
(1,3617)	1:148:A:ARG:HD2	1:151:A:ARG:HD2	20	0.29
(1,3617)	1:148:A:ARG:HD3	1:151:A:ARG:HD2	20	0.29
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	7	0.29
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	7	0.29
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	7	0.29
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	19	0.29
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	5	0.29
(1,3431)	1:130:A:LEU:HD11	1:162:A:TYR:HA	1	0.29
(1,3431)	1:130:A:LEU:HD12	1:162:A:TYR:HA	1	0.29
(1,3431)	1:130:A:LEU:HD13	1:162:A:TYR:HA	1	0.29
(1,3431)	1:130:A:LEU:HD11	1:162:A:TYR:HA	4	0.29
(1,3431)	1:130:A:LEU:HD12	1:162:A:TYR:HA	4	0.29
(1,3431)	1:130:A:LEU:HD13	1:162:A:TYR:HA	4	0.29
(1,3415)	1:216:A:THR:HG21	1:220:A:LYS:HB3	20	0.29
(1,3415)	1:216:A:THR:HG22	1:220:A:LYS:HB3	20	0.29
(1,3415)	1:216:A:THR:HG23	1:220:A:LYS:HB3	20	0.29
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	17	0.29
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	17	0.29
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	17	0.29
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	12	0.29
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	2	0.29
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	19	0.29
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	19	0.29
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	19	0.29
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	19	0.29
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	19	0.29
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	19	0.29
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	19	0.29
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	19	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	19	0.29
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	19	0.29
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	19	0.29
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	19	0.29
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	10	0.29
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	10	0.29
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	10	0.29
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	10	0.29
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	10	0.29
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	10	0.29
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	10	0.29
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	10	0.29
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	10	0.29
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	20	0.29
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	20	0.29
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	20	0.29
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	19	0.29
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	19	0.29
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	19	0.29
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	19	0.29
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	19	0.29
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	19	0.29
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	3	0.29
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	11	0.29
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	6	0.29
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	6	0.29
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	6	0.29
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	6	0.29
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	6	0.29
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	6	0.29
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	17	0.29
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	17	0.29
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	17	0.29
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	3	0.29
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	20	0.29
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	12	0.29
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	15	0.29
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	10	0.29
(1,2275)	1:166:A:VAL:H	1:221:A:GLU:HG2	5	0.29
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	2	0.29
(1,1934)	1:135:A:SER:HB2	1:136:A:ARG:H	16	0.29
(1,1806)	1:137:A:PRO:HD3	1:209:A:VAL:HG21	2	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1806)	1:137:A:PRO:HD3	1:209:A:VAL:HG22	2	0.29
(1,1806)	1:137:A:PRO:HD3	1:209:A:VAL:HG23	2	0.29
(1,1806)	1:137:A:PRO:HD3	1:209:A:VAL:HG21	11	0.29
(1,1806)	1:137:A:PRO:HD3	1:209:A:VAL:HG22	11	0.29
(1,1806)	1:137:A:PRO:HD3	1:209:A:VAL:HG23	11	0.29
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	4	0.29
(1,1738)	1:208:A:ARG:HD2	1:211:A:GLU:HB3	2	0.29
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	1	0.29
(1,1694)	1:136:A:ARG:HG2	1:137:A:PRO:HD3	17	0.29
(1,1547)	1:138:A:MET:HG3	1:139:A:ILE:H	19	0.29
(1,1534)	1:138:A:MET:HG2	1:140:A:HIS:HE1	7	0.29
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	18	0.29
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	18	0.29
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	5	0.29
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	5	0.29
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	5	0.29
(1,1323)	1:130:A:LEU:HG	1:160:A:GLN:HG2	6	0.29
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	10	0.29
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	8	0.29
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG11	14	0.29
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG12	14	0.29
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG13	14	0.29
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	8	0.29
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	10	0.29
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	12	0.29
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	1	0.29
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	11	0.29
(1,629)	1:131:A:GLY:H	1:161:A:VAL:HG21	15	0.29
(1,629)	1:131:A:GLY:H	1:161:A:VAL:HG22	15	0.29
(1,629)	1:131:A:GLY:H	1:161:A:VAL:HG23	15	0.29
(1,561)	1:179:A:CYS:HB2	1:214:A:CYS:HB3	1	0.29
(1,448)	1:148:A:ARG:HD2	1:151:A:ARG:HD2	20	0.29
(1,448)	1:148:A:ARG:HD3	1:151:A:ARG:HD2	20	0.29
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	7	0.29
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	7	0.29
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	7	0.29
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	19	0.29
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	5	0.29
(1,262)	1:130:A:LEU:HD11	1:162:A:TYR:HA	1	0.29
(1,262)	1:130:A:LEU:HD12	1:162:A:TYR:HA	1	0.29
(1,262)	1:130:A:LEU:HD13	1:162:A:TYR:HA	1	0.29
(1,262)	1:130:A:LEU:HD11	1:162:A:TYR:HA	4	0.29

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,262)	1:130:A:LEU:HD12	1:162:A:TYR:HA	4	0.29
(1,262)	1:130:A:LEU:HD13	1:162:A:TYR:HA	4	0.29
(1,246)	1:216:A:THR:HG21	1:220:A:LYS:HB3	20	0.29
(1,246)	1:216:A:THR:HG22	1:220:A:LYS:HB3	20	0.29
(1,246)	1:216:A:THR:HG23	1:220:A:LYS:HB3	20	0.29
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	17	0.29
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	17	0.29
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	17	0.29
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	12	0.29
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	2	0.29
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	19	0.29
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	19	0.29
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	19	0.29
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	19	0.29
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	19	0.29
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	19	0.29
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	19	0.29
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	19	0.29
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	19	0.29
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	19	0.29
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	19	0.29
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	19	0.29
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	10	0.29
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	10	0.29
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	10	0.29
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	10	0.29
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	10	0.29
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	10	0.29
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	10	0.29
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	10	0.29
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	10	0.29
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	20	0.29
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	20	0.29
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	20	0.29
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	12	0.28
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	12	0.28
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	2	0.28
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	2	0.28
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	8	0.28
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	13	0.28
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	13	0.28
(1,5686)	1:210:A:VAL:HG11	1:212:A:GLN:H	1	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5686)	1:210:A:VAL:HG12	1:212:A:GLN:H	1	0.28
(1,5686)	1:210:A:VAL:HG13	1:212:A:GLN:H	1	0.28
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	9	0.28
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	10	0.28
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	8	0.28
(1,5237)	1:129:A:MET:H	1:165:A:PRO:HD2	15	0.28
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	8	0.28
(1,5103)	1:135:A:SER:HB2	1:136:A:ARG:H	15	0.28
(1,5103)	1:135:A:SER:HB2	1:136:A:ARG:H	20	0.28
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	11	0.28
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	9	0.28
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	2	0.28
(1,4843)	1:183:A:THR:HG21	1:184:A:ILE:HG13	9	0.28
(1,4843)	1:183:A:THR:HG22	1:184:A:ILE:HG13	9	0.28
(1,4843)	1:183:A:THR:HG23	1:184:A:ILE:HG13	9	0.28
(1,4843)	1:183:A:THR:HG21	1:184:A:ILE:HG13	20	0.28
(1,4843)	1:183:A:THR:HG22	1:184:A:ILE:HG13	20	0.28
(1,4843)	1:183:A:THR:HG23	1:184:A:ILE:HG13	20	0.28
(1,4752)	1:134:A:MET:HG3	1:160:A:GLN:HA	16	0.28
(1,4752)	1:134:A:MET:HG3	1:160:A:GLN:HA	20	0.28
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	9	0.28
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	9	0.28
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	9	0.28
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	14	0.28
(1,4492)	1:130:A:LEU:HG	1:160:A:GLN:HG2	5	0.28
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD11	14	0.28
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD12	14	0.28
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD13	14	0.28
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	5	0.28
(1,4423)	1:157:A:TYR:HB2	1:210:A:VAL:HG21	12	0.28
(1,4423)	1:157:A:TYR:HB2	1:210:A:VAL:HG22	12	0.28
(1,4423)	1:157:A:TYR:HB2	1:210:A:VAL:HG23	12	0.28
(1,4423)	1:157:A:TYR:HB3	1:210:A:VAL:HG21	12	0.28
(1,4423)	1:157:A:TYR:HB3	1:210:A:VAL:HG22	12	0.28
(1,4423)	1:157:A:TYR:HB3	1:210:A:VAL:HG23	12	0.28
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	10	0.28
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	3	0.28
(1,4021)	1:219:A:GLN:HA	1:222:A:SER:HB2	13	0.28
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	13	0.28
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	15	0.28
(1,3930)	1:169:A:TYR:HE1	1:171:A:ASN:HB2	17	0.28
(1,3930)	1:169:A:TYR:HE2	1:171:A:ASN:HB2	17	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG21	12	0.28
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG22	12	0.28
(1,3570)	1:206:A:MET:HG2	1:209:A:VAL:HG23	12	0.28
(1,3566)	1:209:A:VAL:HG21	1:210:A:VAL:H	4	0.28
(1,3566)	1:209:A:VAL:HG22	1:210:A:VAL:H	4	0.28
(1,3566)	1:209:A:VAL:HG23	1:210:A:VAL:H	4	0.28
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	14	0.28
(1,3405)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	13	0.28
(1,3405)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	13	0.28
(1,3405)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	13	0.28
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	17	0.28
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	17	0.28
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	17	0.28
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	12	0.28
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	12	0.28
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	2	0.28
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	2	0.28
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	8	0.28
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	13	0.28
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	13	0.28
(1,2517)	1:210:A:VAL:HG11	1:212:A:GLN:H	1	0.28
(1,2517)	1:210:A:VAL:HG12	1:212:A:GLN:H	1	0.28
(1,2517)	1:210:A:VAL:HG13	1:212:A:GLN:H	1	0.28
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	9	0.28
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	10	0.28
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	8	0.28
(1,2068)	1:129:A:MET:H	1:165:A:PRO:HD2	15	0.28
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	8	0.28
(1,1934)	1:135:A:SER:HB2	1:136:A:ARG:H	15	0.28
(1,1934)	1:135:A:SER:HB2	1:136:A:ARG:H	20	0.28
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	11	0.28
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	9	0.28
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	2	0.28
(1,1674)	1:183:A:THR:HG21	1:184:A:ILE:HG13	9	0.28
(1,1674)	1:183:A:THR:HG22	1:184:A:ILE:HG13	9	0.28
(1,1674)	1:183:A:THR:HG23	1:184:A:ILE:HG13	9	0.28
(1,1674)	1:183:A:THR:HG21	1:184:A:ILE:HG13	20	0.28
(1,1674)	1:183:A:THR:HG22	1:184:A:ILE:HG13	20	0.28
(1,1674)	1:183:A:THR:HG23	1:184:A:ILE:HG13	20	0.28
(1,1583)	1:134:A:MET:HG3	1:160:A:GLN:HA	16	0.28
(1,1583)	1:134:A:MET:HG3	1:160:A:GLN:HA	20	0.28
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	9	0.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	9	0.28
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	9	0.28
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	14	0.28
(1,1323)	1:130:A:LEU:HG	1:160:A:GLN:HG2	5	0.28
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD11	14	0.28
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD12	14	0.28
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD13	14	0.28
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	5	0.28
(1,1254)	1:157:A:TYR:HB2	1:210:A:VAL:HG21	12	0.28
(1,1254)	1:157:A:TYR:HB2	1:210:A:VAL:HG22	12	0.28
(1,1254)	1:157:A:TYR:HB2	1:210:A:VAL:HG23	12	0.28
(1,1254)	1:157:A:TYR:HB3	1:210:A:VAL:HG21	12	0.28
(1,1254)	1:157:A:TYR:HB3	1:210:A:VAL:HG22	12	0.28
(1,1254)	1:157:A:TYR:HB3	1:210:A:VAL:HG23	12	0.28
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	10	0.28
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	3	0.28
(1,852)	1:219:A:GLN:HA	1:222:A:SER:HB2	13	0.28
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	13	0.28
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	15	0.28
(1,761)	1:169:A:TYR:HE1	1:171:A:ASN:HB2	17	0.28
(1,761)	1:169:A:TYR:HE2	1:171:A:ASN:HB2	17	0.28
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG21	12	0.28
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG22	12	0.28
(1,401)	1:206:A:MET:HG2	1:209:A:VAL:HG23	12	0.28
(1,397)	1:209:A:VAL:HG21	1:210:A:VAL:H	4	0.28
(1,397)	1:209:A:VAL:HG22	1:210:A:VAL:H	4	0.28
(1,397)	1:209:A:VAL:HG23	1:210:A:VAL:H	4	0.28
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	14	0.28
(1,236)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	13	0.28
(1,236)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	13	0.28
(1,236)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	13	0.28
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	17	0.28
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	17	0.28
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	17	0.28
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	6	0.27
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	6	0.27
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	6	0.27
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	6	0.27
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	6	0.27
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	6	0.27
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	16	0.27
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	16	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	16	0.27
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	16	0.27
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	16	0.27
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	16	0.27
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	10	0.27
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	7	0.27
(1,6155)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	15	0.27
(1,5963)	1:168:A:GLN:HB3	1:169:A:TYR:HD1	11	0.27
(1,5963)	1:168:A:GLN:HB3	1:169:A:TYR:HD2	11	0.27
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	10	0.27
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	14	0.27
(1,5777)	1:132:A:SER:H	1:217:A:GLN:HE21	10	0.27
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	20	0.27
(1,5686)	1:210:A:VAL:HG11	1:212:A:GLN:H	5	0.27
(1,5686)	1:210:A:VAL:HG12	1:212:A:GLN:H	5	0.27
(1,5686)	1:210:A:VAL:HG13	1:212:A:GLN:H	5	0.27
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	20	0.27
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	7	0.27
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	7	0.27
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	7	0.27
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	15	0.27
(1,5501)	1:171:A:ASN:HB2	1:174:A:ASN:H	17	0.27
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	8	0.27
(1,5444)	1:166:A:VAL:H	1:221:A:GLU:HG2	17	0.27
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	8	0.27
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	9	0.27
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	10	0.27
(1,5031)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	9	0.27
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	8	0.27
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	14	0.27
(1,4935)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	18	0.27
(1,4935)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	18	0.27
(1,4935)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	18	0.27
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	9	0.27
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	5	0.27
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	5	0.27
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	5	0.27
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	15	0.27
(1,4752)	1:134:A:MET:HG3	1:160:A:GLN:HA	8	0.27
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	3	0.27
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	3	0.27
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	15	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	3	0.27
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	15	0.27
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	15	0.27
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	15	0.27
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	19	0.27
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	19	0.27
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	19	0.27
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	18	0.27
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	2	0.27
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	1	0.27
(1,4021)	1:219:A:GLN:HA	1:222:A:SER:HB2	2	0.27
(1,4021)	1:219:A:GLN:HA	1:222:A:SER:HB2	8	0.27
(1,4021)	1:219:A:GLN:HA	1:222:A:SER:HB2	15	0.27
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	5	0.27
(1,3771)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	6	0.27
(1,3771)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	6	0.27
(1,3771)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	6	0.27
(1,3771)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	6	0.27
(1,3771)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	6	0.27
(1,3771)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	6	0.27
(1,3771)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	6	0.27
(1,3771)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	6	0.27
(1,3771)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	6	0.27
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	9	0.27
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	9	0.27
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	9	0.27
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	8	0.27
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	9	0.27
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	9	0.27
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	9	0.27
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	9	0.27
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	9	0.27
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	9	0.27
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	12	0.27
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	12	0.27
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	12	0.27
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	19	0.27
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	19	0.27
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	19	0.27
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	15	0.27
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	20	0.27
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	20	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	20	0.27
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	7	0.27
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	7	0.27
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	7	0.27
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	7	0.27
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	7	0.27
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	7	0.27
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	7	0.27
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	7	0.27
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	7	0.27
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	10	0.27
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	10	0.27
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	10	0.27
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	15	0.27
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	15	0.27
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	15	0.27
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	18	0.27
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	18	0.27
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	18	0.27
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	9	0.27
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	9	0.27
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	9	0.27
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	6	0.27
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	6	0.27
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	6	0.27
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	6	0.27
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	6	0.27
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	6	0.27
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	16	0.27
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	16	0.27
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	16	0.27
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	16	0.27
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	16	0.27
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	16	0.27
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	10	0.27
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	7	0.27
(1,2986)	1:141:A:PHE:HZ	1:208:A:ARG:HD3	15	0.27
(1,2794)	1:168:A:GLN:HB3	1:169:A:TYR:HD1	11	0.27
(1,2794)	1:168:A:GLN:HB3	1:169:A:TYR:HD2	11	0.27
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	10	0.27
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	14	0.27
(1,2608)	1:132:A:SER:H	1:217:A:GLN:HE21	10	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	20	0.27
(1,2517)	1:210:A:VAL:HG11	1:212:A:GLN:H	5	0.27
(1,2517)	1:210:A:VAL:HG12	1:212:A:GLN:H	5	0.27
(1,2517)	1:210:A:VAL:HG13	1:212:A:GLN:H	5	0.27
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	20	0.27
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	7	0.27
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	7	0.27
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	7	0.27
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	15	0.27
(1,2332)	1:171:A:ASN:HB2	1:174:A:ASN:H	17	0.27
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	8	0.27
(1,2275)	1:166:A:VAL:H	1:221:A:GLU:HG2	17	0.27
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	8	0.27
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	9	0.27
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	10	0.27
(1,1862)	1:230:A:ARG:HB2	1:230:A:ARG:HG3	9	0.27
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	8	0.27
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	14	0.27
(1,1766)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	18	0.27
(1,1766)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	18	0.27
(1,1766)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	18	0.27
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	9	0.27
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	5	0.27
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	5	0.27
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	5	0.27
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	15	0.27
(1,1583)	1:134:A:MET:HG3	1:160:A:GLN:HA	8	0.27
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	3	0.27
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	3	0.27
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	15	0.27
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	3	0.27
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	15	0.27
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	15	0.27
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	15	0.27
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	19	0.27
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	19	0.27
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	19	0.27
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	18	0.27
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	2	0.27
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	1	0.27
(1,852)	1:219:A:GLN:HA	1:222:A:SER:HB2	2	0.27
(1,852)	1:219:A:GLN:HA	1:222:A:SER:HB2	8	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,852)	1:219:A:GLN:HA	1:222:A:SER:HB2	15	0.27
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	5	0.27
(1,602)	1:130:A:LEU:HD11	1:161:A:VAL:HG21	6	0.27
(1,602)	1:130:A:LEU:HD11	1:161:A:VAL:HG22	6	0.27
(1,602)	1:130:A:LEU:HD11	1:161:A:VAL:HG23	6	0.27
(1,602)	1:130:A:LEU:HD12	1:161:A:VAL:HG21	6	0.27
(1,602)	1:130:A:LEU:HD12	1:161:A:VAL:HG22	6	0.27
(1,602)	1:130:A:LEU:HD12	1:161:A:VAL:HG23	6	0.27
(1,602)	1:130:A:LEU:HD13	1:161:A:VAL:HG21	6	0.27
(1,602)	1:130:A:LEU:HD13	1:161:A:VAL:HG22	6	0.27
(1,602)	1:130:A:LEU:HD13	1:161:A:VAL:HG23	6	0.27
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	9	0.27
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	9	0.27
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	9	0.27
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	8	0.27
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	9	0.27
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	9	0.27
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	9	0.27
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	9	0.27
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	9	0.27
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	9	0.27
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	12	0.27
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	12	0.27
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	12	0.27
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	19	0.27
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	19	0.27
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	19	0.27
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	15	0.27
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	20	0.27
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	20	0.27
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	20	0.27
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	7	0.27
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	7	0.27
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	7	0.27
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	7	0.27
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	7	0.27
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	7	0.27
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	7	0.27
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	7	0.27
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	7	0.27
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	10	0.27
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	10	0.27

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	10	0.27
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	15	0.27
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	15	0.27
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	15	0.27
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	18	0.27
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	18	0.27
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	18	0.27
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	9	0.27
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	9	0.27
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	9	0.27
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	9	0.26
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	9	0.26
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	9	0.26
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	9	0.26
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	9	0.26
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	9	0.26
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	12	0.26
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	10	0.26
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	19	0.26
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	19	0.26
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	4	0.26
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	20	0.26
(1,5892)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	2	0.26
(1,5892)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	2	0.26
(1,5892)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	2	0.26
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	6	0.26
(1,5851)	1:171:A:ASN:HD22	1:174:A:ASN:HD22	15	0.26
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	9	0.26
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	16	0.26
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	12	0.26
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	13	0.26
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	13	0.26
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	2	0.26
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	1	0.26
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	9	0.26
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	11	0.26
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	19	0.26
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	4	0.26
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	7	0.26
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	14	0.26
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	15	0.26
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	17	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	20	0.26
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	8	0.26
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	2	0.26
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	9	0.26
(1,4941)	1:164:A:ARG:HE	1:165:A:PRO:HG3	8	0.26
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	6	0.26
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	16	0.26
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	7	0.26
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	10	0.26
(1,4749)	1:212:A:GLN:HG2	1:215:A:VAL:HB	9	0.26
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	20	0.26
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	20	0.26
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	20	0.26
(1,4712)	1:136:A:ARG:HA	1:136:A:ARG:HG3	6	0.26
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG21	14	0.26
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG22	14	0.26
(1,4668)	1:209:A:VAL:HB	1:210:A:VAL:HG23	14	0.26
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	1	0.26
(1,4652)	1:184:A:ILE:HG21	1:206:A:MET:HG3	2	0.26
(1,4652)	1:184:A:ILE:HG22	1:206:A:MET:HG3	2	0.26
(1,4652)	1:184:A:ILE:HG23	1:206:A:MET:HG3	2	0.26
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	7	0.26
(1,4403)	1:196:A:GLU:H	1:196:A:GLU:HG3	13	0.26
(1,4293)	1:217:A:GLN:HA	1:221:A:GLU:HG3	3	0.26
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	14	0.26
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	3	0.26
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	19	0.26
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	17	0.26
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	17	0.26
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	17	0.26
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	15	0.26
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	6	0.26
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	19	0.26
(1,3841)	1:161:A:VAL:HG21	1:217:A:GLN:H	10	0.26
(1,3841)	1:161:A:VAL:HG22	1:217:A:GLN:H	10	0.26
(1,3841)	1:161:A:VAL:HG23	1:217:A:GLN:H	10	0.26
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	11	0.26
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	11	0.26
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	11	0.26
(1,3659)	1:137:A:PRO:HD3	1:209:A:VAL:HA	5	0.26
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	10	0.26
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	10	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	10	0.26
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	10	0.26
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	10	0.26
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	10	0.26
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	15	0.26
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	15	0.26
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	15	0.26
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	4	0.26
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	4	0.26
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	4	0.26
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	4	0.26
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	4	0.26
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	4	0.26
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	4	0.26
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	4	0.26
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	4	0.26
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	4	0.26
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	4	0.26
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	4	0.26
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	16	0.26
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	16	0.26
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	16	0.26
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	16	0.26
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	16	0.26
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	16	0.26
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	10	0.26
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	10	0.26
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	10	0.26
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	14	0.26
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	14	0.26
(1,3250)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	14	0.26
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	9	0.26
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	9	0.26
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	9	0.26
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	9	0.26
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	9	0.26
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	9	0.26
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	12	0.26
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	10	0.26
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	19	0.26
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	19	0.26
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	4	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	20	0.26
(1,2723)	1:122:A:VAL:HG11	1:186:A:GLN:HE21	2	0.26
(1,2723)	1:122:A:VAL:HG12	1:186:A:GLN:HE21	2	0.26
(1,2723)	1:122:A:VAL:HG13	1:186:A:GLN:HE21	2	0.26
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	6	0.26
(1,2682)	1:171:A:ASN:HD22	1:174:A:ASN:HD22	15	0.26
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	9	0.26
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	16	0.26
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	12	0.26
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	13	0.26
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	13	0.26
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	2	0.26
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	1	0.26
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	9	0.26
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	11	0.26
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	19	0.26
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	4	0.26
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	7	0.26
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	14	0.26
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	15	0.26
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	17	0.26
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	20	0.26
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	8	0.26
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	2	0.26
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	9	0.26
(1,1772)	1:164:A:ARG:HE	1:165:A:PRO:HG3	8	0.26
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	6	0.26
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	16	0.26
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	7	0.26
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	10	0.26
(1,1580)	1:212:A:GLN:HG2	1:215:A:VAL:HB	9	0.26
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	20	0.26
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	20	0.26
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	20	0.26
(1,1543)	1:136:A:ARG:HA	1:136:A:ARG:HG3	6	0.26
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG21	14	0.26
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG22	14	0.26
(1,1499)	1:209:A:VAL:HB	1:210:A:VAL:HG23	14	0.26
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	1	0.26
(1,1483)	1:184:A:ILE:HG21	1:206:A:MET:HG3	2	0.26
(1,1483)	1:184:A:ILE:HG22	1:206:A:MET:HG3	2	0.26
(1,1483)	1:184:A:ILE:HG23	1:206:A:MET:HG3	2	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	7	0.26
(1,1234)	1:196:A:GLU:H	1:196:A:GLU:HG3	13	0.26
(1,1124)	1:217:A:GLN:HA	1:221:A:GLU:HG3	3	0.26
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	14	0.26
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	3	0.26
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	19	0.26
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	17	0.26
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	17	0.26
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	17	0.26
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	15	0.26
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	6	0.26
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	19	0.26
(1,672)	1:161:A:VAL:HG21	1:217:A:GLN:H	10	0.26
(1,672)	1:161:A:VAL:HG22	1:217:A:GLN:H	10	0.26
(1,672)	1:161:A:VAL:HG23	1:217:A:GLN:H	10	0.26
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	11	0.26
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	11	0.26
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	11	0.26
(1,490)	1:137:A:PRO:HD3	1:209:A:VAL:HA	5	0.26
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	10	0.26
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	10	0.26
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	10	0.26
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	10	0.26
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	10	0.26
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	10	0.26
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	15	0.26
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	15	0.26
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	15	0.26
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	4	0.26
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	4	0.26
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	4	0.26
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	4	0.26
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	4	0.26
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	4	0.26
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	4	0.26
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	4	0.26
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	4	0.26
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	4	0.26
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	4	0.26
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	4	0.26
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	16	0.26
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	16	0.26

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	16	0.26
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	16	0.26
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	16	0.26
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	16	0.26
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	10	0.26
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	10	0.26
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	10	0.26
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG21	14	0.26
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG22	14	0.26
(1,81)	1:158:A:PRO:HD2	1:210:A:VAL:HG23	14	0.26
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	17	0.25
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	17	0.25
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	17	0.25
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	17	0.25
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	17	0.25
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	17	0.25
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	8	0.25
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	18	0.25
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	20	0.25
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	20	0.25
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	20	0.25
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	20	0.25
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	20	0.25
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	20	0.25
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	3	0.25
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	3	0.25
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	3	0.25
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	3	0.25
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	3	0.25
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	3	0.25
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	6	0.25
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	9	0.25
(1,5771)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	19	0.25
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	3	0.25
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	7	0.25
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	11	0.25
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	17	0.25
(1,5584)	1:217:A:GLN:HE22	1:221:A:GLU:H	15	0.25
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	9	0.25
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	13	0.25
(1,5163)	1:184:A:ILE:HG13	1:185:A:LYS:H	11	0.25
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	7	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	7	0.25
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	7	0.25
(1,4941)	1:164:A:ARG:HE	1:165:A:PRO:HG3	18	0.25
(1,4935)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	1	0.25
(1,4935)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	1	0.25
(1,4935)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	1	0.25
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	16	0.25
(1,4868)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	2	0.25
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	4	0.25
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	5	0.25
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	9	0.25
(1,4742)	1:133:A:ALA:HA	1:134:A:MET:HG3	1	0.25
(1,4742)	1:133:A:ALA:HA	1:134:A:MET:HG3	2	0.25
(1,4742)	1:133:A:ALA:HA	1:134:A:MET:HG3	11	0.25
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	14	0.25
(1,4613)	1:196:A:GLU:HA	1:196:A:GLU:HG3	5	0.25
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	18	0.25
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	2	0.25
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	4	0.25
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG11	7	0.25
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG12	7	0.25
(1,4431)	1:120:A:SER:HA	1:121:A:VAL:HG13	7	0.25
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG11	3	0.25
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG12	3	0.25
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG13	3	0.25
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	8	0.25
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	17	0.25
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	20	0.25
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	20	0.25
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	20	0.25
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG11	12	0.25
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG12	12	0.25
(1,3363)	1:199:A:THR:HA	1:203:A:VAL:HG13	12	0.25
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	9	0.25
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	9	0.25
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	9	0.25
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	8	0.25
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	6	0.25
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	6	0.25
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	6	0.25
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	19	0.25
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	19	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	19	0.25
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	12	0.25
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	12	0.25
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	12	0.25
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	12	0.25
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	12	0.25
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	12	0.25
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	12	0.25
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	12	0.25
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	12	0.25
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	7	0.25
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	7	0.25
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	7	0.25
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	17	0.25
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	17	0.25
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	17	0.25
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	17	0.25
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	17	0.25
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	17	0.25
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	8	0.25
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	18	0.25
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	20	0.25
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	20	0.25
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	20	0.25
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	20	0.25
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	20	0.25
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	20	0.25
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	3	0.25
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	3	0.25
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	3	0.25
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	3	0.25
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	3	0.25
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	3	0.25
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	6	0.25
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	9	0.25
(1,2602)	1:217:A:GLN:HE22	1:221:A:GLU:HG2	19	0.25
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	3	0.25
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	7	0.25
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	11	0.25
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	17	0.25
(1,2415)	1:217:A:GLN:HE22	1:221:A:GLU:H	15	0.25
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	9	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	13	0.25
(1,1994)	1:184:A:ILE:HG13	1:185:A:LYS:H	11	0.25
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	7	0.25
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	7	0.25
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	7	0.25
(1,1772)	1:164:A:ARG:HE	1:165:A:PRO:HG3	18	0.25
(1,1766)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	1	0.25
(1,1766)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	1	0.25
(1,1766)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	1	0.25
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	16	0.25
(1,1699)	1:146:A:GLU:HB3	1:147:A:ASP:HB3	2	0.25
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	4	0.25
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	5	0.25
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	9	0.25
(1,1573)	1:133:A:ALA:HA	1:134:A:MET:HG3	1	0.25
(1,1573)	1:133:A:ALA:HA	1:134:A:MET:HG3	2	0.25
(1,1573)	1:133:A:ALA:HA	1:134:A:MET:HG3	11	0.25
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	14	0.25
(1,1444)	1:196:A:GLU:HA	1:196:A:GLU:HG3	5	0.25
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	18	0.25
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	2	0.25
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	4	0.25
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG11	7	0.25
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG12	7	0.25
(1,1262)	1:120:A:SER:HA	1:121:A:VAL:HG13	7	0.25
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG11	3	0.25
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG12	3	0.25
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG13	3	0.25
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	8	0.25
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	17	0.25
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	20	0.25
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	20	0.25
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	20	0.25
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG11	12	0.25
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG12	12	0.25
(1,194)	1:199:A:THR:HA	1:203:A:VAL:HG13	12	0.25
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	9	0.25
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	9	0.25
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	9	0.25
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	8	0.25
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	6	0.25
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	6	0.25

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	6	0.25
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	19	0.25
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	19	0.25
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	19	0.25
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	12	0.25
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	12	0.25
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	12	0.25
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	12	0.25
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	12	0.25
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	12	0.25
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	12	0.25
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	12	0.25
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	12	0.25
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	7	0.25
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	7	0.25
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	7	0.25
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	1	0.24
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	10	0.24
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	8	0.24
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	8	0.24
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	14	0.24
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	14	0.24
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	17	0.24
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	16	0.24
(1,6169)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	18	0.24
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	14	0.24
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	14	0.24
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	14	0.24
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	14	0.24
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	14	0.24
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	14	0.24
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	16	0.24
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	16	0.24
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	19	0.24
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	19	0.24
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	19	0.24
(1,5778)	1:132:A:SER:H	1:132:A:SER:HB2	3	0.24
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	8	0.24
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	9	0.24
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	10	0.24
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	9	0.24
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	18	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	18	0.24
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	18	0.24
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	1	0.24
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	18	0.24
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	13	0.24
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	18	0.24
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	20	0.24
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	20	0.24
(1,4690)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	13	0.24
(1,4690)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	13	0.24
(1,4690)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	13	0.24
(1,4613)	1:196:A:GLU:HA	1:196:A:GLU:HG3	9	0.24
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	20	0.24
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	6	0.24
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	16	0.24
(1,4023)	1:221:A:GLU:HB3	1:222:A:SER:HB2	15	0.24
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	14	0.24
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	14	0.24
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	14	0.24
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	14	0.24
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	14	0.24
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	14	0.24
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	14	0.24
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	14	0.24
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	14	0.24
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	9	0.24
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG11	3	0.24
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG12	3	0.24
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG13	3	0.24
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG11	3	0.24
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG12	3	0.24
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG13	3	0.24
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	15	0.24
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	15	0.24
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	15	0.24
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	7	0.24
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	7	0.24
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	11	0.24
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	11	0.24
(1,3530)	1:156:A:ARG:H	1:156:A:ARG:HD3	18	0.24
(1,3433)	1:130:A:LEU:HA	1:130:A:LEU:HD11	4	0.24
(1,3433)	1:130:A:LEU:HA	1:130:A:LEU:HD12	4	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3433)	1:130:A:LEU:HA	1:130:A:LEU:HD13	4	0.24
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	12	0.24
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	12	0.24
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	12	0.24
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	12	0.24
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	12	0.24
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	12	0.24
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	12	0.24
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	12	0.24
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	12	0.24
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	14	0.24
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	14	0.24
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	14	0.24
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	15	0.24
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	15	0.24
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	15	0.24
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG21	9	0.24
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG22	9	0.24
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG23	9	0.24
(1,3200)	1:181:A:ASN:HD21	1:185:A:LYS:HG3	13	0.24
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	1	0.24
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	10	0.24
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	8	0.24
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	8	0.24
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	14	0.24
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	14	0.24
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	17	0.24
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	16	0.24
(1,3000)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	18	0.24
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	14	0.24
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	14	0.24
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	14	0.24
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	14	0.24
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	14	0.24
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	14	0.24
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	16	0.24
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	16	0.24
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	19	0.24
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	19	0.24
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	19	0.24
(1,2609)	1:132:A:SER:H	1:132:A:SER:HB2	3	0.24
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	8	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	9	0.24
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	10	0.24
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	9	0.24
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	18	0.24
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	18	0.24
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	18	0.24
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	1	0.24
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	18	0.24
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	13	0.24
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	18	0.24
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	20	0.24
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	20	0.24
(1,1521)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	13	0.24
(1,1521)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	13	0.24
(1,1521)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	13	0.24
(1,1444)	1:196:A:GLU:HA	1:196:A:GLU:HG3	9	0.24
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	20	0.24
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	6	0.24
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	16	0.24
(1,854)	1:221:A:GLU:HB3	1:222:A:SER:HB2	15	0.24
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	14	0.24
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	14	0.24
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	14	0.24
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	14	0.24
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	14	0.24
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	14	0.24
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	14	0.24
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	14	0.24
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	14	0.24
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	9	0.24
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG11	3	0.24
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG12	3	0.24
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG13	3	0.24
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG11	3	0.24
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG12	3	0.24
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG13	3	0.24
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	15	0.24
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	15	0.24
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	15	0.24
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	7	0.24
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	7	0.24
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	11	0.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	11	0.24
(1,361)	1:156:A:ARG:H	1:156:A:ARG:HD3	18	0.24
(1,264)	1:130:A:LEU:HA	1:130:A:LEU:HD11	4	0.24
(1,264)	1:130:A:LEU:HA	1:130:A:LEU:HD12	4	0.24
(1,264)	1:130:A:LEU:HA	1:130:A:LEU:HD13	4	0.24
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	12	0.24
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	12	0.24
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	12	0.24
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	12	0.24
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	12	0.24
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	12	0.24
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	12	0.24
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	12	0.24
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	12	0.24
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	14	0.24
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	14	0.24
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	14	0.24
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	15	0.24
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	15	0.24
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	15	0.24
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG21	9	0.24
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG22	9	0.24
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG23	9	0.24
(1,31)	1:181:A:ASN:HD21	1:185:A:LYS:HG3	13	0.24
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	3	0.23
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	11	0.23
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	14	0.23
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	5	0.23
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	15	0.23
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	20	0.23
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	17	0.23
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	6	0.23
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	7	0.23
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	4	0.23
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	5	0.23
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	15	0.23
(1,5686)	1:210:A:VAL:HG11	1:212:A:GLN:H	6	0.23
(1,5686)	1:210:A:VAL:HG12	1:212:A:GLN:H	6	0.23
(1,5686)	1:210:A:VAL:HG13	1:212:A:GLN:H	6	0.23
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	11	0.23
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	5	0.23
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG21	9	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG22	9	0.23
(1,5537)	1:206:A:MET:H	1:209:A:VAL:HG23	9	0.23
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	3	0.23
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	10	0.23
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	3	0.23
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	19	0.23
(1,4968)	1:148:A:ARG:HG3	1:149:A:TYR:HA	13	0.23
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	7	0.23
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	14	0.23
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	15	0.23
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	4	0.23
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	4	0.23
(1,4712)	1:136:A:ARG:HA	1:136:A:ARG:HG3	20	0.23
(1,4690)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	10	0.23
(1,4690)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	10	0.23
(1,4690)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	10	0.23
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	8	0.23
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	16	0.23
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	16	0.23
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	16	0.23
(1,4183)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	9	0.23
(1,4183)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	9	0.23
(1,4183)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	9	0.23
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	5	0.23
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	13	0.23
(1,3850)	1:132:A:SER:HB2	1:133:A:ALA:H	9	0.23
(1,3733)	1:211:A:GLU:HG2	1:214:A:CYS:HB3	7	0.23
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	13	0.23
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	13	0.23
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	13	0.23
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	13	0.23
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	13	0.23
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	13	0.23
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	20	0.23
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	20	0.23
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	20	0.23
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	20	0.23
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	20	0.23
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	20	0.23
(1,3291)	1:125:A:LEU:HD21	1:186:A:GLN:HB3	4	0.23
(1,3291)	1:125:A:LEU:HD22	1:186:A:GLN:HB3	4	0.23
(1,3291)	1:125:A:LEU:HD23	1:186:A:GLN:HB3	4	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	9	0.23
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	9	0.23
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	9	0.23
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	1	0.23
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	1	0.23
(1,3273)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	1	0.23
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	5	0.23
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	5	0.23
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	5	0.23
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	5	0.23
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	5	0.23
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	5	0.23
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	5	0.23
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	5	0.23
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	5	0.23
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	17	0.23
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	17	0.23
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	17	0.23
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	17	0.23
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	17	0.23
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	17	0.23
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	17	0.23
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	17	0.23
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	17	0.23
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	12	0.23
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	12	0.23
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	12	0.23
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	12	0.23
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	12	0.23
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	12	0.23
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	12	0.23
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	12	0.23
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	12	0.23
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	4	0.23
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	4	0.23
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	4	0.23
(1,3188)	1:204:A:LYS:HG2	1:207:A:GLU:HB2	2	0.23
(1,3188)	1:204:A:LYS:HG2	1:207:A:GLU:HB2	18	0.23
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	3	0.23
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	11	0.23
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	14	0.23
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	5	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	15	0.23
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	20	0.23
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	17	0.23
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	6	0.23
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	7	0.23
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	4	0.23
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	5	0.23
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	15	0.23
(1,2517)	1:210:A:VAL:HG11	1:212:A:GLN:H	6	0.23
(1,2517)	1:210:A:VAL:HG12	1:212:A:GLN:H	6	0.23
(1,2517)	1:210:A:VAL:HG13	1:212:A:GLN:H	6	0.23
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	11	0.23
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	5	0.23
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG21	9	0.23
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG22	9	0.23
(1,2368)	1:206:A:MET:H	1:209:A:VAL:HG23	9	0.23
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	3	0.23
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	10	0.23
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	3	0.23
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	19	0.23
(1,1799)	1:148:A:ARG:HG3	1:149:A:TYR:HA	13	0.23
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	7	0.23
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	14	0.23
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	15	0.23
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	4	0.23
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	4	0.23
(1,1543)	1:136:A:ARG:HA	1:136:A:ARG:HG3	20	0.23
(1,1521)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	10	0.23
(1,1521)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	10	0.23
(1,1521)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	10	0.23
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	8	0.23
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	16	0.23
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	16	0.23
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	16	0.23
(1,1014)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	9	0.23
(1,1014)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	9	0.23
(1,1014)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	9	0.23
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	5	0.23
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	13	0.23
(1,681)	1:132:A:SER:HB2	1:133:A:ALA:H	9	0.23
(1,564)	1:211:A:GLU:HG2	1:214:A:CYS:HB3	7	0.23
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	13	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	13	0.23
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	13	0.23
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	13	0.23
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	13	0.23
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	13	0.23
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	20	0.23
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	20	0.23
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	20	0.23
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	20	0.23
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	20	0.23
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	20	0.23
(1,122)	1:125:A:LEU:HD21	1:186:A:GLN:HB3	4	0.23
(1,122)	1:125:A:LEU:HD22	1:186:A:GLN:HB3	4	0.23
(1,122)	1:125:A:LEU:HD23	1:186:A:GLN:HB3	4	0.23
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	9	0.23
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	9	0.23
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	9	0.23
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG11	1	0.23
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG12	1	0.23
(1,104)	1:212:A:GLN:HE22	1:215:A:VAL:HG13	1	0.23
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	5	0.23
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	5	0.23
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	5	0.23
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	5	0.23
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	5	0.23
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	5	0.23
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	5	0.23
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	5	0.23
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	5	0.23
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	17	0.23
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	17	0.23
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	17	0.23
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	17	0.23
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	17	0.23
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	17	0.23
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	17	0.23
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	17	0.23
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	17	0.23
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	12	0.23
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	12	0.23
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	12	0.23
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	12	0.23

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	12	0.23
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	12	0.23
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	12	0.23
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	12	0.23
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	12	0.23
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	4	0.23
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	4	0.23
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	4	0.23
(1,19)	1:204:A:LYS:HG2	1:207:A:GLU:HB2	2	0.23
(1,19)	1:204:A:LYS:HG2	1:207:A:GLU:HB2	18	0.23
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	4	0.22
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	6	0.22
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	8	0.22
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	13	0.22
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	12	0.22
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	2	0.22
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	2	0.22
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	2	0.22
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	2	0.22
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	2	0.22
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	2	0.22
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	1	0.22
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	1	0.22
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	9	0.22
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	9	0.22
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	20	0.22
(1,5930)	1:145:A:TRP:HE1	1:146:A:GLU:HG2	20	0.22
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	8	0.22
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	14	0.22
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	4	0.22
(1,5517)	1:203:A:VAL:HG21	1:207:A:GLU:H	12	0.22
(1,5517)	1:203:A:VAL:HG22	1:207:A:GLU:H	12	0.22
(1,5517)	1:203:A:VAL:HG23	1:207:A:GLU:H	12	0.22
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	20	0.22
(1,5444)	1:166:A:VAL:H	1:221:A:GLU:HG2	13	0.22
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	12	0.22
(1,5237)	1:129:A:MET:H	1:165:A:PRO:HD2	4	0.22
(1,5103)	1:135:A:SER:HB2	1:136:A:ARG:H	3	0.22
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	18	0.22
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	17	0.22
(1,4935)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	19	0.22
(1,4935)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	19	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4935)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	19	0.22
(1,4742)	1:133:A:ALA:HA	1:134:A:MET:HG3	12	0.22
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	9	0.22
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	9	0.22
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	4	0.22
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	4	0.22
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	14	0.22
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	15	0.22
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	4	0.22
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	4	0.22
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	4	0.22
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	4	0.22
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	4	0.22
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	4	0.22
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	4	0.22
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	4	0.22
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	4	0.22
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	13	0.22
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	13	0.22
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG2	10	0.22
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG3	10	0.22
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG2	10	0.22
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG3	10	0.22
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG2	10	0.22
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG3	10	0.22
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	8	0.22
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	8	0.22
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	8	0.22
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	8	0.22
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	8	0.22
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	8	0.22
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	8	0.22
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	8	0.22
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	8	0.22
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	10	0.22
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	10	0.22
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	10	0.22
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	3	0.22
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	9	0.22
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	14	0.22
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	13	0.22
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	16	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	4	0.22
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	4	0.22
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	4	0.22
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	13	0.22
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	13	0.22
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	13	0.22
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE1	9	0.22
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE2	9	0.22
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE3	9	0.22
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE1	9	0.22
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE2	9	0.22
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE3	9	0.22
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE1	9	0.22
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE2	9	0.22
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE3	9	0.22
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	4	0.22
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	6	0.22
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	8	0.22
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	13	0.22
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	12	0.22
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	2	0.22
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	2	0.22
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	2	0.22
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	2	0.22
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	2	0.22
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	2	0.22
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	1	0.22
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	1	0.22
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	9	0.22
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	9	0.22
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	20	0.22
(1,2761)	1:145:A:TRP:HE1	1:146:A:GLU:HG2	20	0.22
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	8	0.22
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	14	0.22
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	4	0.22
(1,2348)	1:203:A:VAL:HG21	1:207:A:GLU:H	12	0.22
(1,2348)	1:203:A:VAL:HG22	1:207:A:GLU:H	12	0.22
(1,2348)	1:203:A:VAL:HG23	1:207:A:GLU:H	12	0.22
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	20	0.22
(1,2275)	1:166:A:VAL:H	1:221:A:GLU:HG2	13	0.22
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	12	0.22
(1,2068)	1:129:A:MET:H	1:165:A:PRO:HD2	4	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1934)	1:135:A:SER:HB2	1:136:A:ARG:H	3	0.22
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	18	0.22
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	17	0.22
(1,1766)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	19	0.22
(1,1766)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	19	0.22
(1,1766)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	19	0.22
(1,1573)	1:133:A:ALA:HA	1:134:A:MET:HG3	12	0.22
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	9	0.22
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	9	0.22
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	4	0.22
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	4	0.22
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	14	0.22
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	15	0.22
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	4	0.22
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	4	0.22
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	4	0.22
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	4	0.22
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	4	0.22
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	4	0.22
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	4	0.22
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	4	0.22
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	4	0.22
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	13	0.22
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	13	0.22
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG2	10	0.22
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG3	10	0.22
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG2	10	0.22
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG3	10	0.22
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG2	10	0.22
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG3	10	0.22
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	8	0.22
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	8	0.22
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	8	0.22
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	8	0.22
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	8	0.22
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	8	0.22
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	8	0.22
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	8	0.22
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	8	0.22
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	10	0.22
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	10	0.22
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	10	0.22

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	3	0.22
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	9	0.22
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	14	0.22
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	13	0.22
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	16	0.22
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	4	0.22
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	4	0.22
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	4	0.22
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	13	0.22
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	13	0.22
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	13	0.22
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE1	9	0.22
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE2	9	0.22
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE3	9	0.22
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE1	9	0.22
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE2	9	0.22
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE3	9	0.22
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE1	9	0.22
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE2	9	0.22
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE3	9	0.22
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	2	0.21
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	5	0.21
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	12	0.21
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	18	0.21
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	20	0.21
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	6	0.21
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	5	0.21
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	9	0.21
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	9	0.21
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	9	0.21
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	9	0.21
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	9	0.21
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	9	0.21
(1,5908)	1:122:A:VAL:HG21	1:127:A:GLY:H	2	0.21
(1,5908)	1:122:A:VAL:HG22	1:127:A:GLY:H	2	0.21
(1,5908)	1:122:A:VAL:HG23	1:127:A:GLY:H	2	0.21
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	15	0.21
(1,5584)	1:217:A:GLN:HE22	1:221:A:GLU:H	1	0.21
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	7	0.21
(1,5312)	1:149:A:TYR:HB2	1:150:A:TYR:H	16	0.21
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	6	0.21
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	17	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5057)	1:125:A:LEU:HG	1:162:A:TYR:HB2	17	0.21
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	6	0.21
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	8	0.21
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	2	0.21
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	10	0.21
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	8	0.21
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	11	0.21
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	14	0.21
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	7	0.21
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	7	0.21
(1,4690)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	19	0.21
(1,4690)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	19	0.21
(1,4690)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	19	0.21
(1,4451)	1:152:A:GLU:HA	1:152:A:GLU:HG3	13	0.21
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	14	0.21
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	7	0.21
(1,3850)	1:132:A:SER:HB2	1:133:A:ALA:H	13	0.21
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE1	9	0.21
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE2	9	0.21
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE3	9	0.21
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	7	0.21
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	15	0.21
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	10	0.21
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	10	0.21
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	10	0.21
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	10	0.21
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	10	0.21
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	10	0.21
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	10	0.21
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	10	0.21
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	10	0.21
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	4	0.21
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	4	0.21
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	4	0.21
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	6	0.21
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	2	0.21
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	5	0.21
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	12	0.21
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	18	0.21
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	20	0.21
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	6	0.21
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	5	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	9	0.21
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	9	0.21
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	9	0.21
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	9	0.21
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	9	0.21
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	9	0.21
(1,2739)	1:122:A:VAL:HG21	1:127:A:GLY:H	2	0.21
(1,2739)	1:122:A:VAL:HG22	1:127:A:GLY:H	2	0.21
(1,2739)	1:122:A:VAL:HG23	1:127:A:GLY:H	2	0.21
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	15	0.21
(1,2415)	1:217:A:GLN:HE22	1:221:A:GLU:H	1	0.21
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	7	0.21
(1,2143)	1:149:A:TYR:HB2	1:150:A:TYR:H	16	0.21
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	6	0.21
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	17	0.21
(1,1888)	1:125:A:LEU:HG	1:162:A:TYR:HB2	17	0.21
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	6	0.21
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	8	0.21
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	2	0.21
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	10	0.21
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	8	0.21
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	11	0.21
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	14	0.21
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	7	0.21
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	7	0.21
(1,1521)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	19	0.21
(1,1521)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	19	0.21
(1,1521)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	19	0.21
(1,1282)	1:152:A:GLU:HA	1:152:A:GLU:HG3	13	0.21
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	14	0.21
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	7	0.21
(1,681)	1:132:A:SER:HB2	1:133:A:ALA:H	13	0.21
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE1	9	0.21
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE2	9	0.21
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE3	9	0.21
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	7	0.21
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	15	0.21
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	10	0.21
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	10	0.21
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	10	0.21
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	10	0.21
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	10	0.21

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	10	0.21
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	10	0.21
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	10	0.21
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	10	0.21
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	4	0.21
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	4	0.21
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	4	0.21
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	6	0.21
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	7	0.2
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	13	0.2
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	15	0.2
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	15	0.2
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	15	0.2
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	15	0.2
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	15	0.2
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	15	0.2
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	15	0.2
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	11	0.2
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	13	0.2
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	13	0.2
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	7	0.2
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	9	0.2
(1,5819)	1:165:A:PRO:HG3	1:168:A:GLN:HE22	15	0.2
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	16	0.2
(1,5578)	1:220:A:LYS:HB3	1:221:A:GLU:H	3	0.2
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	17	0.2
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	1	0.2
(1,5237)	1:129:A:MET:H	1:165:A:PRO:HD2	5	0.2
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	9	0.2
(1,5103)	1:135:A:SER:HB2	1:136:A:ARG:H	10	0.2
(1,5093)	1:156:A:ARG:HB3	1:156:A:ARG:HE	2	0.2
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	8	0.2
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	5	0.2
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	13	0.2
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	17	0.2
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	17	0.2
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	17	0.2
(1,4828)	1:139:A:ILE:HB	1:208:A:ARG:HB2	4	0.2
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	4	0.2
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	4	0.2
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	4	0.2
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	6	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	6	0.2
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	6	0.2
(1,4712)	1:136:A:ARG:HA	1:136:A:ARG:HG3	14	0.2
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	14	0.2
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	14	0.2
(1,4613)	1:196:A:GLU:HA	1:196:A:GLU:HG3	6	0.2
(1,4540)	1:159:A:ASN:HB3	1:160:A:GLN:HG2	15	0.2
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	10	0.2
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	3	0.2
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	3	0.2
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	3	0.2
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG11	18	0.2
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG12	18	0.2
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG13	18	0.2
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	20	0.2
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE1	11	0.2
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE2	11	0.2
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE3	11	0.2
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	7	0.2
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	7	0.2
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	7	0.2
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	20	0.2
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	20	0.2
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	20	0.2
(1,3598)	1:136:A:ARG:HD3	1:154:A:MET:HG3	19	0.2
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	13	0.2
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	13	0.2
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	13	0.2
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	13	0.2
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	13	0.2
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	13	0.2
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	13	0.2
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	13	0.2
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	13	0.2
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	18	0.2
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	18	0.2
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	18	0.2
(1,3436)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	1	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	6	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	6	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	6	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	14	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	14	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	14	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	20	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	20	0.2
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	20	0.2
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	11	0.2
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	3	0.2
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	3	0.2
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	3	0.2
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	3	0.2
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	3	0.2
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	3	0.2
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	3	0.2
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	3	0.2
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	3	0.2
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	7	0.2
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	13	0.2
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	15	0.2
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	15	0.2
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	15	0.2
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	15	0.2
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	15	0.2
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	15	0.2
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	15	0.2
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	11	0.2
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	13	0.2
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	13	0.2
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	7	0.2
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	9	0.2
(1,2650)	1:165:A:PRO:HG3	1:168:A:GLN:HE22	15	0.2
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	16	0.2
(1,2409)	1:220:A:LYS:HB3	1:221:A:GLU:H	3	0.2
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	17	0.2
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	1	0.2
(1,2068)	1:129:A:MET:H	1:165:A:PRO:HD2	5	0.2
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	9	0.2
(1,1934)	1:135:A:SER:HB2	1:136:A:ARG:H	10	0.2
(1,1924)	1:156:A:ARG:HB3	1:156:A:ARG:HE	2	0.2
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	8	0.2
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	5	0.2
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	13	0.2
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	17	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	17	0.2
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	17	0.2
(1,1659)	1:139:A:ILE:HB	1:208:A:ARG:HB2	4	0.2
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	4	0.2
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	4	0.2
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	4	0.2
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	6	0.2
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	6	0.2
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	6	0.2
(1,1543)	1:136:A:ARG:HA	1:136:A:ARG:HG3	14	0.2
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	14	0.2
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	14	0.2
(1,1444)	1:196:A:GLU:HA	1:196:A:GLU:HG3	6	0.2
(1,1371)	1:159:A:ASN:HB3	1:160:A:GLN:HG2	15	0.2
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	10	0.2
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	3	0.2
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	3	0.2
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	3	0.2
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG11	18	0.2
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG12	18	0.2
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG13	18	0.2
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	20	0.2
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE1	11	0.2
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE2	11	0.2
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE3	11	0.2
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	7	0.2
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	7	0.2
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	7	0.2
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	20	0.2
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	20	0.2
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	20	0.2
(1,429)	1:136:A:ARG:HD3	1:154:A:MET:HG3	19	0.2
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	13	0.2
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	13	0.2
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	13	0.2
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	13	0.2
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	13	0.2
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	13	0.2
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	13	0.2
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	13	0.2
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	13	0.2
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	18	0.2

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	18	0.2
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	18	0.2
(1,267)	1:130:A:LEU:HB3	1:131:A:GLY:HA3	1	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	6	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	6	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	6	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	14	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	14	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	14	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	20	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	20	0.2
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	20	0.2
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	11	0.2
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	3	0.2
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	3	0.2
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	3	0.2
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	3	0.2
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	3	0.2
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	3	0.2
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	3	0.2
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	3	0.2
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	3	0.2
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	9	0.19
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	12	0.19
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	12	0.19
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	12	0.19
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	12	0.19
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	12	0.19
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	12	0.19
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	10	0.19
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	13	0.19
(1,6194)	1:145:A:TRP:HE3	1:146:A:GLU:HG2	20	0.19
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	5	0.19
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	18	0.19
(1,5584)	1:217:A:GLN:HE22	1:221:A:GLU:H	12	0.19
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	15	0.19
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	12	0.19
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	18	0.19
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	10	0.19
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	14	0.19
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	19	0.19
(1,4935)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	17	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4935)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	17	0.19
(1,4935)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	17	0.19
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	3	0.19
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	3	0.19
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	3	0.19
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	17	0.19
(1,4843)	1:183:A:THR:HG21	1:184:A:ILE:HG13	5	0.19
(1,4843)	1:183:A:THR:HG22	1:184:A:ILE:HG13	5	0.19
(1,4843)	1:183:A:THR:HG23	1:184:A:ILE:HG13	5	0.19
(1,4843)	1:183:A:THR:HG21	1:184:A:ILE:HG13	18	0.19
(1,4843)	1:183:A:THR:HG22	1:184:A:ILE:HG13	18	0.19
(1,4843)	1:183:A:THR:HG23	1:184:A:ILE:HG13	18	0.19
(1,4660)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	5	0.19
(1,4652)	1:184:A:ILE:HG21	1:206:A:MET:HG3	17	0.19
(1,4652)	1:184:A:ILE:HG22	1:206:A:MET:HG3	17	0.19
(1,4652)	1:184:A:ILE:HG23	1:206:A:MET:HG3	17	0.19
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	11	0.19
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	11	0.19
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	11	0.19
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	6	0.19
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	1	0.19
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	17	0.19
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	19	0.19
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	2	0.19
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	6	0.19
(1,3891)	1:134:A:MET:HE1	1:217:A:GLN:HE21	8	0.19
(1,3891)	1:134:A:MET:HE2	1:217:A:GLN:HE21	8	0.19
(1,3891)	1:134:A:MET:HE3	1:217:A:GLN:HE21	8	0.19
(1,3790)	1:178:A:ASP:HB2	1:179:A:CYS:H	7	0.19
(1,3766)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	4	0.19
(1,3766)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	4	0.19
(1,3766)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	4	0.19
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	3	0.19
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	3	0.19
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	3	0.19
(1,3668)	1:208:A:ARG:HA	1:208:A:ARG:HD2	17	0.19
(1,3655)	1:209:A:VAL:HA	1:213:A:MET:HG2	1	0.19
(1,3473)	1:215:A:VAL:HA	1:218:A:TYR:HB2	18	0.19
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	10	0.19
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	10	0.19
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	10	0.19
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	19	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	19	0.19
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	19	0.19
(1,3321)	1:193:A:THR:HB	1:194:A:LYS:HB3	4	0.19
(1,3290)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	14	0.19
(1,3290)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	14	0.19
(1,3290)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	14	0.19
(1,3284)	1:161:A:VAL:HG11	1:213:A:MET:HB2	15	0.19
(1,3284)	1:161:A:VAL:HG12	1:213:A:MET:HB2	15	0.19
(1,3284)	1:161:A:VAL:HG13	1:213:A:MET:HB2	15	0.19
(1,3284)	1:161:A:VAL:HG11	1:213:A:MET:HB3	15	0.19
(1,3284)	1:161:A:VAL:HG12	1:213:A:MET:HB3	15	0.19
(1,3284)	1:161:A:VAL:HG13	1:213:A:MET:HB3	15	0.19
(1,3282)	1:161:A:VAL:HG11	1:213:A:MET:HA	15	0.19
(1,3282)	1:161:A:VAL:HG12	1:213:A:MET:HA	15	0.19
(1,3282)	1:161:A:VAL:HG13	1:213:A:MET:HA	15	0.19
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	18	0.19
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	18	0.19
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	18	0.19
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	18	0.19
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	18	0.19
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	18	0.19
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	18	0.19
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	18	0.19
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	18	0.19
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	9	0.19
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	9	0.19
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	9	0.19
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	9	0.19
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	9	0.19
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	9	0.19
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	18	0.19
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	18	0.19
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	18	0.19
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	1	0.19
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	1	0.19
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	1	0.19
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	9	0.19
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	12	0.19
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	12	0.19
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	12	0.19
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	12	0.19
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	12	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	12	0.19
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	10	0.19
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	13	0.19
(1,3025)	1:145:A:TRP:HE3	1:146:A:GLU:HG2	20	0.19
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	5	0.19
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	18	0.19
(1,2415)	1:217:A:GLN:HE22	1:221:A:GLU:H	12	0.19
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	15	0.19
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	12	0.19
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	18	0.19
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	10	0.19
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	14	0.19
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	19	0.19
(1,1766)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	17	0.19
(1,1766)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	17	0.19
(1,1766)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	17	0.19
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	3	0.19
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	3	0.19
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	3	0.19
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	17	0.19
(1,1674)	1:183:A:THR:HG21	1:184:A:ILE:HG13	5	0.19
(1,1674)	1:183:A:THR:HG22	1:184:A:ILE:HG13	5	0.19
(1,1674)	1:183:A:THR:HG23	1:184:A:ILE:HG13	5	0.19
(1,1674)	1:183:A:THR:HG21	1:184:A:ILE:HG13	18	0.19
(1,1674)	1:183:A:THR:HG22	1:184:A:ILE:HG13	18	0.19
(1,1674)	1:183:A:THR:HG23	1:184:A:ILE:HG13	18	0.19
(1,1491)	1:158:A:PRO:HB2	1:160:A:GLN:HG2	5	0.19
(1,1483)	1:184:A:ILE:HG21	1:206:A:MET:HG3	17	0.19
(1,1483)	1:184:A:ILE:HG22	1:206:A:MET:HG3	17	0.19
(1,1483)	1:184:A:ILE:HG23	1:206:A:MET:HG3	17	0.19
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	11	0.19
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	11	0.19
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	11	0.19
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	6	0.19
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	1	0.19
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	17	0.19
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	19	0.19
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	2	0.19
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	6	0.19
(1,722)	1:134:A:MET:HE1	1:217:A:GLN:HE21	8	0.19
(1,722)	1:134:A:MET:HE2	1:217:A:GLN:HE21	8	0.19
(1,722)	1:134:A:MET:HE3	1:217:A:GLN:HE21	8	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,621)	1:178:A:ASP:HB2	1:179:A:CYS:H	7	0.19
(1,597)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	4	0.19
(1,597)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	4	0.19
(1,597)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	4	0.19
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	3	0.19
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	3	0.19
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	3	0.19
(1,499)	1:208:A:ARG:HA	1:208:A:ARG:HD2	17	0.19
(1,486)	1:209:A:VAL:HA	1:213:A:MET:HG2	1	0.19
(1,304)	1:215:A:VAL:HA	1:218:A:TYR:HB2	18	0.19
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	10	0.19
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	10	0.19
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	10	0.19
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	19	0.19
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	19	0.19
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	19	0.19
(1,152)	1:193:A:THR:HB	1:194:A:LYS:HB3	4	0.19
(1,121)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	14	0.19
(1,121)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	14	0.19
(1,121)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	14	0.19
(1,115)	1:161:A:VAL:HG11	1:213:A:MET:HB2	15	0.19
(1,115)	1:161:A:VAL:HG12	1:213:A:MET:HB2	15	0.19
(1,115)	1:161:A:VAL:HG13	1:213:A:MET:HB2	15	0.19
(1,115)	1:161:A:VAL:HG11	1:213:A:MET:HB3	15	0.19
(1,115)	1:161:A:VAL:HG12	1:213:A:MET:HB3	15	0.19
(1,115)	1:161:A:VAL:HG13	1:213:A:MET:HB3	15	0.19
(1,113)	1:161:A:VAL:HG11	1:213:A:MET:HA	15	0.19
(1,113)	1:161:A:VAL:HG12	1:213:A:MET:HA	15	0.19
(1,113)	1:161:A:VAL:HG13	1:213:A:MET:HA	15	0.19
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	18	0.19
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	18	0.19
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	18	0.19
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	18	0.19
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	18	0.19
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	18	0.19
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	18	0.19
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	18	0.19
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	18	0.19
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	9	0.19
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	9	0.19
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	9	0.19
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	9	0.19

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	9	0.19
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	9	0.19
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	18	0.19
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	18	0.19
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	18	0.19
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	1	0.19
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	1	0.19
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	1	0.19
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	17	0.18
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	1	0.18
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	9	0.18
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	4	0.18
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	18	0.18
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	19	0.18
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	3	0.18
(1,5216)	1:162:A:TYR:H	1:210:A:VAL:HG11	12	0.18
(1,5216)	1:162:A:TYR:H	1:210:A:VAL:HG12	12	0.18
(1,5216)	1:162:A:TYR:H	1:210:A:VAL:HG13	12	0.18
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	15	0.18
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	17	0.18
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	9	0.18
(1,4935)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	10	0.18
(1,4935)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	10	0.18
(1,4935)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	10	0.18
(1,4900)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	20	0.18
(1,4854)	1:220:A:LYS:HG2	1:220:A:LYS:HD2	7	0.18
(1,4854)	1:220:A:LYS:HG2	1:220:A:LYS:HD3	7	0.18
(1,4843)	1:183:A:THR:HG21	1:184:A:ILE:HG13	14	0.18
(1,4843)	1:183:A:THR:HG22	1:184:A:ILE:HG13	14	0.18
(1,4843)	1:183:A:THR:HG23	1:184:A:ILE:HG13	14	0.18
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	9	0.18
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	9	0.18
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	9	0.18
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	17	0.18
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	17	0.18
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	17	0.18
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	17	0.18
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	14	0.18
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	16	0.18
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	10	0.18
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE1	12	0.18
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE2	12	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE3	12	0.18
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE1	17	0.18
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE2	17	0.18
(1,3832)	1:149:A:TYR:HB2	1:205:A:MET:HE3	17	0.18
(1,3766)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	13	0.18
(1,3766)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	13	0.18
(1,3766)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	13	0.18
(1,3755)	1:143:A:ASN:HB2	1:146:A:GLU:HG2	20	0.18
(1,3755)	1:143:A:ASN:HB3	1:146:A:GLU:HG2	20	0.18
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	13	0.18
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	13	0.18
(1,3741)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	13	0.18
(1,3617)	1:148:A:ARG:HD2	1:151:A:ARG:HD2	9	0.18
(1,3617)	1:148:A:ARG:HD3	1:151:A:ARG:HD2	9	0.18
(1,3558)	1:121:A:VAL:HG21	1:122:A:VAL:H	7	0.18
(1,3558)	1:121:A:VAL:HG22	1:122:A:VAL:H	7	0.18
(1,3558)	1:121:A:VAL:HG23	1:122:A:VAL:H	7	0.18
(1,3545)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	5	0.18
(1,3545)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	5	0.18
(1,3545)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	5	0.18
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	6	0.18
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	6	0.18
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	6	0.18
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	1	0.18
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	1	0.18
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	1	0.18
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	13	0.18
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	13	0.18
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	13	0.18
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	16	0.18
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	16	0.18
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	16	0.18
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	11	0.18
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	11	0.18
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	11	0.18
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	11	0.18
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	11	0.18
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	11	0.18
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	11	0.18
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	11	0.18
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	11	0.18
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	8	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	8	0.18
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	8	0.18
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	8	0.18
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	8	0.18
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	8	0.18
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	8	0.18
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	8	0.18
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	8	0.18
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	7	0.18
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	7	0.18
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	7	0.18
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	9	0.18
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	9	0.18
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	9	0.18
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG21	18	0.18
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG22	18	0.18
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG23	18	0.18
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	17	0.18
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	1	0.18
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	9	0.18
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	4	0.18
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	18	0.18
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	19	0.18
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	3	0.18
(1,2047)	1:162:A:TYR:H	1:210:A:VAL:HG11	12	0.18
(1,2047)	1:162:A:TYR:H	1:210:A:VAL:HG12	12	0.18
(1,2047)	1:162:A:TYR:H	1:210:A:VAL:HG13	12	0.18
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	15	0.18
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	17	0.18
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	9	0.18
(1,1766)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	10	0.18
(1,1766)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	10	0.18
(1,1766)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	10	0.18
(1,1731)	1:136:A:ARG:HB3	1:136:A:ARG:HG2	20	0.18
(1,1685)	1:220:A:LYS:HG2	1:220:A:LYS:HD2	7	0.18
(1,1685)	1:220:A:LYS:HG2	1:220:A:LYS:HD3	7	0.18
(1,1674)	1:183:A:THR:HG21	1:184:A:ILE:HG13	14	0.18
(1,1674)	1:183:A:THR:HG22	1:184:A:ILE:HG13	14	0.18
(1,1674)	1:183:A:THR:HG23	1:184:A:ILE:HG13	14	0.18
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	9	0.18
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	9	0.18
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	9	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	17	0.18
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	17	0.18
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	17	0.18
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	17	0.18
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	14	0.18
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	16	0.18
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	10	0.18
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE1	12	0.18
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE2	12	0.18
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE3	12	0.18
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE1	17	0.18
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE2	17	0.18
(1,663)	1:149:A:TYR:HB2	1:205:A:MET:HE3	17	0.18
(1,597)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	13	0.18
(1,597)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	13	0.18
(1,597)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	13	0.18
(1,586)	1:143:A:ASN:HB2	1:146:A:GLU:HG2	20	0.18
(1,586)	1:143:A:ASN:HB3	1:146:A:GLU:HG2	20	0.18
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG11	13	0.18
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG12	13	0.18
(1,572)	1:202:A:ASP:HB3	1:203:A:VAL:HG13	13	0.18
(1,448)	1:148:A:ARG:HD2	1:151:A:ARG:HD2	9	0.18
(1,448)	1:148:A:ARG:HD3	1:151:A:ARG:HD2	9	0.18
(1,389)	1:121:A:VAL:HG21	1:122:A:VAL:H	7	0.18
(1,389)	1:121:A:VAL:HG22	1:122:A:VAL:H	7	0.18
(1,389)	1:121:A:VAL:HG23	1:122:A:VAL:H	7	0.18
(1,376)	1:215:A:VAL:HG21	1:218:A:TYR:HB2	5	0.18
(1,376)	1:215:A:VAL:HG22	1:218:A:TYR:HB2	5	0.18
(1,376)	1:215:A:VAL:HG23	1:218:A:TYR:HB2	5	0.18
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	6	0.18
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	6	0.18
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	6	0.18
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	1	0.18
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	1	0.18
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	1	0.18
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	13	0.18
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	13	0.18
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	13	0.18
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	16	0.18
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	16	0.18
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	16	0.18
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	11	0.18

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	11	0.18
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	11	0.18
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	11	0.18
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	11	0.18
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	11	0.18
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	11	0.18
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	11	0.18
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	11	0.18
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	8	0.18
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	8	0.18
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	8	0.18
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	8	0.18
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	8	0.18
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	8	0.18
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	8	0.18
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	8	0.18
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	8	0.18
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	7	0.18
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	7	0.18
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	7	0.18
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	9	0.18
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	9	0.18
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	9	0.18
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG21	18	0.18
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG22	18	0.18
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG23	18	0.18
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	16	0.17
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	1	0.17
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	1	0.17
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	1	0.17
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	1	0.17
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	1	0.17
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	1	0.17
(1,6317)	1:218:A:TYR:HE1	1:222:A:SER:HB2	15	0.17
(1,6317)	1:218:A:TYR:HE2	1:222:A:SER:HB2	15	0.17
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	5	0.17
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	18	0.17
(1,6169)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	8	0.17
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	16	0.17
(1,5840)	1:178:A:ASP:HA	1:181:A:ASN:HD22	8	0.17
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	4	0.17
(1,5788)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	2	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	15	0.17
(1,5686)	1:210:A:VAL:HG11	1:212:A:GLN:H	18	0.17
(1,5686)	1:210:A:VAL:HG12	1:212:A:GLN:H	18	0.17
(1,5686)	1:210:A:VAL:HG13	1:212:A:GLN:H	18	0.17
(1,5593)	1:171:A:ASN:HB3	1:173:A:ASN:H	16	0.17
(1,5584)	1:217:A:GLN:HE22	1:221:A:GLU:H	18	0.17
(1,5517)	1:203:A:VAL:HG21	1:207:A:GLU:H	17	0.17
(1,5517)	1:203:A:VAL:HG22	1:207:A:GLU:H	17	0.17
(1,5517)	1:203:A:VAL:HG23	1:207:A:GLU:H	17	0.17
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	4	0.17
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	9	0.17
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	6	0.17
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	13	0.17
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	20	0.17
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	20	0.17
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	20	0.17
(1,4950)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	6	0.17
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	4	0.17
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	11	0.17
(1,4863)	1:136:A:ARG:HG2	1:137:A:PRO:HD3	7	0.17
(1,4863)	1:136:A:ARG:HG2	1:137:A:PRO:HD3	15	0.17
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	15	0.17
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	15	0.17
(1,4752)	1:134:A:MET:HG3	1:160:A:GLN:HA	4	0.17
(1,4752)	1:134:A:MET:HG3	1:160:A:GLN:HA	17	0.17
(1,4742)	1:133:A:ALA:HA	1:134:A:MET:HG3	15	0.17
(1,4686)	1:185:A:LYS:HB2	1:186:A:GLN:H	14	0.17
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG21	19	0.17
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG22	19	0.17
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG23	19	0.17
(1,4613)	1:196:A:GLU:HA	1:196:A:GLU:HG3	7	0.17
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD11	7	0.17
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD12	7	0.17
(1,4476)	1:178:A:ASP:HB3	1:182:A:ILE:HD13	7	0.17
(1,4403)	1:196:A:GLU:H	1:196:A:GLU:HG3	4	0.17
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	19	0.17
(1,4142)	1:207:A:GLU:HA	1:207:A:GLU:HG3	12	0.17
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	4	0.17
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	9	0.17
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	9	0.17
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	9	0.17
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	3	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE1	4	0.17
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE2	4	0.17
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE3	4	0.17
(1,3850)	1:132:A:SER:HB2	1:133:A:ALA:H	19	0.17
(1,3802)	1:160:A:GLN:HA	1:161:A:VAL:HG21	10	0.17
(1,3802)	1:160:A:GLN:HA	1:161:A:VAL:HG22	10	0.17
(1,3802)	1:160:A:GLN:HA	1:161:A:VAL:HG23	10	0.17
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG2	3	0.17
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG3	3	0.17
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG2	3	0.17
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG3	3	0.17
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG2	3	0.17
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG3	3	0.17
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	12	0.17
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	12	0.17
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	12	0.17
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	16	0.17
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	16	0.17
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	16	0.17
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	16	0.17
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	16	0.17
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	16	0.17
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	16	0.17
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	16	0.17
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	16	0.17
(1,3278)	1:161:A:VAL:HG11	1:213:A:MET:H	10	0.17
(1,3278)	1:161:A:VAL:HG12	1:213:A:MET:H	10	0.17
(1,3278)	1:161:A:VAL:HG13	1:213:A:MET:H	10	0.17
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	7	0.17
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	7	0.17
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	7	0.17
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	7	0.17
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	7	0.17
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	7	0.17
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	16	0.17
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	1	0.17
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	1	0.17
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	1	0.17
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	1	0.17
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	1	0.17
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	1	0.17
(1,3148)	1:218:A:TYR:HE1	1:222:A:SER:HB2	15	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3148)	1:218:A:TYR:HE2	1:222:A:SER:HB2	15	0.17
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	5	0.17
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	18	0.17
(1,3000)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	8	0.17
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	16	0.17
(1,2671)	1:178:A:ASP:HA	1:181:A:ASN:HD22	8	0.17
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	4	0.17
(1,2619)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	2	0.17
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	15	0.17
(1,2517)	1:210:A:VAL:HG11	1:212:A:GLN:H	18	0.17
(1,2517)	1:210:A:VAL:HG12	1:212:A:GLN:H	18	0.17
(1,2517)	1:210:A:VAL:HG13	1:212:A:GLN:H	18	0.17
(1,2424)	1:171:A:ASN:HB3	1:173:A:ASN:H	16	0.17
(1,2415)	1:217:A:GLN:HE22	1:221:A:GLU:H	18	0.17
(1,2348)	1:203:A:VAL:HG21	1:207:A:GLU:H	17	0.17
(1,2348)	1:203:A:VAL:HG22	1:207:A:GLU:H	17	0.17
(1,2348)	1:203:A:VAL:HG23	1:207:A:GLU:H	17	0.17
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	4	0.17
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	9	0.17
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	6	0.17
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	13	0.17
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	20	0.17
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	20	0.17
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	20	0.17
(1,1781)	1:208:A:ARG:HD2	1:212:A:GLN:HB2	6	0.17
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	4	0.17
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	11	0.17
(1,1694)	1:136:A:ARG:HG2	1:137:A:PRO:HD3	7	0.17
(1,1694)	1:136:A:ARG:HG2	1:137:A:PRO:HD3	15	0.17
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	15	0.17
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	15	0.17
(1,1583)	1:134:A:MET:HG3	1:160:A:GLN:HA	4	0.17
(1,1583)	1:134:A:MET:HG3	1:160:A:GLN:HA	17	0.17
(1,1573)	1:133:A:ALA:HA	1:134:A:MET:HG3	15	0.17
(1,1517)	1:185:A:LYS:HB2	1:186:A:GLN:H	14	0.17
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG21	19	0.17
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG22	19	0.17
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG23	19	0.17
(1,1444)	1:196:A:GLU:HA	1:196:A:GLU:HG3	7	0.17
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD11	7	0.17
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD12	7	0.17
(1,1307)	1:178:A:ASP:HB3	1:182:A:ILE:HD13	7	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1234)	1:196:A:GLU:H	1:196:A:GLU:HG3	4	0.17
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	19	0.17
(1,973)	1:207:A:GLU:HA	1:207:A:GLU:HG3	12	0.17
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	4	0.17
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	9	0.17
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	9	0.17
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	9	0.17
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	3	0.17
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE1	4	0.17
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE2	4	0.17
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE3	4	0.17
(1,681)	1:132:A:SER:HB2	1:133:A:ALA:H	19	0.17
(1,633)	1:160:A:GLN:HA	1:161:A:VAL:HG21	10	0.17
(1,633)	1:160:A:GLN:HA	1:161:A:VAL:HG22	10	0.17
(1,633)	1:160:A:GLN:HA	1:161:A:VAL:HG23	10	0.17
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG2	3	0.17
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG3	3	0.17
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG2	3	0.17
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG3	3	0.17
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG2	3	0.17
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG3	3	0.17
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	12	0.17
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	12	0.17
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	12	0.17
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	16	0.17
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	16	0.17
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	16	0.17
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	16	0.17
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	16	0.17
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	16	0.17
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	16	0.17
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	16	0.17
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	16	0.17
(1,109)	1:161:A:VAL:HG11	1:213:A:MET:H	10	0.17
(1,109)	1:161:A:VAL:HG12	1:213:A:MET:H	10	0.17
(1,109)	1:161:A:VAL:HG13	1:213:A:MET:H	10	0.17
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	7	0.17
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	7	0.17
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	7	0.17
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	7	0.17
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	7	0.17
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	7	0.17

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6284)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	17	0.16
(1,6284)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	17	0.16
(1,6284)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	18	0.16
(1,6284)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	18	0.16
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	14	0.16
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	3	0.16
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	12	0.16
(1,6068)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	12	0.16
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	12	0.16
(1,6068)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	12	0.16
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	12	0.16
(1,6068)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	12	0.16
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	10	0.16
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	10	0.16
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	10	0.16
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	10	0.16
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	10	0.16
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	10	0.16
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	18	0.16
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	18	0.16
(1,5962)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	12	0.16
(1,5962)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	12	0.16
(1,5913)	1:140:A:HIS:HB2	1:142:A:GLY:H	17	0.16
(1,5788)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	6	0.16
(1,5788)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	8	0.16
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	1	0.16
(1,5714)	1:152:A:GLU:H	1:152:A:GLU:HG2	17	0.16
(1,5686)	1:210:A:VAL:HG11	1:212:A:GLN:H	14	0.16
(1,5686)	1:210:A:VAL:HG12	1:212:A:GLN:H	14	0.16
(1,5686)	1:210:A:VAL:HG13	1:212:A:GLN:H	14	0.16
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	4	0.16
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	10	0.16
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	19	0.16
(1,5312)	1:149:A:TYR:HB2	1:150:A:TYR:H	2	0.16
(1,5240)	1:194:A:LYS:H	1:194:A:LYS:HB3	16	0.16
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	15	0.16
(1,4935)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	14	0.16
(1,4935)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	14	0.16
(1,4935)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	14	0.16
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	1	0.16
(1,4843)	1:183:A:THR:HG21	1:184:A:ILE:HG13	13	0.16
(1,4843)	1:183:A:THR:HG22	1:184:A:ILE:HG13	13	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4843)	1:183:A:THR:HG23	1:184:A:ILE:HG13	13	0.16
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG21	6	0.16
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG22	6	0.16
(1,4734)	1:134:A:MET:HG2	1:216:A:THR:HG23	6	0.16
(1,4693)	1:129:A:MET:HG2	1:165:A:PRO:HD2	10	0.16
(1,4693)	1:129:A:MET:HG3	1:165:A:PRO:HD2	10	0.16
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG21	13	0.16
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG22	13	0.16
(1,4650)	1:206:A:MET:HG3	1:209:A:VAL:HG23	13	0.16
(1,4492)	1:130:A:LEU:HG	1:160:A:GLN:HG2	14	0.16
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	11	0.16
(1,4403)	1:196:A:GLU:H	1:196:A:GLU:HG3	7	0.16
(1,4318)	1:148:A:ARG:HA	1:152:A:GLU:HG2	4	0.16
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	11	0.16
(1,4253)	1:226:A:TYR:HA	1:229:A:ARG:HB2	17	0.16
(1,4164)	1:146:A:GLU:HG3	1:149:A:TYR:HB3	4	0.16
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	7	0.16
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	7	0.16
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	7	0.16
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	20	0.16
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	20	0.16
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	20	0.16
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	20	0.16
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	20	0.16
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	20	0.16
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	20	0.16
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	20	0.16
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	20	0.16
(1,3659)	1:137:A:PRO:HD3	1:209:A:VAL:HA	3	0.16
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	19	0.16
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	19	0.16
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	19	0.16
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	19	0.16
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	19	0.16
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	19	0.16
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	19	0.16
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	19	0.16
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	19	0.16
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	11	0.16
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	11	0.16
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	11	0.16
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	11	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	11	0.16
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	11	0.16
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	11	0.16
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	11	0.16
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	11	0.16
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	15	0.16
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	15	0.16
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	15	0.16
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	9	0.16
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	9	0.16
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	9	0.16
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	13	0.16
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	13	0.16
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	13	0.16
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	16	0.16
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	16	0.16
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	16	0.16
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	16	0.16
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	16	0.16
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	16	0.16
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	16	0.16
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	16	0.16
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	16	0.16
(1,3192)	1:204:A:LYS:H	1:204:A:LYS:HG3	11	0.16
(1,3115)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	17	0.16
(1,3115)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	17	0.16
(1,3115)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	18	0.16
(1,3115)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	18	0.16
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	14	0.16
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	3	0.16
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD1	12	0.16
(1,2899)	1:215:A:VAL:HG21	1:218:A:TYR:HD2	12	0.16
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD1	12	0.16
(1,2899)	1:215:A:VAL:HG22	1:218:A:TYR:HD2	12	0.16
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD1	12	0.16
(1,2899)	1:215:A:VAL:HG23	1:218:A:TYR:HD2	12	0.16
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	10	0.16
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	10	0.16
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	10	0.16
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	10	0.16
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	10	0.16
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	10	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	18	0.16
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	18	0.16
(1,2793)	1:169:A:TYR:HD1	1:174:A:ASN:HB3	12	0.16
(1,2793)	1:169:A:TYR:HD2	1:174:A:ASN:HB3	12	0.16
(1,2744)	1:140:A:HIS:HB2	1:142:A:GLY:H	17	0.16
(1,2619)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	6	0.16
(1,2619)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	8	0.16
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	1	0.16
(1,2545)	1:152:A:GLU:H	1:152:A:GLU:HG2	17	0.16
(1,2517)	1:210:A:VAL:HG11	1:212:A:GLN:H	14	0.16
(1,2517)	1:210:A:VAL:HG12	1:212:A:GLN:H	14	0.16
(1,2517)	1:210:A:VAL:HG13	1:212:A:GLN:H	14	0.16
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	4	0.16
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	10	0.16
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	19	0.16
(1,2143)	1:149:A:TYR:HB2	1:150:A:TYR:H	2	0.16
(1,2071)	1:194:A:LYS:H	1:194:A:LYS:HB3	16	0.16
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	15	0.16
(1,1766)	1:176:A:VAL:HG11	1:177:A:HIS:HB3	14	0.16
(1,1766)	1:176:A:VAL:HG12	1:177:A:HIS:HB3	14	0.16
(1,1766)	1:176:A:VAL:HG13	1:177:A:HIS:HB3	14	0.16
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	1	0.16
(1,1674)	1:183:A:THR:HG21	1:184:A:ILE:HG13	13	0.16
(1,1674)	1:183:A:THR:HG22	1:184:A:ILE:HG13	13	0.16
(1,1674)	1:183:A:THR:HG23	1:184:A:ILE:HG13	13	0.16
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG21	6	0.16
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG22	6	0.16
(1,1565)	1:134:A:MET:HG2	1:216:A:THR:HG23	6	0.16
(1,1524)	1:129:A:MET:HG2	1:165:A:PRO:HD2	10	0.16
(1,1524)	1:129:A:MET:HG3	1:165:A:PRO:HD2	10	0.16
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG21	13	0.16
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG22	13	0.16
(1,1481)	1:206:A:MET:HG3	1:209:A:VAL:HG23	13	0.16
(1,1323)	1:130:A:LEU:HG	1:160:A:GLN:HG2	14	0.16
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	11	0.16
(1,1234)	1:196:A:GLU:H	1:196:A:GLU:HG3	7	0.16
(1,1149)	1:148:A:ARG:HA	1:152:A:GLU:HG2	4	0.16
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	11	0.16
(1,1084)	1:226:A:TYR:HA	1:229:A:ARG:HB2	17	0.16
(1,995)	1:146:A:GLU:HG3	1:149:A:TYR:HB3	4	0.16
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	7	0.16
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	7	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	7	0.16
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	20	0.16
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	20	0.16
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	20	0.16
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	20	0.16
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	20	0.16
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	20	0.16
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	20	0.16
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	20	0.16
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	20	0.16
(1,490)	1:137:A:PRO:HD3	1:209:A:VAL:HA	3	0.16
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	19	0.16
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	19	0.16
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	19	0.16
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	19	0.16
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	19	0.16
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	19	0.16
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	19	0.16
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	19	0.16
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	19	0.16
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	11	0.16
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	11	0.16
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	11	0.16
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	11	0.16
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	11	0.16
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	11	0.16
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	11	0.16
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	11	0.16
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	11	0.16
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	15	0.16
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	15	0.16
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	15	0.16
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	9	0.16
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	9	0.16
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	9	0.16
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	13	0.16
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	13	0.16
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	13	0.16
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	16	0.16
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	16	0.16
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	16	0.16
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	16	0.16

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	16	0.16
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	16	0.16
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	16	0.16
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	16	0.16
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	16	0.16
(1,23)	1:204:A:LYS:H	1:204:A:LYS:HG3	11	0.16
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	2	0.15
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	2	0.15
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	18	0.15
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	18	0.15
(1,6212)	1:166:A:VAL:HG21	1:169:A:TYR:HE1	20	0.15
(1,6212)	1:166:A:VAL:HG21	1:169:A:TYR:HE2	20	0.15
(1,6212)	1:166:A:VAL:HG22	1:169:A:TYR:HE1	20	0.15
(1,6212)	1:166:A:VAL:HG22	1:169:A:TYR:HE2	20	0.15
(1,6212)	1:166:A:VAL:HG23	1:169:A:TYR:HE1	20	0.15
(1,6212)	1:166:A:VAL:HG23	1:169:A:TYR:HE2	20	0.15
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	13	0.15
(1,6169)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	5	0.15
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	5	0.15
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	5	0.15
(1,5931)	1:228:A:GLY:H	1:229:A:ARG:HB2	4	0.15
(1,5895)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	18	0.15
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	8	0.15
(1,5814)	1:223:A:GLN:HE21	1:226:A:TYR:H	15	0.15
(1,5788)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	1	0.15
(1,5787)	1:171:A:ASN:HD22	1:173:A:ASN:H	10	0.15
(1,5773)	1:217:A:GLN:HE21	1:220:A:LYS:HB3	5	0.15
(1,5769)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	1	0.15
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	16	0.15
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	16	0.15
(1,5686)	1:210:A:VAL:HG11	1:212:A:GLN:H	3	0.15
(1,5686)	1:210:A:VAL:HG12	1:212:A:GLN:H	3	0.15
(1,5686)	1:210:A:VAL:HG13	1:212:A:GLN:H	3	0.15
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	13	0.15
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	2	0.15
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	3	0.15
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	4	0.15
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	16	0.15
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	16	0.15
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	16	0.15
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	16	0.15
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	8	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	18	0.15
(1,4895)	1:199:A:THR:HG21	1:200:A:GLU:HB2	10	0.15
(1,4895)	1:199:A:THR:HG22	1:200:A:GLU:HB2	10	0.15
(1,4895)	1:199:A:THR:HG23	1:200:A:GLU:HB2	10	0.15
(1,4854)	1:220:A:LYS:HG2	1:220:A:LYS:HD2	20	0.15
(1,4854)	1:220:A:LYS:HG2	1:220:A:LYS:HD3	20	0.15
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	3	0.15
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	12	0.15
(1,4843)	1:183:A:THR:HG21	1:184:A:ILE:HG13	10	0.15
(1,4843)	1:183:A:THR:HG22	1:184:A:ILE:HG13	10	0.15
(1,4843)	1:183:A:THR:HG23	1:184:A:ILE:HG13	10	0.15
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	14	0.15
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	14	0.15
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	14	0.15
(1,4622)	1:213:A:MET:H	1:213:A:MET:HG2	14	0.15
(1,4613)	1:196:A:GLU:HA	1:196:A:GLU:HG3	4	0.15
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	12	0.15
(1,4403)	1:196:A:GLU:H	1:196:A:GLU:HG3	6	0.15
(1,4357)	1:211:A:GLU:H	1:211:A:GLU:HG2	9	0.15
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG21	4	0.15
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG22	4	0.15
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG23	4	0.15
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	9	0.15
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	11	0.15
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	15	0.15
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	16	0.15
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	4	0.15
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	18	0.15
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	1	0.15
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	2	0.15
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	3	0.15
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	14	0.15
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	20	0.15
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE1	8	0.15
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE2	8	0.15
(1,4001)	1:209:A:VAL:HG21	1:213:A:MET:HE3	8	0.15
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE1	8	0.15
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE2	8	0.15
(1,4001)	1:209:A:VAL:HG22	1:213:A:MET:HE3	8	0.15
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE1	8	0.15
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE2	8	0.15
(1,4001)	1:209:A:VAL:HG23	1:213:A:MET:HE3	8	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3981)	1:150:A:TYR:HA	1:153:A:ASN:HB3	4	0.15
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	18	0.15
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE1	16	0.15
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE2	16	0.15
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE3	16	0.15
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	4	0.15
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	4	0.15
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	4	0.15
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	1	0.15
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	1	0.15
(1,3668)	1:208:A:ARG:HA	1:208:A:ARG:HD2	8	0.15
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG21	2	0.15
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG22	2	0.15
(1,3550)	1:183:A:THR:HG21	1:209:A:VAL:HG23	2	0.15
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG21	2	0.15
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG22	2	0.15
(1,3550)	1:183:A:THR:HG22	1:209:A:VAL:HG23	2	0.15
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG21	2	0.15
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG22	2	0.15
(1,3550)	1:183:A:THR:HG23	1:209:A:VAL:HG23	2	0.15
(1,3338)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	20	0.15
(1,3338)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	20	0.15
(1,3314)	1:125:A:LEU:HA	1:126:A:GLY:HA2	19	0.15
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	1	0.15
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	1	0.15
(1,3292)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	1	0.15
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	1	0.15
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	1	0.15
(1,3292)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	1	0.15
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	1	0.15
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	1	0.15
(1,3292)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	1	0.15
(1,3290)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	19	0.15
(1,3290)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	19	0.15
(1,3290)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	19	0.15
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	9	0.15
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	9	0.15
(1,3268)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	9	0.15
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	9	0.15
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	9	0.15
(1,3268)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	9	0.15
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	9	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	9	0.15
(1,3268)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	9	0.15
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	9	0.15
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	9	0.15
(1,3257)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	9	0.15
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG21	5	0.15
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG22	5	0.15
(1,3243)	1:206:A:MET:HA	1:210:A:VAL:HG23	5	0.15
(1,3200)	1:181:A:ASN:HD21	1:185:A:LYS:HG3	20	0.15
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	2	0.15
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	2	0.15
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	18	0.15
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	18	0.15
(1,3043)	1:166:A:VAL:HG21	1:169:A:TYR:HE1	20	0.15
(1,3043)	1:166:A:VAL:HG21	1:169:A:TYR:HE2	20	0.15
(1,3043)	1:166:A:VAL:HG22	1:169:A:TYR:HE1	20	0.15
(1,3043)	1:166:A:VAL:HG22	1:169:A:TYR:HE2	20	0.15
(1,3043)	1:166:A:VAL:HG23	1:169:A:TYR:HE1	20	0.15
(1,3043)	1:166:A:VAL:HG23	1:169:A:TYR:HE2	20	0.15
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	13	0.15
(1,3000)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	5	0.15
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	5	0.15
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	5	0.15
(1,2762)	1:228:A:GLY:H	1:229:A:ARG:HB2	4	0.15
(1,2726)	1:136:A:ARG:HB2	1:159:A:ASN:HD21	18	0.15
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	8	0.15
(1,2645)	1:223:A:GLN:HE21	1:226:A:TYR:H	15	0.15
(1,2619)	1:171:A:ASN:HD22	1:174:A:ASN:HD21	1	0.15
(1,2618)	1:171:A:ASN:HD22	1:173:A:ASN:H	10	0.15
(1,2604)	1:217:A:GLN:HE21	1:220:A:LYS:HB3	5	0.15
(1,2600)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	1	0.15
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	16	0.15
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	16	0.15
(1,2517)	1:210:A:VAL:HG11	1:212:A:GLN:H	3	0.15
(1,2517)	1:210:A:VAL:HG12	1:212:A:GLN:H	3	0.15
(1,2517)	1:210:A:VAL:HG13	1:212:A:GLN:H	3	0.15
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	13	0.15
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	2	0.15
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	3	0.15
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	4	0.15
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	16	0.15
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	16	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	16	0.15
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	16	0.15
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	8	0.15
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	18	0.15
(1,1726)	1:199:A:THR:HG21	1:200:A:GLU:HB2	10	0.15
(1,1726)	1:199:A:THR:HG22	1:200:A:GLU:HB2	10	0.15
(1,1726)	1:199:A:THR:HG23	1:200:A:GLU:HB2	10	0.15
(1,1685)	1:220:A:LYS:HG2	1:220:A:LYS:HD2	20	0.15
(1,1685)	1:220:A:LYS:HG2	1:220:A:LYS:HD3	20	0.15
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	3	0.15
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	12	0.15
(1,1674)	1:183:A:THR:HG21	1:184:A:ILE:HG13	10	0.15
(1,1674)	1:183:A:THR:HG22	1:184:A:ILE:HG13	10	0.15
(1,1674)	1:183:A:THR:HG23	1:184:A:ILE:HG13	10	0.15
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	14	0.15
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	14	0.15
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	14	0.15
(1,1453)	1:213:A:MET:H	1:213:A:MET:HG2	14	0.15
(1,1444)	1:196:A:GLU:HA	1:196:A:GLU:HG3	4	0.15
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	12	0.15
(1,1234)	1:196:A:GLU:H	1:196:A:GLU:HG3	6	0.15
(1,1188)	1:211:A:GLU:H	1:211:A:GLU:HG2	9	0.15
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG21	4	0.15
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG22	4	0.15
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG23	4	0.15
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	9	0.15
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	11	0.15
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	15	0.15
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	16	0.15
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	4	0.15
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	18	0.15
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	1	0.15
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	2	0.15
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	3	0.15
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	14	0.15
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	20	0.15
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE1	8	0.15
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE2	8	0.15
(1,832)	1:209:A:VAL:HG21	1:213:A:MET:HE3	8	0.15
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE1	8	0.15
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE2	8	0.15
(1,832)	1:209:A:VAL:HG22	1:213:A:MET:HE3	8	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE1	8	0.15
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE2	8	0.15
(1,832)	1:209:A:VAL:HG23	1:213:A:MET:HE3	8	0.15
(1,812)	1:150:A:TYR:HA	1:153:A:ASN:HB3	4	0.15
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	18	0.15
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE1	16	0.15
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE2	16	0.15
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE3	16	0.15
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	4	0.15
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	4	0.15
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	4	0.15
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	1	0.15
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	1	0.15
(1,499)	1:208:A:ARG:HA	1:208:A:ARG:HD2	8	0.15
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG21	2	0.15
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG22	2	0.15
(1,381)	1:183:A:THR:HG21	1:209:A:VAL:HG23	2	0.15
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG21	2	0.15
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG22	2	0.15
(1,381)	1:183:A:THR:HG22	1:209:A:VAL:HG23	2	0.15
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG21	2	0.15
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG22	2	0.15
(1,381)	1:183:A:THR:HG23	1:209:A:VAL:HG23	2	0.15
(1,169)	1:228:A:GLY:HA2	1:230:A:ARG:HB3	20	0.15
(1,169)	1:228:A:GLY:HA3	1:230:A:ARG:HB3	20	0.15
(1,145)	1:125:A:LEU:HA	1:126:A:GLY:HA2	19	0.15
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD21	1	0.15
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD22	1	0.15
(1,123)	1:122:A:VAL:HG11	1:125:A:LEU:HD23	1	0.15
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD21	1	0.15
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD22	1	0.15
(1,123)	1:122:A:VAL:HG12	1:125:A:LEU:HD23	1	0.15
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD21	1	0.15
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD22	1	0.15
(1,123)	1:122:A:VAL:HG13	1:125:A:LEU:HD23	1	0.15
(1,121)	1:125:A:LEU:HD21	1:162:A:TYR:HB2	19	0.15
(1,121)	1:125:A:LEU:HD22	1:162:A:TYR:HB2	19	0.15
(1,121)	1:125:A:LEU:HD23	1:162:A:TYR:HB2	19	0.15
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG11	9	0.15
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG12	9	0.15
(1,99)	1:139:A:ILE:HD11	1:209:A:VAL:HG13	9	0.15
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG11	9	0.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG12	9	0.15
(1,99)	1:139:A:ILE:HD12	1:209:A:VAL:HG13	9	0.15
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG11	9	0.15
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG12	9	0.15
(1,99)	1:139:A:ILE:HD13	1:209:A:VAL:HG13	9	0.15
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG11	9	0.15
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG12	9	0.15
(1,88)	1:137:A:PRO:HD3	1:209:A:VAL:HG13	9	0.15
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG21	5	0.15
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG22	5	0.15
(1,74)	1:206:A:MET:HA	1:210:A:VAL:HG23	5	0.15
(1,31)	1:181:A:ASN:HD21	1:185:A:LYS:HG3	20	0.15
(1,6284)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	3	0.14
(1,6284)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	3	0.14
(1,6284)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	10	0.14
(1,6284)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	10	0.14
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	9	0.14
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	12	0.14
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	15	0.14
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	15	0.14
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	15	0.14
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	15	0.14
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	15	0.14
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	15	0.14
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	13	0.14
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	13	0.14
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	13	0.14
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	13	0.14
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	13	0.14
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	13	0.14
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	20	0.14
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	20	0.14
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	20	0.14
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	20	0.14
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	20	0.14
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	20	0.14
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	7	0.14
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	7	0.14
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	8	0.14
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	8	0.14
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	10	0.14
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	10	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	19	0.14
(1,5767)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	19	0.14
(1,5762)	1:159:A:ASN:HB3	1:160:A:GLN:H	4	0.14
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	10	0.14
(1,5576)	1:221:A:GLU:H	1:221:A:GLU:HG3	17	0.14
(1,5528)	1:153:A:ASN:HB3	1:154:A:MET:H	11	0.14
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	12	0.14
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	10	0.14
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	12	0.14
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	17	0.14
(1,5088)	1:153:A:ASN:HB2	1:156:A:ARG:HE	14	0.14
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	7	0.14
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	1	0.14
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	1	0.14
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	1	0.14
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	18	0.14
(1,4899)	1:194:A:LYS:HB2	1:194:A:LYS:HD2	16	0.14
(1,4899)	1:194:A:LYS:HB2	1:194:A:LYS:HD3	16	0.14
(1,4869)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	18	0.14
(1,4869)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	18	0.14
(1,4828)	1:139:A:ILE:HB	1:208:A:ARG:HB2	6	0.14
(1,4752)	1:134:A:MET:HG3	1:160:A:GLN:HA	11	0.14
(1,4742)	1:133:A:ALA:HA	1:134:A:MET:HG3	14	0.14
(1,4742)	1:133:A:ALA:HA	1:134:A:MET:HG3	20	0.14
(1,4690)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	4	0.14
(1,4690)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	4	0.14
(1,4690)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	4	0.14
(1,4623)	1:137:A:PRO:HD2	1:213:A:MET:HG2	6	0.14
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	15	0.14
(1,4538)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	15	0.14
(1,4482)	1:125:A:LEU:HD11	1:182:A:ILE:HD11	10	0.14
(1,4482)	1:125:A:LEU:HD11	1:182:A:ILE:HD12	10	0.14
(1,4482)	1:125:A:LEU:HD11	1:182:A:ILE:HD13	10	0.14
(1,4482)	1:125:A:LEU:HD12	1:182:A:ILE:HD11	10	0.14
(1,4482)	1:125:A:LEU:HD12	1:182:A:ILE:HD12	10	0.14
(1,4482)	1:125:A:LEU:HD12	1:182:A:ILE:HD13	10	0.14
(1,4482)	1:125:A:LEU:HD13	1:182:A:ILE:HD11	10	0.14
(1,4482)	1:125:A:LEU:HD13	1:182:A:ILE:HD12	10	0.14
(1,4482)	1:125:A:LEU:HD13	1:182:A:ILE:HD13	10	0.14
(1,4175)	1:137:A:PRO:HD2	1:213:A:MET:HA	15	0.14
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	8	0.14
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	10	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	15	0.14
(1,3979)	1:149:A:TYR:HB2	1:150:A:TYR:HA	14	0.14
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	12	0.14
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	12	0.14
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	12	0.14
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	12	0.14
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	12	0.14
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	12	0.14
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	12	0.14
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	12	0.14
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	12	0.14
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	15	0.14
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	15	0.14
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	15	0.14
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	15	0.14
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	15	0.14
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	15	0.14
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	15	0.14
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	15	0.14
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	15	0.14
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE1	20	0.14
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE2	20	0.14
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE3	20	0.14
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG11	7	0.14
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG12	7	0.14
(1,3816)	1:120:A:SER:HB2	1:121:A:VAL:HG13	7	0.14
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG11	7	0.14
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG12	7	0.14
(1,3816)	1:120:A:SER:HB3	1:121:A:VAL:HG13	7	0.14
(1,3722)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	1	0.14
(1,3722)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	1	0.14
(1,3722)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	1	0.14
(1,3672)	1:141:A:PHE:HA	1:208:A:ARG:HD3	17	0.14
(1,3623)	1:164:A:ARG:HD3	1:165:A:PRO:HD3	2	0.14
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	7	0.14
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	7	0.14
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	7	0.14
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	7	0.14
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	7	0.14
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	7	0.14
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	7	0.14
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	7	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	7	0.14
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG21	20	0.14
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG22	20	0.14
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG23	20	0.14
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG21	20	0.14
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG22	20	0.14
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG23	20	0.14
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG21	20	0.14
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG22	20	0.14
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG23	20	0.14
(1,3494)	1:191:A:THR:HG21	1:198:A:PHE:HD1	15	0.14
(1,3494)	1:191:A:THR:HG21	1:198:A:PHE:HD2	15	0.14
(1,3494)	1:191:A:THR:HG22	1:198:A:PHE:HD1	15	0.14
(1,3494)	1:191:A:THR:HG22	1:198:A:PHE:HD2	15	0.14
(1,3494)	1:191:A:THR:HG23	1:198:A:PHE:HD1	15	0.14
(1,3494)	1:191:A:THR:HG23	1:198:A:PHE:HD2	15	0.14
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	7	0.14
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	7	0.14
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	7	0.14
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	7	0.14
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	7	0.14
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	7	0.14
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	7	0.14
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	7	0.14
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	7	0.14
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG21	19	0.14
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG22	19	0.14
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG23	19	0.14
(1,3383)	1:215:A:VAL:HG21	1:216:A:THR:HB	20	0.14
(1,3383)	1:215:A:VAL:HG22	1:216:A:THR:HB	20	0.14
(1,3383)	1:215:A:VAL:HG23	1:216:A:THR:HB	20	0.14
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG11	1	0.14
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG12	1	0.14
(1,3274)	1:212:A:GLN:HA	1:215:A:VAL:HG13	1	0.14
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	19	0.14
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	19	0.14
(1,3259)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	19	0.14
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE1	5	0.14
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE2	5	0.14
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE3	5	0.14
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE1	5	0.14
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE2	5	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE3	5	0.14
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE1	5	0.14
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE2	5	0.14
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE3	5	0.14
(1,3214)	1:184:A:ILE:H	1:210:A:VAL:HG11	9	0.14
(1,3214)	1:184:A:ILE:H	1:210:A:VAL:HG12	9	0.14
(1,3214)	1:184:A:ILE:H	1:210:A:VAL:HG13	9	0.14
(1,3115)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	3	0.14
(1,3115)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	3	0.14
(1,3115)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	10	0.14
(1,3115)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	10	0.14
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	9	0.14
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	12	0.14
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	15	0.14
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	15	0.14
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	15	0.14
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	15	0.14
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	15	0.14
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	15	0.14
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	13	0.14
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	13	0.14
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	13	0.14
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	13	0.14
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	13	0.14
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	13	0.14
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	20	0.14
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	20	0.14
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	20	0.14
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	20	0.14
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	20	0.14
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	20	0.14
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	7	0.14
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	7	0.14
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	8	0.14
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	8	0.14
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	10	0.14
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	10	0.14
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE2	19	0.14
(1,2598)	1:217:A:GLN:HE21	1:220:A:LYS:HE3	19	0.14
(1,2593)	1:159:A:ASN:HB3	1:160:A:GLN:H	4	0.14
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	10	0.14
(1,2407)	1:221:A:GLU:H	1:221:A:GLU:HG3	17	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2359)	1:153:A:ASN:HB3	1:154:A:MET:H	11	0.14
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	12	0.14
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	10	0.14
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	12	0.14
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	17	0.14
(1,1919)	1:153:A:ASN:HB2	1:156:A:ARG:HE	14	0.14
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	7	0.14
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	1	0.14
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	1	0.14
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	1	0.14
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	18	0.14
(1,1730)	1:194:A:LYS:HB2	1:194:A:LYS:HD2	16	0.14
(1,1730)	1:194:A:LYS:HB2	1:194:A:LYS:HD3	16	0.14
(1,1700)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	18	0.14
(1,1700)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	18	0.14
(1,1659)	1:139:A:ILE:HB	1:208:A:ARG:HB2	6	0.14
(1,1583)	1:134:A:MET:HG3	1:160:A:GLN:HA	11	0.14
(1,1573)	1:133:A:ALA:HA	1:134:A:MET:HG3	14	0.14
(1,1573)	1:133:A:ALA:HA	1:134:A:MET:HG3	20	0.14
(1,1521)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	4	0.14
(1,1521)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	4	0.14
(1,1521)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	4	0.14
(1,1454)	1:137:A:PRO:HD2	1:213:A:MET:HG2	6	0.14
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB2	15	0.14
(1,1369)	1:223:A:GLN:HG3	1:227:A:ASP:HB3	15	0.14
(1,1313)	1:125:A:LEU:HD11	1:182:A:ILE:HD11	10	0.14
(1,1313)	1:125:A:LEU:HD11	1:182:A:ILE:HD12	10	0.14
(1,1313)	1:125:A:LEU:HD11	1:182:A:ILE:HD13	10	0.14
(1,1313)	1:125:A:LEU:HD12	1:182:A:ILE:HD11	10	0.14
(1,1313)	1:125:A:LEU:HD12	1:182:A:ILE:HD12	10	0.14
(1,1313)	1:125:A:LEU:HD12	1:182:A:ILE:HD13	10	0.14
(1,1313)	1:125:A:LEU:HD13	1:182:A:ILE:HD11	10	0.14
(1,1313)	1:125:A:LEU:HD13	1:182:A:ILE:HD12	10	0.14
(1,1313)	1:125:A:LEU:HD13	1:182:A:ILE:HD13	10	0.14
(1,1006)	1:137:A:PRO:HD2	1:213:A:MET:HA	15	0.14
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	8	0.14
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	10	0.14
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	15	0.14
(1,810)	1:149:A:TYR:HB2	1:150:A:TYR:HA	14	0.14
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	12	0.14
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	12	0.14
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	12	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	12	0.14
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	12	0.14
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	12	0.14
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	12	0.14
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	12	0.14
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	12	0.14
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	15	0.14
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	15	0.14
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	15	0.14
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	15	0.14
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	15	0.14
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	15	0.14
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	15	0.14
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	15	0.14
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	15	0.14
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE1	20	0.14
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE2	20	0.14
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE3	20	0.14
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG11	7	0.14
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG12	7	0.14
(1,647)	1:120:A:SER:HB2	1:121:A:VAL:HG13	7	0.14
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG11	7	0.14
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG12	7	0.14
(1,647)	1:120:A:SER:HB3	1:121:A:VAL:HG13	7	0.14
(1,553)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	1	0.14
(1,553)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	1	0.14
(1,553)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	1	0.14
(1,503)	1:141:A:PHE:HA	1:208:A:ARG:HD3	17	0.14
(1,454)	1:164:A:ARG:HD3	1:165:A:PRO:HD3	2	0.14
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	7	0.14
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	7	0.14
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	7	0.14
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	7	0.14
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	7	0.14
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	7	0.14
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	7	0.14
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	7	0.14
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	7	0.14
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG21	20	0.14
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG22	20	0.14
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG23	20	0.14
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG21	20	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG22	20	0.14
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG23	20	0.14
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG21	20	0.14
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG22	20	0.14
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG23	20	0.14
(1,325)	1:191:A:THR:HG21	1:198:A:PHE:HD1	15	0.14
(1,325)	1:191:A:THR:HG21	1:198:A:PHE:HD2	15	0.14
(1,325)	1:191:A:THR:HG22	1:198:A:PHE:HD1	15	0.14
(1,325)	1:191:A:THR:HG22	1:198:A:PHE:HD2	15	0.14
(1,325)	1:191:A:THR:HG23	1:198:A:PHE:HD1	15	0.14
(1,325)	1:191:A:THR:HG23	1:198:A:PHE:HD2	15	0.14
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	7	0.14
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	7	0.14
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	7	0.14
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	7	0.14
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	7	0.14
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	7	0.14
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	7	0.14
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	7	0.14
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	7	0.14
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG21	19	0.14
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG22	19	0.14
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG23	19	0.14
(1,214)	1:215:A:VAL:HG21	1:216:A:THR:HB	20	0.14
(1,214)	1:215:A:VAL:HG22	1:216:A:THR:HB	20	0.14
(1,214)	1:215:A:VAL:HG23	1:216:A:THR:HB	20	0.14
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG11	1	0.14
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG12	1	0.14
(1,105)	1:212:A:GLN:HA	1:215:A:VAL:HG13	1	0.14
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG11	19	0.14
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG12	19	0.14
(1,90)	1:137:A:PRO:HD2	1:209:A:VAL:HG13	19	0.14
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE1	5	0.14
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE2	5	0.14
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE3	5	0.14
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE1	5	0.14
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE2	5	0.14
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE3	5	0.14
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE1	5	0.14
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE2	5	0.14
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE3	5	0.14
(1,45)	1:184:A:ILE:H	1:210:A:VAL:HG11	9	0.14

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:184:A:ILE:H	1:210:A:VAL:HG12	9	0.14
(1,45)	1:184:A:ILE:H	1:210:A:VAL:HG13	9	0.14
(1,6337)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	19	0.13
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE1	16	0.13
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE2	16	0.13
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE3	16	0.13
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE1	16	0.13
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE2	16	0.13
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE3	16	0.13
(1,6298)	1:167:A:ASP:HB2	1:225:A:TYR:HE1	11	0.13
(1,6298)	1:167:A:ASP:HB2	1:225:A:TYR:HE2	11	0.13
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	18	0.13
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	18	0.13
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	18	0.13
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	18	0.13
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	18	0.13
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	18	0.13
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE1	15	0.13
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE2	15	0.13
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE3	15	0.13
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE1	15	0.13
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE2	15	0.13
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE3	15	0.13
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	17	0.13
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	17	0.13
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	17	0.13
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	17	0.13
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	17	0.13
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	17	0.13
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	2	0.13
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	2	0.13
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	2	0.13
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	2	0.13
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	5	0.13
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	5	0.13
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	5	0.13
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	5	0.13
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	10	0.13
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	10	0.13
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	10	0.13
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	10	0.13
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	4	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	6	0.13
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	14	0.13
(1,6194)	1:145:A:TRP:HE3	1:146:A:GLU:HG2	18	0.13
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	13	0.13
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	13	0.13
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	13	0.13
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	13	0.13
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	13	0.13
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	13	0.13
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	15	0.13
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	15	0.13
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	15	0.13
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	15	0.13
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	15	0.13
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	15	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	6	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	6	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	6	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	6	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	6	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	6	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	10	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	10	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	10	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	10	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	10	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	10	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	13	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	13	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	13	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	13	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	13	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	13	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	14	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	14	0.13
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	14	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	14	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	14	0.13
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	14	0.13
(1,6007)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	18	0.13
(1,6007)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	18	0.13
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	12	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	12	0.13
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	14	0.13
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	14	0.13
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	16	0.13
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	16	0.13
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	13	0.13
(1,5964)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	13	0.13
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	13	0.13
(1,5964)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	13	0.13
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	13	0.13
(1,5964)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	13	0.13
(1,5936)	1:226:A:TYR:HB3	1:228:A:GLY:H	15	0.13
(1,5930)	1:145:A:TRP:HE1	1:146:A:GLU:HG2	18	0.13
(1,5862)	1:162:A:TYR:HB2	1:163:A:TYR:H	19	0.13
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	14	0.13
(1,5826)	1:223:A:GLN:HE22	1:225:A:TYR:H	19	0.13
(1,5769)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	13	0.13
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	6	0.13
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	13	0.13
(1,5672)	1:135:A:SER:H	1:135:A:SER:HB3	10	0.13
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	6	0.13
(1,5548)	1:162:A:TYR:HB3	1:183:A:THR:H	13	0.13
(1,5482)	1:177:A:HIS:HB3	1:178:A:ASP:H	11	0.13
(1,5402)	1:166:A:VAL:HG11	1:226:A:TYR:H	8	0.13
(1,5402)	1:166:A:VAL:HG12	1:226:A:TYR:H	8	0.13
(1,5402)	1:166:A:VAL:HG13	1:226:A:TYR:H	8	0.13
(1,5402)	1:166:A:VAL:HG21	1:226:A:TYR:H	8	0.13
(1,5402)	1:166:A:VAL:HG22	1:226:A:TYR:H	8	0.13
(1,5402)	1:166:A:VAL:HG23	1:226:A:TYR:H	8	0.13
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	5	0.13
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	14	0.13
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	18	0.13
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	19	0.13
(1,5077)	1:136:A:ARG:HE	1:159:A:ASN:HD22	20	0.13
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	5	0.13
(1,5013)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	19	0.13
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	1	0.13
(1,4842)	1:184:A:ILE:HA	1:184:A:ILE:HG13	5	0.13
(1,4842)	1:184:A:ILE:HA	1:184:A:ILE:HG13	7	0.13
(1,4842)	1:184:A:ILE:HA	1:184:A:ILE:HG13	15	0.13
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	10	0.13
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	10	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	10	0.13
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	14	0.13
(1,4790)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	14	0.13
(1,4735)	1:134:A:MET:HG2	1:161:A:VAL:HG11	15	0.13
(1,4735)	1:134:A:MET:HG2	1:161:A:VAL:HG12	15	0.13
(1,4735)	1:134:A:MET:HG2	1:161:A:VAL:HG13	15	0.13
(1,4709)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	1	0.13
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	11	0.13
(1,4637)	1:150:A:TYR:HD1	1:209:A:VAL:HB	2	0.13
(1,4637)	1:150:A:TYR:HD2	1:209:A:VAL:HB	2	0.13
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	9	0.13
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	9	0.13
(1,4533)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	9	0.13
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	10	0.13
(1,4291)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	7	0.13
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG11	13	0.13
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG12	13	0.13
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG13	13	0.13
(1,4209)	1:206:A:MET:HA	1:209:A:VAL:HB	2	0.13
(1,4137)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	15	0.13
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	19	0.13
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	7	0.13
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	7	0.13
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	7	0.13
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	7	0.13
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	7	0.13
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	7	0.13
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	7	0.13
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	7	0.13
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	7	0.13
(1,3789)	1:125:A:LEU:HD21	1:182:A:ILE:HG21	6	0.13
(1,3789)	1:125:A:LEU:HD21	1:182:A:ILE:HG22	6	0.13
(1,3789)	1:125:A:LEU:HD21	1:182:A:ILE:HG23	6	0.13
(1,3789)	1:125:A:LEU:HD22	1:182:A:ILE:HG21	6	0.13
(1,3789)	1:125:A:LEU:HD22	1:182:A:ILE:HG22	6	0.13
(1,3789)	1:125:A:LEU:HD22	1:182:A:ILE:HG23	6	0.13
(1,3789)	1:125:A:LEU:HD23	1:182:A:ILE:HG21	6	0.13
(1,3789)	1:125:A:LEU:HD23	1:182:A:ILE:HG22	6	0.13
(1,3789)	1:125:A:LEU:HD23	1:182:A:ILE:HG23	6	0.13
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	2	0.13
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	2	0.13
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	2	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	14	0.13
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	14	0.13
(1,3735)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	14	0.13
(1,3569)	1:209:A:VAL:HG21	1:213:A:MET:HG2	9	0.13
(1,3569)	1:209:A:VAL:HG22	1:213:A:MET:HG2	9	0.13
(1,3569)	1:209:A:VAL:HG23	1:213:A:MET:HG2	9	0.13
(1,3558)	1:121:A:VAL:HG21	1:122:A:VAL:H	3	0.13
(1,3558)	1:121:A:VAL:HG22	1:122:A:VAL:H	3	0.13
(1,3558)	1:121:A:VAL:HG23	1:122:A:VAL:H	3	0.13
(1,3546)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	8	0.13
(1,3546)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	8	0.13
(1,3546)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	8	0.13
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	10	0.13
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	10	0.13
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	10	0.13
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	10	0.13
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	10	0.13
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	10	0.13
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	10	0.13
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	10	0.13
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	10	0.13
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	16	0.13
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	16	0.13
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	16	0.13
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	16	0.13
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	16	0.13
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	16	0.13
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	16	0.13
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	16	0.13
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	16	0.13
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG21	14	0.13
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG22	14	0.13
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG23	14	0.13
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG21	14	0.13
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG22	14	0.13
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG23	14	0.13
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG21	14	0.13
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG22	14	0.13
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG23	14	0.13
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG21	17	0.13
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG22	17	0.13
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG23	17	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG21	4	0.13
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG22	4	0.13
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG23	4	0.13
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG21	4	0.13
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG22	4	0.13
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG23	4	0.13
(1,3492)	1:193:A:THR:HG21	1:194:A:LYS:HG3	9	0.13
(1,3492)	1:193:A:THR:HG22	1:194:A:LYS:HG3	9	0.13
(1,3492)	1:193:A:THR:HG23	1:194:A:LYS:HG3	9	0.13
(1,3482)	1:180:A:VAL:HG11	1:184:A:ILE:HG13	12	0.13
(1,3482)	1:180:A:VAL:HG12	1:184:A:ILE:HG13	12	0.13
(1,3482)	1:180:A:VAL:HG13	1:184:A:ILE:HG13	12	0.13
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	12	0.13
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	12	0.13
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	12	0.13
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	12	0.13
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	12	0.13
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	12	0.13
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	12	0.13
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	12	0.13
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	12	0.13
(1,3405)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	3	0.13
(1,3405)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	3	0.13
(1,3405)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	3	0.13
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	4	0.13
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	4	0.13
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	4	0.13
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	4	0.13
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	4	0.13
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	4	0.13
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	15	0.13
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	15	0.13
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	15	0.13
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	15	0.13
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	15	0.13
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	15	0.13
(1,3192)	1:204:A:LYS:H	1:204:A:LYS:HG3	7	0.13
(1,3187)	1:201:A:THR:HA	1:204:A:LYS:HG2	17	0.13
(1,3168)	1:140:A:HIS:HB2	1:140:A:HIS:HE1	19	0.13
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE1	16	0.13
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE2	16	0.13
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE3	16	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE1	16	0.13
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE2	16	0.13
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE3	16	0.13
(1,3129)	1:167:A:ASP:HB2	1:225:A:TYR:HE1	11	0.13
(1,3129)	1:167:A:ASP:HB2	1:225:A:TYR:HE2	11	0.13
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	18	0.13
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	18	0.13
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	18	0.13
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	18	0.13
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	18	0.13
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	18	0.13
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE1	15	0.13
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE2	15	0.13
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE3	15	0.13
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE1	15	0.13
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE2	15	0.13
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE3	15	0.13
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	17	0.13
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	17	0.13
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	17	0.13
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	17	0.13
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	17	0.13
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	17	0.13
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	2	0.13
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	2	0.13
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	2	0.13
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	2	0.13
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	5	0.13
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	5	0.13
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	5	0.13
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	5	0.13
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	10	0.13
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	10	0.13
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	10	0.13
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	10	0.13
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	4	0.13
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	6	0.13
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	14	0.13
(1,3025)	1:145:A:TRP:HE3	1:146:A:GLU:HG2	18	0.13
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	13	0.13
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	13	0.13
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	13	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	13	0.13
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	13	0.13
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	13	0.13
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	15	0.13
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	15	0.13
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	15	0.13
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	15	0.13
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	15	0.13
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	15	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	6	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	6	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	6	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	6	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	6	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	6	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	10	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	10	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	10	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	10	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	10	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	10	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	13	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	13	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	13	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	13	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	13	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	13	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	14	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	14	0.13
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	14	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	14	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	14	0.13
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	14	0.13
(1,2838)	1:155:A:TYR:HD1	1:156:A:ARG:HD2	18	0.13
(1,2838)	1:155:A:TYR:HD2	1:156:A:ARG:HD2	18	0.13
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	12	0.13
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	12	0.13
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	14	0.13
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	14	0.13
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	16	0.13
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	16	0.13
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD1	13	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2795)	1:166:A:VAL:HG21	1:169:A:TYR:HD2	13	0.13
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD1	13	0.13
(1,2795)	1:166:A:VAL:HG22	1:169:A:TYR:HD2	13	0.13
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD1	13	0.13
(1,2795)	1:166:A:VAL:HG23	1:169:A:TYR:HD2	13	0.13
(1,2767)	1:226:A:TYR:HB3	1:228:A:GLY:H	15	0.13
(1,2761)	1:145:A:TRP:HE1	1:146:A:GLU:HG2	18	0.13
(1,2693)	1:162:A:TYR:HB2	1:163:A:TYR:H	19	0.13
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	14	0.13
(1,2657)	1:223:A:GLN:HE22	1:225:A:TYR:H	19	0.13
(1,2600)	1:217:A:GLN:HE21	1:221:A:GLU:HG3	13	0.13
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	6	0.13
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	13	0.13
(1,2503)	1:135:A:SER:H	1:135:A:SER:HB3	10	0.13
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	6	0.13
(1,2379)	1:162:A:TYR:HB3	1:183:A:THR:H	13	0.13
(1,2313)	1:177:A:HIS:HB3	1:178:A:ASP:H	11	0.13
(1,2233)	1:166:A:VAL:HG11	1:226:A:TYR:H	8	0.13
(1,2233)	1:166:A:VAL:HG12	1:226:A:TYR:H	8	0.13
(1,2233)	1:166:A:VAL:HG13	1:226:A:TYR:H	8	0.13
(1,2233)	1:166:A:VAL:HG21	1:226:A:TYR:H	8	0.13
(1,2233)	1:166:A:VAL:HG22	1:226:A:TYR:H	8	0.13
(1,2233)	1:166:A:VAL:HG23	1:226:A:TYR:H	8	0.13
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	5	0.13
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	14	0.13
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	18	0.13
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	19	0.13
(1,1908)	1:136:A:ARG:HE	1:159:A:ASN:HD22	20	0.13
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	5	0.13
(1,1844)	1:164:A:ARG:HG3	1:165:A:PRO:HD3	19	0.13
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	1	0.13
(1,1673)	1:184:A:ILE:HA	1:184:A:ILE:HG13	5	0.13
(1,1673)	1:184:A:ILE:HA	1:184:A:ILE:HG13	7	0.13
(1,1673)	1:184:A:ILE:HA	1:184:A:ILE:HG13	15	0.13
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	10	0.13
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	10	0.13
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	10	0.13
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD2	14	0.13
(1,1621)	1:229:A:ARG:HB3	1:230:A:ARG:HD3	14	0.13
(1,1566)	1:134:A:MET:HG2	1:161:A:VAL:HG11	15	0.13
(1,1566)	1:134:A:MET:HG2	1:161:A:VAL:HG12	15	0.13
(1,1566)	1:134:A:MET:HG2	1:161:A:VAL:HG13	15	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1540)	1:137:A:PRO:HB3	1:212:A:GLN:HG3	1	0.13
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	11	0.13
(1,1468)	1:150:A:TYR:HD1	1:209:A:VAL:HB	2	0.13
(1,1468)	1:150:A:TYR:HD2	1:209:A:VAL:HB	2	0.13
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG11	9	0.13
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG12	9	0.13
(1,1364)	1:212:A:GLN:HG2	1:215:A:VAL:HG13	9	0.13
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	10	0.13
(1,1122)	1:217:A:GLN:HE22	1:221:A:GLU:HG3	7	0.13
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG11	13	0.13
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG12	13	0.13
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG13	13	0.13
(1,1040)	1:206:A:MET:HA	1:209:A:VAL:HB	2	0.13
(1,968)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	15	0.13
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	19	0.13
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	7	0.13
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	7	0.13
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	7	0.13
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	7	0.13
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	7	0.13
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	7	0.13
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	7	0.13
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	7	0.13
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	7	0.13
(1,620)	1:125:A:LEU:HD21	1:182:A:ILE:HG21	6	0.13
(1,620)	1:125:A:LEU:HD21	1:182:A:ILE:HG22	6	0.13
(1,620)	1:125:A:LEU:HD21	1:182:A:ILE:HG23	6	0.13
(1,620)	1:125:A:LEU:HD22	1:182:A:ILE:HG21	6	0.13
(1,620)	1:125:A:LEU:HD22	1:182:A:ILE:HG22	6	0.13
(1,620)	1:125:A:LEU:HD22	1:182:A:ILE:HG23	6	0.13
(1,620)	1:125:A:LEU:HD23	1:182:A:ILE:HG21	6	0.13
(1,620)	1:125:A:LEU:HD23	1:182:A:ILE:HG22	6	0.13
(1,620)	1:125:A:LEU:HD23	1:182:A:ILE:HG23	6	0.13
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	2	0.13
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	2	0.13
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	2	0.13
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG11	14	0.13
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG12	14	0.13
(1,566)	1:202:A:ASP:HB2	1:203:A:VAL:HG13	14	0.13
(1,400)	1:209:A:VAL:HG21	1:213:A:MET:HG2	9	0.13
(1,400)	1:209:A:VAL:HG22	1:213:A:MET:HG2	9	0.13
(1,400)	1:209:A:VAL:HG23	1:213:A:MET:HG2	9	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:121:A:VAL:HG21	1:122:A:VAL:H	3	0.13
(1,389)	1:121:A:VAL:HG22	1:122:A:VAL:H	3	0.13
(1,389)	1:121:A:VAL:HG23	1:122:A:VAL:H	3	0.13
(1,377)	1:215:A:VAL:HG21	1:219:A:GLN:HG2	8	0.13
(1,377)	1:215:A:VAL:HG22	1:219:A:GLN:HG2	8	0.13
(1,377)	1:215:A:VAL:HG23	1:219:A:GLN:HG2	8	0.13
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	10	0.13
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	10	0.13
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	10	0.13
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	10	0.13
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	10	0.13
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	10	0.13
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	10	0.13
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	10	0.13
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	10	0.13
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	16	0.13
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	16	0.13
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	16	0.13
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	16	0.13
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	16	0.13
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	16	0.13
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	16	0.13
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	16	0.13
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	16	0.13
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG21	14	0.13
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG22	14	0.13
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG23	14	0.13
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG21	14	0.13
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG22	14	0.13
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG23	14	0.13
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG21	14	0.13
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG22	14	0.13
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG23	14	0.13
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG21	17	0.13
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG22	17	0.13
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG23	17	0.13
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG21	4	0.13
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG22	4	0.13
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG23	4	0.13
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG21	4	0.13
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG22	4	0.13
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG23	4	0.13

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:193:A:THR:HG21	1:194:A:LYS:HG3	9	0.13
(1,323)	1:193:A:THR:HG22	1:194:A:LYS:HG3	9	0.13
(1,323)	1:193:A:THR:HG23	1:194:A:LYS:HG3	9	0.13
(1,313)	1:180:A:VAL:HG11	1:184:A:ILE:HG13	12	0.13
(1,313)	1:180:A:VAL:HG12	1:184:A:ILE:HG13	12	0.13
(1,313)	1:180:A:VAL:HG13	1:184:A:ILE:HG13	12	0.13
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	12	0.13
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	12	0.13
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	12	0.13
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	12	0.13
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	12	0.13
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	12	0.13
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	12	0.13
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	12	0.13
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	12	0.13
(1,236)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	3	0.13
(1,236)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	3	0.13
(1,236)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	3	0.13
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	4	0.13
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	4	0.13
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	4	0.13
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	4	0.13
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	4	0.13
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	4	0.13
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	15	0.13
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	15	0.13
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	15	0.13
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	15	0.13
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	15	0.13
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	15	0.13
(1,23)	1:204:A:LYS:H	1:204:A:LYS:HG3	7	0.13
(1,18)	1:201:A:THR:HA	1:204:A:LYS:HG2	17	0.13
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	16	0.12
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	16	0.12
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	16	0.12
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	16	0.12
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	16	0.12
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	16	0.12
(1,6284)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	1	0.12
(1,6284)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	1	0.12
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE1	18	0.12
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE2	18	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE3	18	0.12
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE1	18	0.12
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE2	18	0.12
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE3	18	0.12
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE1	20	0.12
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE2	20	0.12
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE3	20	0.12
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE1	20	0.12
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE2	20	0.12
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE3	20	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	11	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	11	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	11	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	11	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	11	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	11	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	12	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	12	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	12	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	12	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	12	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	12	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	18	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	18	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	18	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	18	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	18	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	18	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	20	0.12
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	20	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	20	0.12
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	20	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	20	0.12
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	20	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	4	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	4	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	4	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	4	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	6	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	6	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	6	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	6	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	7	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	7	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	7	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	7	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	11	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	11	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	11	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	11	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	12	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	12	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	12	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	12	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	13	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	13	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	13	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	13	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	17	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	17	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	17	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	17	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	18	0.12
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	18	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	18	0.12
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	18	0.12
(1,6208)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	3	0.12
(1,6202)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	2	0.12
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	2	0.12
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	7	0.12
(1,6169)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	1	0.12
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	8	0.12
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	8	0.12
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	8	0.12
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	8	0.12
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	8	0.12
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	8	0.12
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	8	0.12
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	8	0.12
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	8	0.12
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	8	0.12
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	8	0.12
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	8	0.12
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	17	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	17	0.12
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	17	0.12
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	17	0.12
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	17	0.12
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	17	0.12
(1,6111)	1:196:A:GLU:HB2	1:198:A:PHE:HD1	13	0.12
(1,6111)	1:196:A:GLU:HB2	1:198:A:PHE:HD2	13	0.12
(1,6111)	1:196:A:GLU:HB3	1:198:A:PHE:HD1	13	0.12
(1,6111)	1:196:A:GLU:HB3	1:198:A:PHE:HD2	13	0.12
(1,6077)	1:175:A:PHE:HE1	1:179:A:CYS:HA	13	0.12
(1,6077)	1:175:A:PHE:HE2	1:179:A:CYS:HA	13	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	2	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	2	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	2	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	2	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	2	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	2	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	5	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	5	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	5	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	5	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	5	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	5	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	7	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	7	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	7	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	7	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	7	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	7	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	9	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	9	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	9	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	9	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	9	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	9	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	20	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	20	0.12
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	20	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	20	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	20	0.12
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	20	0.12
(1,5766)	1:130:A:LEU:HD11	1:160:A:GLN:H	9	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5766)	1:130:A:LEU:HD12	1:160:A:GLN:H	9	0.12
(1,5766)	1:130:A:LEU:HD13	1:160:A:GLN:H	9	0.12
(1,5764)	1:160:A:GLN:H	1:160:A:GLN:HB3	16	0.12
(1,5762)	1:159:A:ASN:HB3	1:160:A:GLN:H	20	0.12
(1,5661)	1:200:A:GLU:HB2	1:201:A:THR:H	8	0.12
(1,5528)	1:153:A:ASN:HB3	1:154:A:MET:H	1	0.12
(1,5444)	1:166:A:VAL:H	1:221:A:GLU:HG2	9	0.12
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	1	0.12
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	6	0.12
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	16	0.12
(1,5371)	1:229:A:ARG:H	1:229:A:ARG:HB2	20	0.12
(1,5312)	1:149:A:TYR:HB2	1:150:A:TYR:H	8	0.12
(1,5237)	1:129:A:MET:H	1:165:A:PRO:HD2	16	0.12
(1,5212)	1:134:A:MET:H	1:159:A:ASN:HB2	2	0.12
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	8	0.12
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	15	0.12
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	12	0.12
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	12	0.12
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	12	0.12
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	12	0.12
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	10	0.12
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	10	0.12
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	10	0.12
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	2	0.12
(1,4944)	1:165:A:PRO:HG3	1:166:A:VAL:H	16	0.12
(1,4845)	1:146:A:GLU:HB2	1:150:A:TYR:H	16	0.12
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	18	0.12
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	18	0.12
(1,4833)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	18	0.12
(1,4802)	1:196:A:GLU:HB2	1:197:A:ASN:HB3	6	0.12
(1,4802)	1:196:A:GLU:HB3	1:197:A:ASN:HB3	6	0.12
(1,4741)	1:134:A:MET:HA	1:134:A:MET:HG3	2	0.12
(1,4741)	1:134:A:MET:HA	1:134:A:MET:HG3	19	0.12
(1,4682)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	16	0.12
(1,4545)	1:223:A:GLN:HG3	1:224:A:ALA:HB1	13	0.12
(1,4545)	1:223:A:GLN:HG3	1:224:A:ALA:HB2	13	0.12
(1,4545)	1:223:A:GLN:HG3	1:224:A:ALA:HB3	13	0.12
(1,4414)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	14	0.12
(1,4414)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	14	0.12
(1,4414)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	14	0.12
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	6	0.12
(1,4289)	1:218:A:TYR:HB2	1:219:A:GLN:HA	8	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG11	5	0.12
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG12	5	0.12
(1,4230)	1:205:A:MET:HA	1:209:A:VAL:HG13	5	0.12
(1,4183)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	6	0.12
(1,4183)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	6	0.12
(1,4183)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	6	0.12
(1,4137)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	3	0.12
(1,4137)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	5	0.12
(1,4137)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	13	0.12
(1,4134)	1:172:A:GLN:H	1:173:A:ASN:HB3	17	0.12
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE1	17	0.12
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE2	17	0.12
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE3	17	0.12
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE1	17	0.12
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE2	17	0.12
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE3	17	0.12
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE1	17	0.12
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE2	17	0.12
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE3	17	0.12
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	19	0.12
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	19	0.12
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	19	0.12
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	19	0.12
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	19	0.12
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	19	0.12
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	19	0.12
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	19	0.12
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	19	0.12
(1,3766)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	17	0.12
(1,3766)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	17	0.12
(1,3766)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	17	0.12
(1,3722)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	9	0.12
(1,3722)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	9	0.12
(1,3722)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	9	0.12
(1,3692)	1:193:A:THR:HG21	1:194:A:LYS:HE2	11	0.12
(1,3692)	1:193:A:THR:HG21	1:194:A:LYS:HE3	11	0.12
(1,3692)	1:193:A:THR:HG22	1:194:A:LYS:HE2	11	0.12
(1,3692)	1:193:A:THR:HG22	1:194:A:LYS:HE3	11	0.12
(1,3692)	1:193:A:THR:HG23	1:194:A:LYS:HE2	11	0.12
(1,3692)	1:193:A:THR:HG23	1:194:A:LYS:HE3	11	0.12
(1,3692)	1:193:A:THR:HG21	1:194:A:LYS:HE2	14	0.12
(1,3692)	1:193:A:THR:HG21	1:194:A:LYS:HE3	14	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3692)	1:193:A:THR:HG22	1:194:A:LYS:HE2	14	0.12
(1,3692)	1:193:A:THR:HG22	1:194:A:LYS:HE3	14	0.12
(1,3692)	1:193:A:THR:HG23	1:194:A:LYS:HE2	14	0.12
(1,3692)	1:193:A:THR:HG23	1:194:A:LYS:HE3	14	0.12
(1,3668)	1:208:A:ARG:HA	1:208:A:ARG:HD2	19	0.12
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	8	0.12
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	8	0.12
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	8	0.12
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG21	10	0.12
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG22	10	0.12
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG23	10	0.12
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG21	10	0.12
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG22	10	0.12
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG23	10	0.12
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG21	10	0.12
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG22	10	0.12
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG23	10	0.12
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG21	13	0.12
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG22	13	0.12
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG23	13	0.12
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG21	13	0.12
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG22	13	0.12
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG23	13	0.12
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG21	13	0.12
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG22	13	0.12
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG23	13	0.12
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	20	0.12
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	20	0.12
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	20	0.12
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	20	0.12
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	20	0.12
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	20	0.12
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	20	0.12
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	20	0.12
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	20	0.12
(1,3558)	1:121:A:VAL:HG21	1:122:A:VAL:H	15	0.12
(1,3558)	1:121:A:VAL:HG22	1:122:A:VAL:H	15	0.12
(1,3558)	1:121:A:VAL:HG23	1:122:A:VAL:H	15	0.12
(1,3553)	1:185:A:LYS:HD2	1:189:A:VAL:HG11	12	0.12
(1,3553)	1:185:A:LYS:HD2	1:189:A:VAL:HG12	12	0.12
(1,3553)	1:185:A:LYS:HD2	1:189:A:VAL:HG13	12	0.12
(1,3553)	1:185:A:LYS:HD3	1:189:A:VAL:HG11	12	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3553)	1:185:A:LYS:HD3	1:189:A:VAL:HG12	12	0.12
(1,3553)	1:185:A:LYS:HD3	1:189:A:VAL:HG13	12	0.12
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	8	0.12
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	8	0.12
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	8	0.12
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	18	0.12
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	18	0.12
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	18	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	5	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	5	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	5	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	5	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	5	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	5	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	5	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	5	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	5	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	9	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	9	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	9	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	9	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	9	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	9	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	9	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	9	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	9	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	15	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	15	0.12
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	15	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	15	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	15	0.12
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	15	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	15	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	15	0.12
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	15	0.12
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG21	15	0.12
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG22	15	0.12
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG23	15	0.12
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	8	0.12
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	8	0.12
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	8	0.12
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	8	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	8	0.12
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	8	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG21	2	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG22	2	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG23	2	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG21	2	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG22	2	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG23	2	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG21	12	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG22	12	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG23	12	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG21	12	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG22	12	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG23	12	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG21	14	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG22	14	0.12
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG23	14	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG21	14	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG22	14	0.12
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG23	14	0.12
(1,3487)	1:166:A:VAL:HG21	1:167:A:ASP:HA	7	0.12
(1,3487)	1:166:A:VAL:HG22	1:167:A:ASP:HA	7	0.12
(1,3487)	1:166:A:VAL:HG23	1:167:A:ASP:HA	7	0.12
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	15	0.12
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	15	0.12
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	15	0.12
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	15	0.12
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	15	0.12
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	15	0.12
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	15	0.12
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	15	0.12
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	15	0.12
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	20	0.12
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	20	0.12
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	20	0.12
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	20	0.12
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	20	0.12
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	20	0.12
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	20	0.12
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	20	0.12
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	20	0.12
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG11	18	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG12	18	0.12
(1,3361)	1:202:A:ASP:H	1:203:A:VAL:HG13	18	0.12
(1,3346)	1:162:A:TYR:HB3	1:183:A:THR:HA	4	0.12
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	18	0.12
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	18	0.12
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	18	0.12
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	18	0.12
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	18	0.12
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	18	0.12
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	10	0.12
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	10	0.12
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	10	0.12
(1,3192)	1:204:A:LYS:H	1:204:A:LYS:HG3	5	0.12
(1,3184)	1:130:A:LEU:HD21	1:133:A:ALA:HB1	20	0.12
(1,3184)	1:130:A:LEU:HD21	1:133:A:ALA:HB2	20	0.12
(1,3184)	1:130:A:LEU:HD21	1:133:A:ALA:HB3	20	0.12
(1,3184)	1:130:A:LEU:HD22	1:133:A:ALA:HB1	20	0.12
(1,3184)	1:130:A:LEU:HD22	1:133:A:ALA:HB2	20	0.12
(1,3184)	1:130:A:LEU:HD22	1:133:A:ALA:HB3	20	0.12
(1,3184)	1:130:A:LEU:HD23	1:133:A:ALA:HB1	20	0.12
(1,3184)	1:130:A:LEU:HD23	1:133:A:ALA:HB2	20	0.12
(1,3184)	1:130:A:LEU:HD23	1:133:A:ALA:HB3	20	0.12
(1,3174)	1:130:A:LEU:HD21	1:160:A:GLN:HA	19	0.12
(1,3174)	1:130:A:LEU:HD22	1:160:A:GLN:HA	19	0.12
(1,3174)	1:130:A:LEU:HD23	1:160:A:GLN:HA	19	0.12
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	16	0.12
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	16	0.12
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	16	0.12
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	16	0.12
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	16	0.12
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	16	0.12
(1,3115)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	1	0.12
(1,3115)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	1	0.12
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE1	18	0.12
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE2	18	0.12
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE3	18	0.12
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE1	18	0.12
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE2	18	0.12
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE3	18	0.12
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE1	20	0.12
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE2	20	0.12
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE3	20	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE1	20	0.12
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE2	20	0.12
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE3	20	0.12
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	11	0.12
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	11	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	11	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	11	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	11	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	11	0.12
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	12	0.12
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	12	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	12	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	12	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	12	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	12	0.12
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	18	0.12
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	18	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	18	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	18	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	18	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	18	0.12
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	20	0.12
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	20	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	20	0.12
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	20	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	20	0.12
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	20	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	4	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	4	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	4	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	4	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	6	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	6	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	6	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	6	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	7	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	7	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	7	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	7	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	11	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	11	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	11	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	11	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	12	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	12	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	12	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	12	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	13	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	13	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	13	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	13	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	17	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	17	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	17	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	17	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	18	0.12
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	18	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	18	0.12
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	18	0.12
(1,3039)	1:140:A:HIS:HB3	1:140:A:HIS:HD2	3	0.12
(1,3033)	1:177:A:HIS:HB3	1:177:A:HIS:HD2	2	0.12
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	2	0.12
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	7	0.12
(1,3000)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	1	0.12
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	8	0.12
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	8	0.12
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	8	0.12
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	8	0.12
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	8	0.12
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	8	0.12
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	8	0.12
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	8	0.12
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	8	0.12
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	8	0.12
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	8	0.12
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	8	0.12
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	17	0.12
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	17	0.12
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	17	0.12
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	17	0.12
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	17	0.12
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	17	0.12
(1,2942)	1:196:A:GLU:HB2	1:198:A:PHE:HD1	13	0.12
(1,2942)	1:196:A:GLU:HB2	1:198:A:PHE:HD2	13	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2942)	1:196:A:GLU:HB3	1:198:A:PHE:HD1	13	0.12
(1,2942)	1:196:A:GLU:HB3	1:198:A:PHE:HD2	13	0.12
(1,2908)	1:175:A:PHE:HE1	1:179:A:CYS:HA	13	0.12
(1,2908)	1:175:A:PHE:HE2	1:179:A:CYS:HA	13	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	2	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	2	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	2	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	2	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	2	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	2	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	5	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	5	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	5	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	5	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	5	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	5	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	7	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	7	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	7	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	7	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	7	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	7	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	9	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	9	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	9	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	9	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	9	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	9	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	20	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	20	0.12
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	20	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	20	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	20	0.12
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	20	0.12
(1,2597)	1:130:A:LEU:HD11	1:160:A:GLN:H	9	0.12
(1,2597)	1:130:A:LEU:HD12	1:160:A:GLN:H	9	0.12
(1,2597)	1:130:A:LEU:HD13	1:160:A:GLN:H	9	0.12
(1,2595)	1:160:A:GLN:H	1:160:A:GLN:HB3	16	0.12
(1,2593)	1:159:A:ASN:HB3	1:160:A:GLN:H	20	0.12
(1,2492)	1:200:A:GLU:HB2	1:201:A:THR:H	8	0.12
(1,2359)	1:153:A:ASN:HB3	1:154:A:MET:H	1	0.12
(1,2275)	1:166:A:VAL:H	1:221:A:GLU:HG2	9	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	1	0.12
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	6	0.12
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	16	0.12
(1,2202)	1:229:A:ARG:H	1:229:A:ARG:HB2	20	0.12
(1,2143)	1:149:A:TYR:HB2	1:150:A:TYR:H	8	0.12
(1,2068)	1:129:A:MET:H	1:165:A:PRO:HD2	16	0.12
(1,2043)	1:134:A:MET:H	1:159:A:ASN:HB2	2	0.12
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	8	0.12
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	15	0.12
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	12	0.12
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	12	0.12
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	12	0.12
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	12	0.12
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	10	0.12
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	10	0.12
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	10	0.12
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	2	0.12
(1,1775)	1:165:A:PRO:HG3	1:166:A:VAL:H	16	0.12
(1,1676)	1:146:A:GLU:HB2	1:150:A:TYR:H	16	0.12
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG21	18	0.12
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG22	18	0.12
(1,1664)	1:208:A:ARG:HB3	1:209:A:VAL:HG23	18	0.12
(1,1633)	1:196:A:GLU:HB2	1:197:A:ASN:HB3	6	0.12
(1,1633)	1:196:A:GLU:HB3	1:197:A:ASN:HB3	6	0.12
(1,1572)	1:134:A:MET:HA	1:134:A:MET:HG3	2	0.12
(1,1572)	1:134:A:MET:HA	1:134:A:MET:HG3	19	0.12
(1,1513)	1:137:A:PRO:HB2	1:212:A:GLN:HG3	16	0.12
(1,1376)	1:223:A:GLN:HG3	1:224:A:ALA:HB1	13	0.12
(1,1376)	1:223:A:GLN:HG3	1:224:A:ALA:HB2	13	0.12
(1,1376)	1:223:A:GLN:HG3	1:224:A:ALA:HB3	13	0.12
(1,1245)	1:203:A:VAL:HG21	1:207:A:GLU:HG2	14	0.12
(1,1245)	1:203:A:VAL:HG22	1:207:A:GLU:HG2	14	0.12
(1,1245)	1:203:A:VAL:HG23	1:207:A:GLU:HG2	14	0.12
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	6	0.12
(1,1120)	1:218:A:TYR:HB2	1:219:A:GLN:HA	8	0.12
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG11	5	0.12
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG12	5	0.12
(1,1061)	1:205:A:MET:HA	1:209:A:VAL:HG13	5	0.12
(1,1014)	1:166:A:VAL:HG21	1:218:A:TYR:HB3	6	0.12
(1,1014)	1:166:A:VAL:HG22	1:218:A:TYR:HB3	6	0.12
(1,1014)	1:166:A:VAL:HG23	1:218:A:TYR:HB3	6	0.12
(1,968)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	3	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,968)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	5	0.12
(1,968)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	13	0.12
(1,965)	1:172:A:GLN:H	1:173:A:ASN:HB3	17	0.12
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE1	17	0.12
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE2	17	0.12
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE3	17	0.12
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE1	17	0.12
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE2	17	0.12
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE3	17	0.12
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE1	17	0.12
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE2	17	0.12
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE3	17	0.12
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	19	0.12
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	19	0.12
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	19	0.12
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	19	0.12
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	19	0.12
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	19	0.12
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	19	0.12
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	19	0.12
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	19	0.12
(1,597)	1:133:A:ALA:HB1	1:159:A:ASN:HD22	17	0.12
(1,597)	1:133:A:ALA:HB2	1:159:A:ASN:HD22	17	0.12
(1,597)	1:133:A:ALA:HB3	1:159:A:ASN:HD22	17	0.12
(1,553)	1:210:A:VAL:HG11	1:214:A:CYS:HB2	9	0.12
(1,553)	1:210:A:VAL:HG12	1:214:A:CYS:HB2	9	0.12
(1,553)	1:210:A:VAL:HG13	1:214:A:CYS:HB2	9	0.12
(1,523)	1:193:A:THR:HG21	1:194:A:LYS:HE2	11	0.12
(1,523)	1:193:A:THR:HG21	1:194:A:LYS:HE3	11	0.12
(1,523)	1:193:A:THR:HG22	1:194:A:LYS:HE2	11	0.12
(1,523)	1:193:A:THR:HG22	1:194:A:LYS:HE3	11	0.12
(1,523)	1:193:A:THR:HG23	1:194:A:LYS:HE2	11	0.12
(1,523)	1:193:A:THR:HG23	1:194:A:LYS:HE3	11	0.12
(1,523)	1:193:A:THR:HG21	1:194:A:LYS:HE2	14	0.12
(1,523)	1:193:A:THR:HG21	1:194:A:LYS:HE3	14	0.12
(1,523)	1:193:A:THR:HG22	1:194:A:LYS:HE2	14	0.12
(1,523)	1:193:A:THR:HG22	1:194:A:LYS:HE3	14	0.12
(1,523)	1:193:A:THR:HG23	1:194:A:LYS:HE2	14	0.12
(1,523)	1:193:A:THR:HG23	1:194:A:LYS:HE3	14	0.12
(1,499)	1:208:A:ARG:HA	1:208:A:ARG:HD2	19	0.12
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	8	0.12
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	8	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	8	0.12
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG21	10	0.12
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG22	10	0.12
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG23	10	0.12
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG21	10	0.12
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG22	10	0.12
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG23	10	0.12
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG21	10	0.12
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG22	10	0.12
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG23	10	0.12
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG21	13	0.12
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG22	13	0.12
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG23	13	0.12
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG21	13	0.12
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG22	13	0.12
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG23	13	0.12
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG21	13	0.12
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG22	13	0.12
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG23	13	0.12
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	20	0.12
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	20	0.12
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	20	0.12
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	20	0.12
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	20	0.12
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	20	0.12
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	20	0.12
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	20	0.12
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	20	0.12
(1,389)	1:121:A:VAL:HG21	1:122:A:VAL:H	15	0.12
(1,389)	1:121:A:VAL:HG22	1:122:A:VAL:H	15	0.12
(1,389)	1:121:A:VAL:HG23	1:122:A:VAL:H	15	0.12
(1,384)	1:185:A:LYS:HD2	1:189:A:VAL:HG11	12	0.12
(1,384)	1:185:A:LYS:HD2	1:189:A:VAL:HG12	12	0.12
(1,384)	1:185:A:LYS:HD2	1:189:A:VAL:HG13	12	0.12
(1,384)	1:185:A:LYS:HD3	1:189:A:VAL:HG11	12	0.12
(1,384)	1:185:A:LYS:HD3	1:189:A:VAL:HG12	12	0.12
(1,384)	1:185:A:LYS:HD3	1:189:A:VAL:HG13	12	0.12
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	8	0.12
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	8	0.12
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	8	0.12
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	18	0.12
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	18	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	18	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	5	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	5	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	5	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	5	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	5	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	5	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	5	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	5	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	5	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	9	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	9	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	9	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	9	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	9	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	9	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	9	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	9	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	9	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	15	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	15	0.12
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	15	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	15	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	15	0.12
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	15	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	15	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	15	0.12
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	15	0.12
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG21	15	0.12
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG22	15	0.12
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG23	15	0.12
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	8	0.12
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	8	0.12
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	8	0.12
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	8	0.12
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	8	0.12
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	8	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG21	2	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG22	2	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG23	2	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG21	2	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG22	2	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG23	2	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG21	12	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG22	12	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG23	12	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG21	12	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG22	12	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG23	12	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG21	14	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG22	14	0.12
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG23	14	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG21	14	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG22	14	0.12
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG23	14	0.12
(1,318)	1:166:A:VAL:HG21	1:167:A:ASP:HA	7	0.12
(1,318)	1:166:A:VAL:HG22	1:167:A:ASP:HA	7	0.12
(1,318)	1:166:A:VAL:HG23	1:167:A:ASP:HA	7	0.12
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	15	0.12
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	15	0.12
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	15	0.12
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	15	0.12
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	15	0.12
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	15	0.12
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	15	0.12
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	15	0.12
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	15	0.12
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	20	0.12
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	20	0.12
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	20	0.12
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	20	0.12
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	20	0.12
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	20	0.12
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	20	0.12
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	20	0.12
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	20	0.12
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG11	18	0.12
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG12	18	0.12
(1,192)	1:202:A:ASP:H	1:203:A:VAL:HG13	18	0.12
(1,177)	1:162:A:TYR:HB3	1:183:A:THR:HA	4	0.12
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	18	0.12
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	18	0.12
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	18	0.12
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	18	0.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	18	0.12
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	18	0.12
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	10	0.12
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	10	0.12
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	10	0.12
(1,23)	1:204:A:LYS:H	1:204:A:LYS:HG3	5	0.12
(1,15)	1:130:A:LEU:HD21	1:133:A:ALA:HB1	20	0.12
(1,15)	1:130:A:LEU:HD21	1:133:A:ALA:HB2	20	0.12
(1,15)	1:130:A:LEU:HD21	1:133:A:ALA:HB3	20	0.12
(1,15)	1:130:A:LEU:HD22	1:133:A:ALA:HB1	20	0.12
(1,15)	1:130:A:LEU:HD22	1:133:A:ALA:HB2	20	0.12
(1,15)	1:130:A:LEU:HD22	1:133:A:ALA:HB3	20	0.12
(1,15)	1:130:A:LEU:HD23	1:133:A:ALA:HB1	20	0.12
(1,15)	1:130:A:LEU:HD23	1:133:A:ALA:HB2	20	0.12
(1,15)	1:130:A:LEU:HD23	1:133:A:ALA:HB3	20	0.12
(1,5)	1:130:A:LEU:HD21	1:160:A:GLN:HA	19	0.12
(1,5)	1:130:A:LEU:HD22	1:160:A:GLN:HA	19	0.12
(1,5)	1:130:A:LEU:HD23	1:160:A:GLN:HA	19	0.12
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE1	7	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE2	7	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE3	7	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE1	7	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE2	7	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE3	7	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE1	8	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE2	8	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE3	8	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE1	8	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE2	8	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE3	8	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE1	9	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE2	9	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE3	9	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE1	9	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE2	9	0.11
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE3	9	0.11
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	7	0.11
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	7	0.11
(1,6327)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	7	0.11
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	7	0.11
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	7	0.11
(1,6327)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6317)	1:218:A:TYR:HE1	1:222:A:SER:HB2	5	0.11
(1,6317)	1:218:A:TYR:HE2	1:222:A:SER:HB2	5	0.11
(1,6317)	1:218:A:TYR:HE1	1:222:A:SER:HB2	12	0.11
(1,6317)	1:218:A:TYR:HE2	1:222:A:SER:HB2	12	0.11
(1,6297)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	14	0.11
(1,6297)	1:225:A:TYR:HE1	1:229:A:ARG:HD3	14	0.11
(1,6297)	1:225:A:TYR:HE2	1:229:A:ARG:HD2	14	0.11
(1,6297)	1:225:A:TYR:HE2	1:229:A:ARG:HD3	14	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	2	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	2	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	2	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	2	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	2	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	2	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	4	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	4	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	4	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	4	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	4	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	4	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	11	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	11	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	11	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	11	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	11	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	11	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	13	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	13	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	13	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	13	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	13	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	13	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	20	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	20	0.11
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	20	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	20	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	20	0.11
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	20	0.11
(1,6291)	1:225:A:TYR:HE1	1:229:A:ARG:HG2	4	0.11
(1,6291)	1:225:A:TYR:HE1	1:229:A:ARG:HG3	4	0.11
(1,6291)	1:225:A:TYR:HE2	1:229:A:ARG:HG2	4	0.11
(1,6291)	1:225:A:TYR:HE2	1:229:A:ARG:HG3	4	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6284)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	14	0.11
(1,6284)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	14	0.11
(1,6276)	1:128:A:TYR:HE1	1:162:A:TYR:HB2	7	0.11
(1,6276)	1:128:A:TYR:HE1	1:162:A:TYR:HB3	7	0.11
(1,6276)	1:128:A:TYR:HE2	1:162:A:TYR:HB2	7	0.11
(1,6276)	1:128:A:TYR:HE2	1:162:A:TYR:HB3	7	0.11
(1,6259)	1:125:A:LEU:HD11	1:162:A:TYR:HE1	6	0.11
(1,6259)	1:125:A:LEU:HD11	1:162:A:TYR:HE2	6	0.11
(1,6259)	1:125:A:LEU:HD12	1:162:A:TYR:HE1	6	0.11
(1,6259)	1:125:A:LEU:HD12	1:162:A:TYR:HE2	6	0.11
(1,6259)	1:125:A:LEU:HD13	1:162:A:TYR:HE1	6	0.11
(1,6259)	1:125:A:LEU:HD13	1:162:A:TYR:HE2	6	0.11
(1,6253)	1:162:A:TYR:HE1	1:186:A:GLN:HE21	9	0.11
(1,6253)	1:162:A:TYR:HE2	1:186:A:GLN:HE21	9	0.11
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	6	0.11
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	6	0.11
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	6	0.11
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	6	0.11
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	10	0.11
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	10	0.11
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	10	0.11
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	10	0.11
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE1	2	0.11
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE2	2	0.11
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE1	10	0.11
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE2	10	0.11
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE1	18	0.11
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE2	18	0.11
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	13	0.11
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	13	0.11
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	13	0.11
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	13	0.11
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	13	0.11
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	13	0.11
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	14	0.11
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	14	0.11
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	14	0.11
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	14	0.11
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	14	0.11
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	14	0.11
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	4	0.11
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	4	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	16	0.11
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	16	0.11
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	17	0.11
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	17	0.11
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	3	0.11
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	3	0.11
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	3	0.11
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	3	0.11
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	9	0.11
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	9	0.11
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	9	0.11
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	9	0.11
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	15	0.11
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	15	0.11
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	15	0.11
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	15	0.11
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	16	0.11
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	16	0.11
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	16	0.11
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	16	0.11
(1,6179)	1:145:A:TRP:HH2	1:201:A:THR:HG21	16	0.11
(1,6179)	1:145:A:TRP:HH2	1:201:A:THR:HG22	16	0.11
(1,6179)	1:145:A:TRP:HH2	1:201:A:THR:HG23	16	0.11
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE1	9	0.11
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE2	9	0.11
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE3	9	0.11
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE1	11	0.11
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE2	11	0.11
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE3	11	0.11
(1,6138)	1:139:A:ILE:HG21	1:141:A:PHE:HE1	8	0.11
(1,6138)	1:139:A:ILE:HG21	1:141:A:PHE:HE2	8	0.11
(1,6138)	1:139:A:ILE:HG22	1:141:A:PHE:HE1	8	0.11
(1,6138)	1:139:A:ILE:HG22	1:141:A:PHE:HE2	8	0.11
(1,6138)	1:139:A:ILE:HG23	1:141:A:PHE:HE1	8	0.11
(1,6138)	1:139:A:ILE:HG23	1:141:A:PHE:HE2	8	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	1	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	1	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	1	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	1	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	1	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	1	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	5	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	5	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	5	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	5	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	5	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	5	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	6	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	6	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	6	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	6	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	6	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	6	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	12	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	12	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	12	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	12	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	12	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	12	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	16	0.11
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	16	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	16	0.11
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	16	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	16	0.11
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	16	0.11
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	2	0.11
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	2	0.11
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	2	0.11
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	2	0.11
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	2	0.11
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	2	0.11
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	11	0.11
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	11	0.11
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	11	0.11
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	11	0.11
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	11	0.11
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	11	0.11
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	20	0.11
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	20	0.11
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	20	0.11
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	20	0.11
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	20	0.11
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	20	0.11
(1,6111)	1:196:A:GLU:HB2	1:198:A:PHE:HD1	12	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6111)	1:196:A:GLU:HB2	1:198:A:PHE:HD2	12	0.11
(1,6111)	1:196:A:GLU:HB3	1:198:A:PHE:HD1	12	0.11
(1,6111)	1:196:A:GLU:HB3	1:198:A:PHE:HD2	12	0.11
(1,6077)	1:175:A:PHE:HE1	1:179:A:CYS:HA	2	0.11
(1,6077)	1:175:A:PHE:HE2	1:179:A:CYS:HA	2	0.11
(1,6077)	1:175:A:PHE:HE1	1:179:A:CYS:HA	5	0.11
(1,6077)	1:175:A:PHE:HE2	1:179:A:CYS:HA	5	0.11
(1,6077)	1:175:A:PHE:HE1	1:179:A:CYS:HA	10	0.11
(1,6077)	1:175:A:PHE:HE2	1:179:A:CYS:HA	10	0.11
(1,6077)	1:175:A:PHE:HE1	1:179:A:CYS:HA	15	0.11
(1,6077)	1:175:A:PHE:HE2	1:179:A:CYS:HA	15	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	1	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	1	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	1	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	1	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	1	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	1	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	3	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	3	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	3	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	3	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	3	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	3	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	4	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	4	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	4	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	4	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	4	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	4	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	8	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	8	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	8	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	8	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	8	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	8	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	11	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	11	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	11	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	11	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	11	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	11	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	18	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	18	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	18	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	18	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	18	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	18	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	19	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	19	0.11
(1,6076)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	19	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	19	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	19	0.11
(1,6076)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	19	0.11
(1,6067)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	6	0.11
(1,6067)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	6	0.11
(1,6067)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	6	0.11
(1,6067)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	6	0.11
(1,6067)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	6	0.11
(1,6067)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	6	0.11
(1,6067)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	13	0.11
(1,6067)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	13	0.11
(1,6067)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	13	0.11
(1,6067)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	13	0.11
(1,6067)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	13	0.11
(1,6067)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	13	0.11
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	2	0.11
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	2	0.11
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	2	0.11
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	2	0.11
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	2	0.11
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	2	0.11
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	18	0.11
(1,6035)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	18	0.11
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	18	0.11
(1,6035)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	18	0.11
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	18	0.11
(1,6035)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	18	0.11
(1,5992)	1:149:A:TYR:HD1	1:150:A:TYR:HD1	2	0.11
(1,5992)	1:149:A:TYR:HD1	1:150:A:TYR:HD2	2	0.11
(1,5992)	1:149:A:TYR:HD2	1:150:A:TYR:HD1	2	0.11
(1,5992)	1:149:A:TYR:HD2	1:150:A:TYR:HD2	2	0.11
(1,5971)	1:150:A:TYR:HD1	1:157:A:TYR:HE1	14	0.11
(1,5971)	1:150:A:TYR:HD1	1:157:A:TYR:HE2	14	0.11
(1,5971)	1:150:A:TYR:HD2	1:157:A:TYR:HE1	14	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5971)	1:150:A:TYR:HD2	1:157:A:TYR:HE2	14	0.11
(1,5966)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	17	0.11
(1,5966)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	17	0.11
(1,5951)	1:166:A:VAL:H	1:169:A:TYR:HD1	5	0.11
(1,5951)	1:166:A:VAL:H	1:169:A:TYR:HD2	5	0.11
(1,5951)	1:166:A:VAL:H	1:169:A:TYR:HD1	17	0.11
(1,5951)	1:166:A:VAL:H	1:169:A:TYR:HD2	17	0.11
(1,5837)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	3	0.11
(1,5728)	1:171:A:ASN:H	1:174:A:ASN:HB3	8	0.11
(1,5714)	1:152:A:GLU:H	1:152:A:GLU:HG2	14	0.11
(1,5686)	1:210:A:VAL:HG11	1:212:A:GLN:H	16	0.11
(1,5686)	1:210:A:VAL:HG12	1:212:A:GLN:H	16	0.11
(1,5686)	1:210:A:VAL:HG13	1:212:A:GLN:H	16	0.11
(1,5578)	1:220:A:LYS:HB3	1:221:A:GLU:H	7	0.11
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG21	14	0.11
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG22	14	0.11
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG23	14	0.11
(1,5528)	1:153:A:ASN:HB3	1:154:A:MET:H	10	0.11
(1,5502)	1:174:A:ASN:H	1:174:A:ASN:HB3	11	0.11
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG11	18	0.11
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG12	18	0.11
(1,5421)	1:214:A:CYS:H	1:215:A:VAL:HG13	18	0.11
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	2	0.11
(1,5402)	1:166:A:VAL:HG11	1:226:A:TYR:H	18	0.11
(1,5402)	1:166:A:VAL:HG12	1:226:A:TYR:H	18	0.11
(1,5402)	1:166:A:VAL:HG13	1:226:A:TYR:H	18	0.11
(1,5402)	1:166:A:VAL:HG21	1:226:A:TYR:H	18	0.11
(1,5402)	1:166:A:VAL:HG22	1:226:A:TYR:H	18	0.11
(1,5402)	1:166:A:VAL:HG23	1:226:A:TYR:H	18	0.11
(1,5312)	1:149:A:TYR:HB2	1:150:A:TYR:H	1	0.11
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	1	0.11
(1,5195)	1:140:A:HIS:H	1:140:A:HIS:HB3	7	0.11
(1,5106)	1:139:A:ILE:HD11	1:208:A:ARG:HE	1	0.11
(1,5106)	1:139:A:ILE:HD12	1:208:A:ARG:HE	1	0.11
(1,5106)	1:139:A:ILE:HD13	1:208:A:ARG:HE	1	0.11
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	1	0.11
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	1	0.11
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	1	0.11
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	1	0.11
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	2	0.11
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	2	0.11
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	2	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	2	0.11
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	15	0.11
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	15	0.11
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	15	0.11
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	15	0.11
(1,4952)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	3	0.11
(1,4952)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	3	0.11
(1,4952)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	3	0.11
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	12	0.11
(1,4869)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	1	0.11
(1,4869)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	1	0.11
(1,4869)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	17	0.11
(1,4869)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	17	0.11
(1,4842)	1:184:A:ILE:HA	1:184:A:ILE:HG13	10	0.11
(1,4829)	1:180:A:VAL:HG21	1:184:A:ILE:HG12	12	0.11
(1,4829)	1:180:A:VAL:HG22	1:184:A:ILE:HG12	12	0.11
(1,4829)	1:180:A:VAL:HG23	1:184:A:ILE:HG12	12	0.11
(1,4754)	1:130:A:LEU:HD11	1:160:A:GLN:HA	7	0.11
(1,4754)	1:130:A:LEU:HD12	1:160:A:GLN:HA	7	0.11
(1,4754)	1:130:A:LEU:HD13	1:160:A:GLN:HA	7	0.11
(1,4744)	1:133:A:ALA:HB1	1:134:A:MET:HG3	8	0.11
(1,4744)	1:133:A:ALA:HB2	1:134:A:MET:HG3	8	0.11
(1,4744)	1:133:A:ALA:HB3	1:134:A:MET:HG3	8	0.11
(1,4741)	1:134:A:MET:HA	1:134:A:MET:HG3	10	0.11
(1,4637)	1:150:A:TYR:HD1	1:209:A:VAL:HB	11	0.11
(1,4637)	1:150:A:TYR:HD2	1:209:A:VAL:HB	11	0.11
(1,4575)	1:130:A:LEU:HA	1:160:A:GLN:HB2	15	0.11
(1,4528)	1:139:A:ILE:HG21	1:212:A:GLN:HG2	5	0.11
(1,4528)	1:139:A:ILE:HG22	1:212:A:GLN:HG2	5	0.11
(1,4528)	1:139:A:ILE:HG23	1:212:A:GLN:HG2	5	0.11
(1,4520)	1:204:A:LYS:HG3	1:205:A:MET:HG2	11	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	1	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	1	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	1	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	2	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	2	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	2	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	4	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	4	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	4	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	9	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	9	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	9	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	12	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	12	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	12	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	13	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	13	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	13	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	16	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	16	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	16	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	17	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	17	0.11
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	17	0.11
(1,4439)	1:202:A:ASP:HA	1:205:A:MET:HB3	18	0.11
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG21	5	0.11
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG22	5	0.11
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG23	5	0.11
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG21	13	0.11
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG22	13	0.11
(1,4332)	1:200:A:GLU:HG3	1:203:A:VAL:HG23	13	0.11
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	8	0.11
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	8	0.11
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	8	0.11
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	8	0.11
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	8	0.11
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	8	0.11
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	8	0.11
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	8	0.11
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	8	0.11
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	20	0.11
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	20	0.11
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	20	0.11
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	20	0.11
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	20	0.11
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	20	0.11
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	20	0.11
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	20	0.11
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	20	0.11
(1,4309)	1:183:A:THR:HA	1:184:A:ILE:HD11	12	0.11
(1,4309)	1:183:A:THR:HA	1:184:A:ILE:HD12	12	0.11
(1,4309)	1:183:A:THR:HA	1:184:A:ILE:HD13	12	0.11
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD11	15	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD12	15	0.11
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD13	15	0.11
(1,4275)	1:150:A:TYR:HE1	1:154:A:MET:HA	12	0.11
(1,4275)	1:150:A:TYR:HE2	1:154:A:MET:HA	12	0.11
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB1	7	0.11
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB2	7	0.11
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB3	7	0.11
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB1	9	0.11
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB2	9	0.11
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB3	9	0.11
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB1	11	0.11
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB2	11	0.11
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB3	11	0.11
(1,4252)	1:225:A:TYR:HD1	1:226:A:TYR:HA	19	0.11
(1,4252)	1:225:A:TYR:HD2	1:226:A:TYR:HA	19	0.11
(1,4216)	1:205:A:MET:HA	1:208:A:ARG:HB3	6	0.11
(1,4209)	1:206:A:MET:HA	1:209:A:VAL:HB	11	0.11
(1,4137)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	20	0.11
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	6	0.11
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	9	0.11
(1,4041)	1:182:A:ILE:HA	1:185:A:LYS:HB2	11	0.11
(1,4035)	1:138:A:MET:HE1	1:151:A:ARG:HD2	11	0.11
(1,4035)	1:138:A:MET:HE2	1:151:A:ARG:HD2	11	0.11
(1,4035)	1:138:A:MET:HE3	1:151:A:ARG:HD2	11	0.11
(1,4017)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	5	0.11
(1,4017)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	5	0.11
(1,4017)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	5	0.11
(1,4004)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	4	0.11
(1,4004)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	4	0.11
(1,4004)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	4	0.11
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE1	4	0.11
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE2	4	0.11
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE3	4	0.11
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE1	4	0.11
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE2	4	0.11
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE3	4	0.11
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE1	4	0.11
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE2	4	0.11
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE3	4	0.11
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE1	15	0.11
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE2	15	0.11
(1,4003)	1:139:A:ILE:HD11	1:213:A:MET:HE3	15	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE1	15	0.11
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE2	15	0.11
(1,4003)	1:139:A:ILE:HD12	1:213:A:MET:HE3	15	0.11
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE1	15	0.11
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE2	15	0.11
(1,4003)	1:139:A:ILE:HD13	1:213:A:MET:HE3	15	0.11
(1,3991)	1:136:A:ARG:HA	1:213:A:MET:HE1	10	0.11
(1,3991)	1:136:A:ARG:HA	1:213:A:MET:HE2	10	0.11
(1,3991)	1:136:A:ARG:HA	1:213:A:MET:HE3	10	0.11
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	1	0.11
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	1	0.11
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	1	0.11
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	1	0.11
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	1	0.11
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	1	0.11
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	1	0.11
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	1	0.11
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	1	0.11
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	1	0.11
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	1	0.11
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	1	0.11
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE1	4	0.11
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE2	4	0.11
(1,3956)	1:122:A:VAL:HG11	1:129:A:MET:HE3	4	0.11
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE1	4	0.11
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE2	4	0.11
(1,3956)	1:122:A:VAL:HG12	1:129:A:MET:HE3	4	0.11
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE1	4	0.11
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE2	4	0.11
(1,3956)	1:122:A:VAL:HG13	1:129:A:MET:HE3	4	0.11
(1,3953)	1:129:A:MET:HE1	1:221:A:GLU:HG3	18	0.11
(1,3953)	1:129:A:MET:HE2	1:221:A:GLU:HG3	18	0.11
(1,3953)	1:129:A:MET:HE3	1:221:A:GLU:HG3	18	0.11
(1,3926)	1:138:A:MET:H	1:154:A:MET:HE1	17	0.11
(1,3926)	1:138:A:MET:H	1:154:A:MET:HE2	17	0.11
(1,3926)	1:138:A:MET:H	1:154:A:MET:HE3	17	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE1	6	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE2	6	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE3	6	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE1	7	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE2	7	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE3	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE1	14	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE2	14	0.11
(1,3900)	1:134:A:MET:HB3	1:134:A:MET:HE3	14	0.11
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE1	8	0.11
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE2	8	0.11
(1,3898)	1:134:A:MET:HG3	1:134:A:MET:HE3	8	0.11
(1,3897)	1:134:A:MET:HE1	1:220:A:LYS:HE2	3	0.11
(1,3897)	1:134:A:MET:HE1	1:220:A:LYS:HE3	3	0.11
(1,3897)	1:134:A:MET:HE2	1:220:A:LYS:HE2	3	0.11
(1,3897)	1:134:A:MET:HE2	1:220:A:LYS:HE3	3	0.11
(1,3897)	1:134:A:MET:HE3	1:220:A:LYS:HE2	3	0.11
(1,3897)	1:134:A:MET:HE3	1:220:A:LYS:HE3	3	0.11
(1,3872)	1:191:A:THR:HA	1:194:A:LYS:HB3	16	0.11
(1,3857)	1:166:A:VAL:HG11	1:170:A:SER:HB2	17	0.11
(1,3857)	1:166:A:VAL:HG12	1:170:A:SER:HB2	17	0.11
(1,3857)	1:166:A:VAL:HG13	1:170:A:SER:HB2	17	0.11
(1,3844)	1:161:A:VAL:HG21	1:179:A:CYS:HA	4	0.11
(1,3844)	1:161:A:VAL:HG22	1:179:A:CYS:HA	4	0.11
(1,3844)	1:161:A:VAL:HG23	1:179:A:CYS:HA	4	0.11
(1,3844)	1:161:A:VAL:HG21	1:179:A:CYS:HA	8	0.11
(1,3844)	1:161:A:VAL:HG22	1:179:A:CYS:HA	8	0.11
(1,3844)	1:161:A:VAL:HG23	1:179:A:CYS:HA	8	0.11
(1,3844)	1:161:A:VAL:HG21	1:179:A:CYS:HA	13	0.11
(1,3844)	1:161:A:VAL:HG22	1:179:A:CYS:HA	13	0.11
(1,3844)	1:161:A:VAL:HG23	1:179:A:CYS:HA	13	0.11
(1,3844)	1:161:A:VAL:HG21	1:179:A:CYS:HA	16	0.11
(1,3844)	1:161:A:VAL:HG22	1:179:A:CYS:HA	16	0.11
(1,3844)	1:161:A:VAL:HG23	1:179:A:CYS:HA	16	0.11
(1,3839)	1:201:A:THR:HG21	1:205:A:MET:HE1	16	0.11
(1,3839)	1:201:A:THR:HG21	1:205:A:MET:HE2	16	0.11
(1,3839)	1:201:A:THR:HG21	1:205:A:MET:HE3	16	0.11
(1,3839)	1:201:A:THR:HG22	1:205:A:MET:HE1	16	0.11
(1,3839)	1:201:A:THR:HG22	1:205:A:MET:HE2	16	0.11
(1,3839)	1:201:A:THR:HG22	1:205:A:MET:HE3	16	0.11
(1,3839)	1:201:A:THR:HG23	1:205:A:MET:HE1	16	0.11
(1,3839)	1:201:A:THR:HG23	1:205:A:MET:HE2	16	0.11
(1,3839)	1:201:A:THR:HG23	1:205:A:MET:HE3	16	0.11
(1,3804)	1:161:A:VAL:HG21	1:217:A:GLN:HA	8	0.11
(1,3804)	1:161:A:VAL:HG22	1:217:A:GLN:HA	8	0.11
(1,3804)	1:161:A:VAL:HG23	1:217:A:GLN:HA	8	0.11
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB2	9	0.11
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB3	9	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB2	19	0.11
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB3	19	0.11
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	3	0.11
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	3	0.11
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	9	0.11
(1,3711)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	9	0.11
(1,3692)	1:193:A:THR:HG21	1:194:A:LYS:HE2	17	0.11
(1,3692)	1:193:A:THR:HG21	1:194:A:LYS:HE3	17	0.11
(1,3692)	1:193:A:THR:HG22	1:194:A:LYS:HE2	17	0.11
(1,3692)	1:193:A:THR:HG22	1:194:A:LYS:HE3	17	0.11
(1,3692)	1:193:A:THR:HG23	1:194:A:LYS:HE2	17	0.11
(1,3692)	1:193:A:THR:HG23	1:194:A:LYS:HE3	17	0.11
(1,3659)	1:137:A:PRO:HD3	1:209:A:VAL:HA	20	0.11
(1,3643)	1:148:A:ARG:HD2	1:149:A:TYR:HA	8	0.11
(1,3643)	1:148:A:ARG:HD3	1:149:A:TYR:HA	8	0.11
(1,3643)	1:148:A:ARG:HD2	1:149:A:TYR:HA	16	0.11
(1,3643)	1:148:A:ARG:HD3	1:149:A:TYR:HA	16	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG21	5	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG22	5	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG23	5	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG21	14	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG22	14	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG23	14	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG21	17	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG22	17	0.11
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG23	17	0.11
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG2	13	0.11
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG3	13	0.11
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG2	13	0.11
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG3	13	0.11
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG2	13	0.11
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG3	13	0.11
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG2	17	0.11
(1,3635)	1:122:A:VAL:HG11	1:129:A:MET:HG3	17	0.11
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG2	17	0.11
(1,3635)	1:122:A:VAL:HG12	1:129:A:MET:HG3	17	0.11
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG2	17	0.11
(1,3635)	1:122:A:VAL:HG13	1:129:A:MET:HG3	17	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	3	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	3	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	3	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	5	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	5	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	5	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	6	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	6	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	6	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	9	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	9	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	9	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	18	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	18	0.11
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	18	0.11
(1,3598)	1:136:A:ARG:HD3	1:154:A:MET:HG3	20	0.11
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG21	2	0.11
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG22	2	0.11
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG23	2	0.11
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG21	2	0.11
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG22	2	0.11
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG23	2	0.11
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG21	2	0.11
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG22	2	0.11
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG23	2	0.11
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG21	12	0.11
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG22	12	0.11
(1,3582)	1:189:A:VAL:HG11	1:192:A:THR:HG23	12	0.11
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG21	12	0.11
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG22	12	0.11
(1,3582)	1:189:A:VAL:HG12	1:192:A:THR:HG23	12	0.11
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG21	12	0.11
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG22	12	0.11
(1,3582)	1:189:A:VAL:HG13	1:192:A:THR:HG23	12	0.11
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	7	0.11
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	7	0.11
(1,3576)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	7	0.11
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	7	0.11
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	7	0.11
(1,3576)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	7	0.11
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	7	0.11
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	7	0.11
(1,3576)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	7	0.11
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	7	0.11
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	7	0.11
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	15	0.11
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	15	0.11
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	15	0.11
(1,3542)	1:215:A:VAL:HG21	1:216:A:THR:HA	17	0.11
(1,3542)	1:215:A:VAL:HG22	1:216:A:THR:HA	17	0.11
(1,3542)	1:215:A:VAL:HG23	1:216:A:THR:HA	17	0.11
(1,3538)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	14	0.11
(1,3538)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	14	0.11
(1,3538)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	14	0.11
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	3	0.11
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	3	0.11
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	3	0.11
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	3	0.11
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	3	0.11
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	3	0.11
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	3	0.11
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	3	0.11
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	3	0.11
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	12	0.11
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	12	0.11
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	12	0.11
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	12	0.11
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	12	0.11
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	12	0.11
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	12	0.11
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	12	0.11
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	12	0.11
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	18	0.11
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	18	0.11
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	18	0.11
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	18	0.11
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	18	0.11
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	18	0.11
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	18	0.11
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	18	0.11
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	18	0.11
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG21	2	0.11
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG22	2	0.11
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG23	2	0.11
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG21	8	0.11
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG22	8	0.11
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG23	8	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	5	0.11
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	5	0.11
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	5	0.11
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	5	0.11
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	5	0.11
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	5	0.11
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	6	0.11
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	6	0.11
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	6	0.11
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	6	0.11
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	6	0.11
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	6	0.11
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	9	0.11
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	9	0.11
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	9	0.11
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	9	0.11
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	9	0.11
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	9	0.11
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG21	1	0.11
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG22	1	0.11
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG23	1	0.11
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG21	1	0.11
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG22	1	0.11
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG23	1	0.11
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG21	9	0.11
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG22	9	0.11
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG23	9	0.11
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG21	9	0.11
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG22	9	0.11
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG23	9	0.11
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG21	18	0.11
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG22	18	0.11
(1,3493)	1:185:A:LYS:HE2	1:190:A:THR:HG23	18	0.11
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG21	18	0.11
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG22	18	0.11
(1,3493)	1:185:A:LYS:HE3	1:190:A:THR:HG23	18	0.11
(1,3492)	1:193:A:THR:HG21	1:194:A:LYS:HG3	15	0.11
(1,3492)	1:193:A:THR:HG22	1:194:A:LYS:HG3	15	0.11
(1,3492)	1:193:A:THR:HG23	1:194:A:LYS:HG3	15	0.11
(1,3492)	1:193:A:THR:HG21	1:194:A:LYS:HG3	17	0.11
(1,3492)	1:193:A:THR:HG22	1:194:A:LYS:HG3	17	0.11
(1,3492)	1:193:A:THR:HG23	1:194:A:LYS:HG3	17	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3487)	1:166:A:VAL:HG21	1:167:A:ASP:HA	2	0.11
(1,3487)	1:166:A:VAL:HG22	1:167:A:ASP:HA	2	0.11
(1,3487)	1:166:A:VAL:HG23	1:167:A:ASP:HA	2	0.11
(1,3487)	1:166:A:VAL:HG21	1:167:A:ASP:HA	3	0.11
(1,3487)	1:166:A:VAL:HG22	1:167:A:ASP:HA	3	0.11
(1,3487)	1:166:A:VAL:HG23	1:167:A:ASP:HA	3	0.11
(1,3487)	1:166:A:VAL:HG21	1:167:A:ASP:HA	4	0.11
(1,3487)	1:166:A:VAL:HG22	1:167:A:ASP:HA	4	0.11
(1,3487)	1:166:A:VAL:HG23	1:167:A:ASP:HA	4	0.11
(1,3487)	1:166:A:VAL:HG21	1:167:A:ASP:HA	10	0.11
(1,3487)	1:166:A:VAL:HG22	1:167:A:ASP:HA	10	0.11
(1,3487)	1:166:A:VAL:HG23	1:167:A:ASP:HA	10	0.11
(1,3487)	1:166:A:VAL:HG21	1:167:A:ASP:HA	12	0.11
(1,3487)	1:166:A:VAL:HG22	1:167:A:ASP:HA	12	0.11
(1,3487)	1:166:A:VAL:HG23	1:167:A:ASP:HA	12	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	5	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	5	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	5	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	5	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	5	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	5	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	5	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	5	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	5	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	13	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	13	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	13	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	13	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	13	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	13	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	13	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	13	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	13	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	18	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	18	0.11
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	18	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	18	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	18	0.11
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	18	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	18	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	18	0.11
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	18	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3460)	1:176:A:VAL:HG11	1:181:A:ASN:H	7	0.11
(1,3460)	1:176:A:VAL:HG12	1:181:A:ASN:H	7	0.11
(1,3460)	1:176:A:VAL:HG13	1:181:A:ASN:H	7	0.11
(1,3460)	1:176:A:VAL:HG11	1:181:A:ASN:H	9	0.11
(1,3460)	1:176:A:VAL:HG12	1:181:A:ASN:H	9	0.11
(1,3460)	1:176:A:VAL:HG13	1:181:A:ASN:H	9	0.11
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG21	6	0.11
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG22	6	0.11
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG23	6	0.11
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG21	20	0.11
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG22	20	0.11
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG23	20	0.11
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	10	0.11
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	10	0.11
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	10	0.11
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	10	0.11
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	10	0.11
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	10	0.11
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	13	0.11
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	13	0.11
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	13	0.11
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	13	0.11
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	13	0.11
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	13	0.11
(1,3416)	1:216:A:THR:HG21	1:217:A:GLN:HG2	4	0.11
(1,3416)	1:216:A:THR:HG22	1:217:A:GLN:HG2	4	0.11
(1,3416)	1:216:A:THR:HG23	1:217:A:GLN:HG2	4	0.11
(1,3416)	1:216:A:THR:HG21	1:217:A:GLN:HG2	6	0.11
(1,3416)	1:216:A:THR:HG22	1:217:A:GLN:HG2	6	0.11
(1,3416)	1:216:A:THR:HG23	1:217:A:GLN:HG2	6	0.11
(1,3416)	1:216:A:THR:HG21	1:217:A:GLN:HG2	11	0.11
(1,3416)	1:216:A:THR:HG22	1:217:A:GLN:HG2	11	0.11
(1,3416)	1:216:A:THR:HG23	1:217:A:GLN:HG2	11	0.11
(1,3416)	1:216:A:THR:HG21	1:217:A:GLN:HG2	13	0.11
(1,3416)	1:216:A:THR:HG22	1:217:A:GLN:HG2	13	0.11
(1,3416)	1:216:A:THR:HG23	1:217:A:GLN:HG2	13	0.11
(1,3416)	1:216:A:THR:HG21	1:217:A:GLN:HG2	15	0.11
(1,3416)	1:216:A:THR:HG22	1:217:A:GLN:HG2	15	0.11
(1,3416)	1:216:A:THR:HG23	1:217:A:GLN:HG2	15	0.11
(1,3416)	1:216:A:THR:HG21	1:217:A:GLN:HG2	19	0.11
(1,3416)	1:216:A:THR:HG22	1:217:A:GLN:HG2	19	0.11
(1,3416)	1:216:A:THR:HG23	1:217:A:GLN:HG2	19	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3380)	1:195:A:GLY:HA2	1:196:A:GLU:HB2	18	0.11
(1,3380)	1:195:A:GLY:HA2	1:196:A:GLU:HB3	18	0.11
(1,3380)	1:195:A:GLY:HA2	1:196:A:GLU:HB2	19	0.11
(1,3380)	1:195:A:GLY:HA2	1:196:A:GLU:HB3	19	0.11
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	18	0.11
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	18	0.11
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	18	0.11
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	18	0.11
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	18	0.11
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	18	0.11
(1,3291)	1:125:A:LEU:HD21	1:186:A:GLN:HB3	14	0.11
(1,3291)	1:125:A:LEU:HD22	1:186:A:GLN:HB3	14	0.11
(1,3291)	1:125:A:LEU:HD23	1:186:A:GLN:HB3	14	0.11
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	3	0.11
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	3	0.11
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	3	0.11
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	11	0.11
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	11	0.11
(1,3269)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	11	0.11
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	11	0.11
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	11	0.11
(1,3269)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	11	0.11
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	11	0.11
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	11	0.11
(1,3269)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	11	0.11
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	8	0.11
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	8	0.11
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	8	0.11
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	8	0.11
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	8	0.11
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	8	0.11
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	19	0.11
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	19	0.11
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	19	0.11
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	19	0.11
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	19	0.11
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	19	0.11
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE1	14	0.11
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE2	14	0.11
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE3	14	0.11
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE1	14	0.11
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE2	14	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE3	14	0.11
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE1	14	0.11
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE2	14	0.11
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE3	14	0.11
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	5	0.11
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	5	0.11
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	5	0.11
(1,3208)	1:125:A:LEU:HD11	1:189:A:VAL:HB	6	0.11
(1,3208)	1:125:A:LEU:HD12	1:189:A:VAL:HB	6	0.11
(1,3208)	1:125:A:LEU:HD13	1:189:A:VAL:HB	6	0.11
(1,3192)	1:204:A:LYS:H	1:204:A:LYS:HG3	10	0.11
(1,3184)	1:130:A:LEU:HD21	1:133:A:ALA:HB1	16	0.11
(1,3184)	1:130:A:LEU:HD21	1:133:A:ALA:HB2	16	0.11
(1,3184)	1:130:A:LEU:HD21	1:133:A:ALA:HB3	16	0.11
(1,3184)	1:130:A:LEU:HD22	1:133:A:ALA:HB1	16	0.11
(1,3184)	1:130:A:LEU:HD22	1:133:A:ALA:HB2	16	0.11
(1,3184)	1:130:A:LEU:HD22	1:133:A:ALA:HB3	16	0.11
(1,3184)	1:130:A:LEU:HD23	1:133:A:ALA:HB1	16	0.11
(1,3184)	1:130:A:LEU:HD23	1:133:A:ALA:HB2	16	0.11
(1,3184)	1:130:A:LEU:HD23	1:133:A:ALA:HB3	16	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE1	7	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE2	7	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE3	7	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE1	7	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE2	7	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE3	7	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE1	8	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE2	8	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE3	8	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE1	8	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE2	8	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE3	8	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE1	9	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE2	9	0.11
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE3	9	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE1	9	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE2	9	0.11
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE3	9	0.11
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG11	7	0.11
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG12	7	0.11
(1,3158)	1:157:A:TYR:HE1	1:209:A:VAL:HG13	7	0.11
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG11	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG12	7	0.11
(1,3158)	1:157:A:TYR:HE2	1:209:A:VAL:HG13	7	0.11
(1,3148)	1:218:A:TYR:HE1	1:222:A:SER:HB2	5	0.11
(1,3148)	1:218:A:TYR:HE2	1:222:A:SER:HB2	5	0.11
(1,3148)	1:218:A:TYR:HE1	1:222:A:SER:HB2	12	0.11
(1,3148)	1:218:A:TYR:HE2	1:222:A:SER:HB2	12	0.11
(1,3128)	1:225:A:TYR:HE1	1:229:A:ARG:HD2	14	0.11
(1,3128)	1:225:A:TYR:HE1	1:229:A:ARG:HD3	14	0.11
(1,3128)	1:225:A:TYR:HE2	1:229:A:ARG:HD2	14	0.11
(1,3128)	1:225:A:TYR:HE2	1:229:A:ARG:HD3	14	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	2	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	2	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	2	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	2	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	2	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	2	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	4	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	4	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	4	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	4	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	4	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	4	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	11	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	11	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	11	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	11	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	11	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	11	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	13	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	13	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	13	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	13	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	13	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	13	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	20	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	20	0.11
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	20	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	20	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	20	0.11
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	20	0.11
(1,3122)	1:225:A:TYR:HE1	1:229:A:ARG:HG2	4	0.11
(1,3122)	1:225:A:TYR:HE1	1:229:A:ARG:HG3	4	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3122)	1:225:A:TYR:HE2	1:229:A:ARG:HG2	4	0.11
(1,3122)	1:225:A:TYR:HE2	1:229:A:ARG:HG3	4	0.11
(1,3115)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	14	0.11
(1,3115)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	14	0.11
(1,3107)	1:128:A:TYR:HE1	1:162:A:TYR:HB2	7	0.11
(1,3107)	1:128:A:TYR:HE1	1:162:A:TYR:HB3	7	0.11
(1,3107)	1:128:A:TYR:HE2	1:162:A:TYR:HB2	7	0.11
(1,3107)	1:128:A:TYR:HE2	1:162:A:TYR:HB3	7	0.11
(1,3090)	1:125:A:LEU:HD11	1:162:A:TYR:HE1	6	0.11
(1,3090)	1:125:A:LEU:HD11	1:162:A:TYR:HE2	6	0.11
(1,3090)	1:125:A:LEU:HD12	1:162:A:TYR:HE1	6	0.11
(1,3090)	1:125:A:LEU:HD12	1:162:A:TYR:HE2	6	0.11
(1,3090)	1:125:A:LEU:HD13	1:162:A:TYR:HE1	6	0.11
(1,3090)	1:125:A:LEU:HD13	1:162:A:TYR:HE2	6	0.11
(1,3084)	1:162:A:TYR:HE1	1:186:A:GLN:HE21	9	0.11
(1,3084)	1:162:A:TYR:HE2	1:186:A:GLN:HE21	9	0.11
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	6	0.11
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	6	0.11
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	6	0.11
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	6	0.11
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	10	0.11
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	10	0.11
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	10	0.11
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	10	0.11
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE1	2	0.11
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE2	2	0.11
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE1	10	0.11
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE2	10	0.11
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE1	18	0.11
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE2	18	0.11
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	13	0.11
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	13	0.11
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	13	0.11
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	13	0.11
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	13	0.11
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	13	0.11
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	14	0.11
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	14	0.11
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	14	0.11
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	14	0.11
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	14	0.11
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	14	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	4	0.11
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	4	0.11
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	16	0.11
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	16	0.11
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	17	0.11
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	17	0.11
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	3	0.11
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	3	0.11
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	3	0.11
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	3	0.11
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	9	0.11
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	9	0.11
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	9	0.11
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	9	0.11
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	15	0.11
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	15	0.11
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	15	0.11
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	15	0.11
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	16	0.11
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	16	0.11
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	16	0.11
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	16	0.11
(1,3010)	1:145:A:TRP:HH2	1:201:A:THR:HG21	16	0.11
(1,3010)	1:145:A:TRP:HH2	1:201:A:THR:HG22	16	0.11
(1,3010)	1:145:A:TRP:HH2	1:201:A:THR:HG23	16	0.11
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE1	9	0.11
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE2	9	0.11
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE3	9	0.11
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE1	11	0.11
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE2	11	0.11
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE3	11	0.11
(1,2969)	1:139:A:ILE:HG21	1:141:A:PHE:HE1	8	0.11
(1,2969)	1:139:A:ILE:HG21	1:141:A:PHE:HE2	8	0.11
(1,2969)	1:139:A:ILE:HG22	1:141:A:PHE:HE1	8	0.11
(1,2969)	1:139:A:ILE:HG22	1:141:A:PHE:HE2	8	0.11
(1,2969)	1:139:A:ILE:HG23	1:141:A:PHE:HE1	8	0.11
(1,2969)	1:139:A:ILE:HG23	1:141:A:PHE:HE2	8	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	1	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	1	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	1	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	1	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	1	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	1	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	5	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	5	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	5	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	5	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	5	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	5	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	6	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	6	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	6	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	6	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	6	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	6	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	12	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	12	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	12	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	12	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	12	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	12	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	16	0.11
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	16	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	16	0.11
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	16	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	16	0.11
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	16	0.11
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	2	0.11
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	2	0.11
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	2	0.11
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	2	0.11
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	2	0.11
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	2	0.11
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	11	0.11
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	11	0.11
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	11	0.11
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	11	0.11
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	11	0.11
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	11	0.11
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	20	0.11
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	20	0.11
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	20	0.11
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	20	0.11
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	20	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	20	0.11
(1,2942)	1:196:A:GLU:HB2	1:198:A:PHE:HD1	12	0.11
(1,2942)	1:196:A:GLU:HB2	1:198:A:PHE:HD2	12	0.11
(1,2942)	1:196:A:GLU:HB3	1:198:A:PHE:HD1	12	0.11
(1,2942)	1:196:A:GLU:HB3	1:198:A:PHE:HD2	12	0.11
(1,2908)	1:175:A:PHE:HE1	1:179:A:CYS:HA	2	0.11
(1,2908)	1:175:A:PHE:HE2	1:179:A:CYS:HA	2	0.11
(1,2908)	1:175:A:PHE:HE1	1:179:A:CYS:HA	5	0.11
(1,2908)	1:175:A:PHE:HE2	1:179:A:CYS:HA	5	0.11
(1,2908)	1:175:A:PHE:HE1	1:179:A:CYS:HA	10	0.11
(1,2908)	1:175:A:PHE:HE2	1:179:A:CYS:HA	10	0.11
(1,2908)	1:175:A:PHE:HE1	1:179:A:CYS:HA	15	0.11
(1,2908)	1:175:A:PHE:HE2	1:179:A:CYS:HA	15	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	1	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	1	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	1	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	1	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	1	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	1	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	3	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	3	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	3	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	3	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	3	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	3	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	4	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	4	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	4	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	4	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	4	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	4	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	8	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	8	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	8	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	8	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	8	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	8	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	11	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	11	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	11	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	11	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	11	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	11	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	18	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	18	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	18	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	18	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	18	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	18	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG21	19	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG22	19	0.11
(1,2907)	1:175:A:PHE:HE1	1:176:A:VAL:HG23	19	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG21	19	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG22	19	0.11
(1,2907)	1:175:A:PHE:HE2	1:176:A:VAL:HG23	19	0.11
(1,2898)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	6	0.11
(1,2898)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	6	0.11
(1,2898)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	6	0.11
(1,2898)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	6	0.11
(1,2898)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	6	0.11
(1,2898)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	6	0.11
(1,2898)	1:176:A:VAL:HG21	1:218:A:TYR:HD1	13	0.11
(1,2898)	1:176:A:VAL:HG21	1:218:A:TYR:HD2	13	0.11
(1,2898)	1:176:A:VAL:HG22	1:218:A:TYR:HD1	13	0.11
(1,2898)	1:176:A:VAL:HG22	1:218:A:TYR:HD2	13	0.11
(1,2898)	1:176:A:VAL:HG23	1:218:A:TYR:HD1	13	0.11
(1,2898)	1:176:A:VAL:HG23	1:218:A:TYR:HD2	13	0.11
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	2	0.11
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	2	0.11
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	2	0.11
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	2	0.11
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	2	0.11
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	2	0.11
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD1	18	0.11
(1,2866)	1:122:A:VAL:HG11	1:162:A:TYR:HD2	18	0.11
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD1	18	0.11
(1,2866)	1:122:A:VAL:HG12	1:162:A:TYR:HD2	18	0.11
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD1	18	0.11
(1,2866)	1:122:A:VAL:HG13	1:162:A:TYR:HD2	18	0.11
(1,2823)	1:149:A:TYR:HD1	1:150:A:TYR:HD1	2	0.11
(1,2823)	1:149:A:TYR:HD1	1:150:A:TYR:HD2	2	0.11
(1,2823)	1:149:A:TYR:HD2	1:150:A:TYR:HD1	2	0.11
(1,2823)	1:149:A:TYR:HD2	1:150:A:TYR:HD2	2	0.11
(1,2802)	1:150:A:TYR:HD1	1:157:A:TYR:HE1	14	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2802)	1:150:A:TYR:HD1	1:157:A:TYR:HE2	14	0.11
(1,2802)	1:150:A:TYR:HD2	1:157:A:TYR:HE1	14	0.11
(1,2802)	1:150:A:TYR:HD2	1:157:A:TYR:HE2	14	0.11
(1,2797)	1:149:A:TYR:HD1	1:153:A:ASN:HB3	17	0.11
(1,2797)	1:149:A:TYR:HD2	1:153:A:ASN:HB3	17	0.11
(1,2782)	1:166:A:VAL:H	1:169:A:TYR:HD1	5	0.11
(1,2782)	1:166:A:VAL:H	1:169:A:TYR:HD2	5	0.11
(1,2782)	1:166:A:VAL:H	1:169:A:TYR:HD1	17	0.11
(1,2782)	1:166:A:VAL:H	1:169:A:TYR:HD2	17	0.11
(1,2668)	1:208:A:ARG:HD2	1:212:A:GLN:HE22	3	0.11
(1,2559)	1:171:A:ASN:H	1:174:A:ASN:HB3	8	0.11
(1,2545)	1:152:A:GLU:H	1:152:A:GLU:HG2	14	0.11
(1,2517)	1:210:A:VAL:HG11	1:212:A:GLN:H	16	0.11
(1,2517)	1:210:A:VAL:HG12	1:212:A:GLN:H	16	0.11
(1,2517)	1:210:A:VAL:HG13	1:212:A:GLN:H	16	0.11
(1,2409)	1:220:A:LYS:HB3	1:221:A:GLU:H	7	0.11
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG21	14	0.11
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG22	14	0.11
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG23	14	0.11
(1,2359)	1:153:A:ASN:HB3	1:154:A:MET:H	10	0.11
(1,2333)	1:174:A:ASN:H	1:174:A:ASN:HB3	11	0.11
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG11	18	0.11
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG12	18	0.11
(1,2252)	1:214:A:CYS:H	1:215:A:VAL:HG13	18	0.11
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	2	0.11
(1,2233)	1:166:A:VAL:HG11	1:226:A:TYR:H	18	0.11
(1,2233)	1:166:A:VAL:HG12	1:226:A:TYR:H	18	0.11
(1,2233)	1:166:A:VAL:HG13	1:226:A:TYR:H	18	0.11
(1,2233)	1:166:A:VAL:HG21	1:226:A:TYR:H	18	0.11
(1,2233)	1:166:A:VAL:HG22	1:226:A:TYR:H	18	0.11
(1,2233)	1:166:A:VAL:HG23	1:226:A:TYR:H	18	0.11
(1,2143)	1:149:A:TYR:HB2	1:150:A:TYR:H	1	0.11
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	1	0.11
(1,2026)	1:140:A:HIS:H	1:140:A:HIS:HB3	7	0.11
(1,1937)	1:139:A:ILE:HD11	1:208:A:ARG:HE	1	0.11
(1,1937)	1:139:A:ILE:HD12	1:208:A:ARG:HE	1	0.11
(1,1937)	1:139:A:ILE:HD13	1:208:A:ARG:HE	1	0.11
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	1	0.11
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	1	0.11
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	1	0.11
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	1	0.11
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	2	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	2	0.11
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	2	0.11
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	2	0.11
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	15	0.11
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	15	0.11
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	15	0.11
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	15	0.11
(1,1783)	1:209:A:VAL:HG11	1:212:A:GLN:HB3	3	0.11
(1,1783)	1:209:A:VAL:HG12	1:212:A:GLN:HB3	3	0.11
(1,1783)	1:209:A:VAL:HG13	1:212:A:GLN:HB3	3	0.11
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	12	0.11
(1,1700)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	1	0.11
(1,1700)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	1	0.11
(1,1700)	1:143:A:ASN:HB2	1:146:A:GLU:HB3	17	0.11
(1,1700)	1:143:A:ASN:HB3	1:146:A:GLU:HB3	17	0.11
(1,1673)	1:184:A:ILE:HA	1:184:A:ILE:HG13	10	0.11
(1,1660)	1:180:A:VAL:HG21	1:184:A:ILE:HG12	12	0.11
(1,1660)	1:180:A:VAL:HG22	1:184:A:ILE:HG12	12	0.11
(1,1660)	1:180:A:VAL:HG23	1:184:A:ILE:HG12	12	0.11
(1,1585)	1:130:A:LEU:HD11	1:160:A:GLN:HA	7	0.11
(1,1585)	1:130:A:LEU:HD12	1:160:A:GLN:HA	7	0.11
(1,1585)	1:130:A:LEU:HD13	1:160:A:GLN:HA	7	0.11
(1,1575)	1:133:A:ALA:HB1	1:134:A:MET:HG3	8	0.11
(1,1575)	1:133:A:ALA:HB2	1:134:A:MET:HG3	8	0.11
(1,1575)	1:133:A:ALA:HB3	1:134:A:MET:HG3	8	0.11
(1,1572)	1:134:A:MET:HA	1:134:A:MET:HG3	10	0.11
(1,1468)	1:150:A:TYR:HD1	1:209:A:VAL:HB	11	0.11
(1,1468)	1:150:A:TYR:HD2	1:209:A:VAL:HB	11	0.11
(1,1406)	1:130:A:LEU:HA	1:160:A:GLN:HB2	15	0.11
(1,1359)	1:139:A:ILE:HG21	1:212:A:GLN:HG2	5	0.11
(1,1359)	1:139:A:ILE:HG22	1:212:A:GLN:HG2	5	0.11
(1,1359)	1:139:A:ILE:HG23	1:212:A:GLN:HG2	5	0.11
(1,1351)	1:204:A:LYS:HG3	1:205:A:MET:HG2	11	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	1	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	1	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	1	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	2	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	2	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	2	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	4	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	4	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	4	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	9	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	9	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	9	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	12	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	12	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	12	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	13	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	13	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	13	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	16	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	16	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	16	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	17	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	17	0.11
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	17	0.11
(1,1270)	1:202:A:ASP:HA	1:205:A:MET:HB3	18	0.11
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG21	5	0.11
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG22	5	0.11
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG23	5	0.11
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG21	13	0.11
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG22	13	0.11
(1,1163)	1:200:A:GLU:HG3	1:203:A:VAL:HG23	13	0.11
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	8	0.11
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	8	0.11
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	8	0.11
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	8	0.11
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	8	0.11
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	8	0.11
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	8	0.11
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	8	0.11
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	8	0.11
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	20	0.11
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	20	0.11
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	20	0.11
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	20	0.11
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	20	0.11
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	20	0.11
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	20	0.11
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	20	0.11
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	20	0.11
(1,1140)	1:183:A:THR:HA	1:184:A:ILE:HD11	12	0.11
(1,1140)	1:183:A:THR:HA	1:184:A:ILE:HD12	12	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1140)	1:183:A:THR:HA	1:184:A:ILE:HD13	12	0.11
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD11	15	0.11
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD12	15	0.11
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD13	15	0.11
(1,1106)	1:150:A:TYR:HE1	1:154:A:MET:HA	12	0.11
(1,1106)	1:150:A:TYR:HE2	1:154:A:MET:HA	12	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB1	7	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB2	7	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB3	7	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB1	9	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB2	9	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB3	9	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB1	11	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB2	11	0.11
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB3	11	0.11
(1,1083)	1:225:A:TYR:HD1	1:226:A:TYR:HA	19	0.11
(1,1083)	1:225:A:TYR:HD2	1:226:A:TYR:HA	19	0.11
(1,1047)	1:205:A:MET:HA	1:208:A:ARG:HB3	6	0.11
(1,1040)	1:206:A:MET:HA	1:209:A:VAL:HB	11	0.11
(1,968)	1:171:A:ASN:HD22	1:173:A:ASN:HB2	20	0.11
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	6	0.11
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	9	0.11
(1,872)	1:182:A:ILE:HA	1:185:A:LYS:HB2	11	0.11
(1,866)	1:138:A:MET:HE1	1:151:A:ARG:HD2	11	0.11
(1,866)	1:138:A:MET:HE2	1:151:A:ARG:HD2	11	0.11
(1,866)	1:138:A:MET:HE3	1:151:A:ARG:HD2	11	0.11
(1,848)	1:166:A:VAL:HG11	1:167:A:ASP:HB2	5	0.11
(1,848)	1:166:A:VAL:HG12	1:167:A:ASP:HB2	5	0.11
(1,848)	1:166:A:VAL:HG13	1:167:A:ASP:HB2	5	0.11
(1,835)	1:166:A:VAL:HG11	1:167:A:ASP:HB3	4	0.11
(1,835)	1:166:A:VAL:HG12	1:167:A:ASP:HB3	4	0.11
(1,835)	1:166:A:VAL:HG13	1:167:A:ASP:HB3	4	0.11
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE1	4	0.11
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE2	4	0.11
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE3	4	0.11
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE1	4	0.11
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE2	4	0.11
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE3	4	0.11
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE1	4	0.11
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE2	4	0.11
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE3	4	0.11
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE1	15	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE2	15	0.11
(1,834)	1:139:A:ILE:HD11	1:213:A:MET:HE3	15	0.11
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE1	15	0.11
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE2	15	0.11
(1,834)	1:139:A:ILE:HD12	1:213:A:MET:HE3	15	0.11
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE1	15	0.11
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE2	15	0.11
(1,834)	1:139:A:ILE:HD13	1:213:A:MET:HE3	15	0.11
(1,822)	1:136:A:ARG:HA	1:213:A:MET:HE1	10	0.11
(1,822)	1:136:A:ARG:HA	1:213:A:MET:HE2	10	0.11
(1,822)	1:136:A:ARG:HA	1:213:A:MET:HE3	10	0.11
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	1	0.11
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	1	0.11
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	1	0.11
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	1	0.11
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	1	0.11
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	1	0.11
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	1	0.11
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	1	0.11
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	1	0.11
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	1	0.11
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	1	0.11
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	1	0.11
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE1	4	0.11
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE2	4	0.11
(1,787)	1:122:A:VAL:HG11	1:129:A:MET:HE3	4	0.11
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE1	4	0.11
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE2	4	0.11
(1,787)	1:122:A:VAL:HG12	1:129:A:MET:HE3	4	0.11
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE1	4	0.11
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE2	4	0.11
(1,787)	1:122:A:VAL:HG13	1:129:A:MET:HE3	4	0.11
(1,784)	1:129:A:MET:HE1	1:221:A:GLU:HG3	18	0.11
(1,784)	1:129:A:MET:HE2	1:221:A:GLU:HG3	18	0.11
(1,784)	1:129:A:MET:HE3	1:221:A:GLU:HG3	18	0.11
(1,757)	1:138:A:MET:H	1:154:A:MET:HE1	17	0.11
(1,757)	1:138:A:MET:H	1:154:A:MET:HE2	17	0.11
(1,757)	1:138:A:MET:H	1:154:A:MET:HE3	17	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE1	6	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE2	6	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE3	6	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE1	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE2	7	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE3	7	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE1	14	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE2	14	0.11
(1,731)	1:134:A:MET:HB3	1:134:A:MET:HE3	14	0.11
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE1	8	0.11
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE2	8	0.11
(1,729)	1:134:A:MET:HG3	1:134:A:MET:HE3	8	0.11
(1,728)	1:134:A:MET:HE1	1:220:A:LYS:HE2	3	0.11
(1,728)	1:134:A:MET:HE1	1:220:A:LYS:HE3	3	0.11
(1,728)	1:134:A:MET:HE2	1:220:A:LYS:HE2	3	0.11
(1,728)	1:134:A:MET:HE2	1:220:A:LYS:HE3	3	0.11
(1,728)	1:134:A:MET:HE3	1:220:A:LYS:HE2	3	0.11
(1,728)	1:134:A:MET:HE3	1:220:A:LYS:HE3	3	0.11
(1,703)	1:191:A:THR:HA	1:194:A:LYS:HB3	16	0.11
(1,688)	1:166:A:VAL:HG11	1:170:A:SER:HB2	17	0.11
(1,688)	1:166:A:VAL:HG12	1:170:A:SER:HB2	17	0.11
(1,688)	1:166:A:VAL:HG13	1:170:A:SER:HB2	17	0.11
(1,675)	1:161:A:VAL:HG21	1:179:A:CYS:HA	4	0.11
(1,675)	1:161:A:VAL:HG22	1:179:A:CYS:HA	4	0.11
(1,675)	1:161:A:VAL:HG23	1:179:A:CYS:HA	4	0.11
(1,675)	1:161:A:VAL:HG21	1:179:A:CYS:HA	8	0.11
(1,675)	1:161:A:VAL:HG22	1:179:A:CYS:HA	8	0.11
(1,675)	1:161:A:VAL:HG23	1:179:A:CYS:HA	8	0.11
(1,675)	1:161:A:VAL:HG21	1:179:A:CYS:HA	13	0.11
(1,675)	1:161:A:VAL:HG22	1:179:A:CYS:HA	13	0.11
(1,675)	1:161:A:VAL:HG23	1:179:A:CYS:HA	13	0.11
(1,675)	1:161:A:VAL:HG21	1:179:A:CYS:HA	16	0.11
(1,675)	1:161:A:VAL:HG22	1:179:A:CYS:HA	16	0.11
(1,675)	1:161:A:VAL:HG23	1:179:A:CYS:HA	16	0.11
(1,670)	1:201:A:THR:HG21	1:205:A:MET:HE1	16	0.11
(1,670)	1:201:A:THR:HG21	1:205:A:MET:HE2	16	0.11
(1,670)	1:201:A:THR:HG21	1:205:A:MET:HE3	16	0.11
(1,670)	1:201:A:THR:HG22	1:205:A:MET:HE1	16	0.11
(1,670)	1:201:A:THR:HG22	1:205:A:MET:HE2	16	0.11
(1,670)	1:201:A:THR:HG22	1:205:A:MET:HE3	16	0.11
(1,670)	1:201:A:THR:HG23	1:205:A:MET:HE1	16	0.11
(1,670)	1:201:A:THR:HG23	1:205:A:MET:HE2	16	0.11
(1,670)	1:201:A:THR:HG23	1:205:A:MET:HE3	16	0.11
(1,635)	1:161:A:VAL:HG21	1:217:A:GLN:HA	8	0.11
(1,635)	1:161:A:VAL:HG22	1:217:A:GLN:HA	8	0.11
(1,635)	1:161:A:VAL:HG23	1:217:A:GLN:HA	8	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB2	9	0.11
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB3	9	0.11
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB2	19	0.11
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB3	19	0.11
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	3	0.11
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	3	0.11
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE2	9	0.11
(1,542)	1:181:A:ASN:HD22	1:185:A:LYS:HE3	9	0.11
(1,523)	1:193:A:THR:HG21	1:194:A:LYS:HE2	17	0.11
(1,523)	1:193:A:THR:HG21	1:194:A:LYS:HE3	17	0.11
(1,523)	1:193:A:THR:HG22	1:194:A:LYS:HE2	17	0.11
(1,523)	1:193:A:THR:HG22	1:194:A:LYS:HE3	17	0.11
(1,523)	1:193:A:THR:HG23	1:194:A:LYS:HE2	17	0.11
(1,523)	1:193:A:THR:HG23	1:194:A:LYS:HE3	17	0.11
(1,490)	1:137:A:PRO:HD3	1:209:A:VAL:HA	20	0.11
(1,474)	1:148:A:ARG:HD2	1:149:A:TYR:HA	8	0.11
(1,474)	1:148:A:ARG:HD3	1:149:A:TYR:HA	8	0.11
(1,474)	1:148:A:ARG:HD2	1:149:A:TYR:HA	16	0.11
(1,474)	1:148:A:ARG:HD3	1:149:A:TYR:HA	16	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG21	5	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG22	5	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG23	5	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG21	14	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG22	14	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG23	14	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG21	17	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG22	17	0.11
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG23	17	0.11
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG2	13	0.11
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG3	13	0.11
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG2	13	0.11
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG3	13	0.11
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG2	13	0.11
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG3	13	0.11
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG2	17	0.11
(1,466)	1:122:A:VAL:HG11	1:129:A:MET:HG3	17	0.11
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG2	17	0.11
(1,466)	1:122:A:VAL:HG12	1:129:A:MET:HG3	17	0.11
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG2	17	0.11
(1,466)	1:122:A:VAL:HG13	1:129:A:MET:HG3	17	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	3	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	3	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	3	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	5	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	5	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	5	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	6	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	6	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	6	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	9	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	9	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	9	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	18	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	18	0.11
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	18	0.11
(1,429)	1:136:A:ARG:HD3	1:154:A:MET:HG3	20	0.11
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG21	2	0.11
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG22	2	0.11
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG23	2	0.11
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG21	2	0.11
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG22	2	0.11
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG23	2	0.11
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG21	2	0.11
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG22	2	0.11
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG23	2	0.11
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG21	12	0.11
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG22	12	0.11
(1,413)	1:189:A:VAL:HG11	1:192:A:THR:HG23	12	0.11
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG21	12	0.11
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG22	12	0.11
(1,413)	1:189:A:VAL:HG12	1:192:A:THR:HG23	12	0.11
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG21	12	0.11
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG22	12	0.11
(1,413)	1:189:A:VAL:HG13	1:192:A:THR:HG23	12	0.11
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG21	7	0.11
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG22	7	0.11
(1,407)	1:209:A:VAL:HG21	1:210:A:VAL:HG23	7	0.11
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG21	7	0.11
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG22	7	0.11
(1,407)	1:209:A:VAL:HG22	1:210:A:VAL:HG23	7	0.11
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG21	7	0.11
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG22	7	0.11
(1,407)	1:209:A:VAL:HG23	1:210:A:VAL:HG23	7	0.11
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	7	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	7	0.11
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	7	0.11
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	15	0.11
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	15	0.11
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	15	0.11
(1,373)	1:215:A:VAL:HG21	1:216:A:THR:HA	17	0.11
(1,373)	1:215:A:VAL:HG22	1:216:A:THR:HA	17	0.11
(1,373)	1:215:A:VAL:HG23	1:216:A:THR:HA	17	0.11
(1,369)	1:215:A:VAL:HG21	1:219:A:GLN:HE21	14	0.11
(1,369)	1:215:A:VAL:HG22	1:219:A:GLN:HE21	14	0.11
(1,369)	1:215:A:VAL:HG23	1:219:A:GLN:HE21	14	0.11
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	3	0.11
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	3	0.11
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	3	0.11
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	3	0.11
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	3	0.11
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	3	0.11
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	3	0.11
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	3	0.11
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	3	0.11
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	12	0.11
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	12	0.11
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	12	0.11
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	12	0.11
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	12	0.11
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	12	0.11
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	12	0.11
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	12	0.11
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	12	0.11
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	18	0.11
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	18	0.11
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	18	0.11
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	18	0.11
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	18	0.11
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	18	0.11
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	18	0.11
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	18	0.11
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	18	0.11
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG21	2	0.11
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG22	2	0.11
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG23	2	0.11
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG21	8	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG22	8	0.11
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG23	8	0.11
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	5	0.11
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	5	0.11
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	5	0.11
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	5	0.11
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	5	0.11
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	5	0.11
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	6	0.11
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	6	0.11
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	6	0.11
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	6	0.11
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	6	0.11
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	6	0.11
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	9	0.11
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	9	0.11
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	9	0.11
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	9	0.11
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	9	0.11
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	9	0.11
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG21	1	0.11
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG22	1	0.11
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG23	1	0.11
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG21	1	0.11
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG22	1	0.11
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG23	1	0.11
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG21	9	0.11
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG22	9	0.11
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG23	9	0.11
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG21	9	0.11
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG22	9	0.11
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG23	9	0.11
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG21	18	0.11
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG22	18	0.11
(1,324)	1:185:A:LYS:HE2	1:190:A:THR:HG23	18	0.11
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG21	18	0.11
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG22	18	0.11
(1,324)	1:185:A:LYS:HE3	1:190:A:THR:HG23	18	0.11
(1,323)	1:193:A:THR:HG21	1:194:A:LYS:HG3	15	0.11
(1,323)	1:193:A:THR:HG22	1:194:A:LYS:HG3	15	0.11
(1,323)	1:193:A:THR:HG23	1:194:A:LYS:HG3	15	0.11
(1,323)	1:193:A:THR:HG21	1:194:A:LYS:HG3	17	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,323)	1:193:A:THR:HG22	1:194:A:LYS:HG3	17	0.11
(1,323)	1:193:A:THR:HG23	1:194:A:LYS:HG3	17	0.11
(1,318)	1:166:A:VAL:HG21	1:167:A:ASP:HA	2	0.11
(1,318)	1:166:A:VAL:HG22	1:167:A:ASP:HA	2	0.11
(1,318)	1:166:A:VAL:HG23	1:167:A:ASP:HA	2	0.11
(1,318)	1:166:A:VAL:HG21	1:167:A:ASP:HA	3	0.11
(1,318)	1:166:A:VAL:HG22	1:167:A:ASP:HA	3	0.11
(1,318)	1:166:A:VAL:HG23	1:167:A:ASP:HA	3	0.11
(1,318)	1:166:A:VAL:HG21	1:167:A:ASP:HA	4	0.11
(1,318)	1:166:A:VAL:HG22	1:167:A:ASP:HA	4	0.11
(1,318)	1:166:A:VAL:HG23	1:167:A:ASP:HA	4	0.11
(1,318)	1:166:A:VAL:HG21	1:167:A:ASP:HA	10	0.11
(1,318)	1:166:A:VAL:HG22	1:167:A:ASP:HA	10	0.11
(1,318)	1:166:A:VAL:HG23	1:167:A:ASP:HA	10	0.11
(1,318)	1:166:A:VAL:HG21	1:167:A:ASP:HA	12	0.11
(1,318)	1:166:A:VAL:HG22	1:167:A:ASP:HA	12	0.11
(1,318)	1:166:A:VAL:HG23	1:167:A:ASP:HA	12	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	5	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	5	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	5	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	5	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	5	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	5	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	5	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	5	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	5	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	13	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	13	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	13	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	13	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	13	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	13	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	13	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	13	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	13	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	18	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	18	0.11
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	18	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	18	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	18	0.11
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	18	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	18	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	18	0.11
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	18	0.11
(1,291)	1:176:A:VAL:HG11	1:181:A:ASN:H	7	0.11
(1,291)	1:176:A:VAL:HG12	1:181:A:ASN:H	7	0.11
(1,291)	1:176:A:VAL:HG13	1:181:A:ASN:H	7	0.11
(1,291)	1:176:A:VAL:HG11	1:181:A:ASN:H	9	0.11
(1,291)	1:176:A:VAL:HG12	1:181:A:ASN:H	9	0.11
(1,291)	1:176:A:VAL:HG13	1:181:A:ASN:H	9	0.11
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG21	6	0.11
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG22	6	0.11
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG23	6	0.11
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG21	20	0.11
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG22	20	0.11
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG23	20	0.11
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	10	0.11
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	10	0.11
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	10	0.11
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	10	0.11
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	10	0.11
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	10	0.11
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	13	0.11
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	13	0.11
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	13	0.11
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	13	0.11
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	13	0.11
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	13	0.11
(1,247)	1:216:A:THR:HG21	1:217:A:GLN:HG2	4	0.11
(1,247)	1:216:A:THR:HG22	1:217:A:GLN:HG2	4	0.11
(1,247)	1:216:A:THR:HG23	1:217:A:GLN:HG2	4	0.11
(1,247)	1:216:A:THR:HG21	1:217:A:GLN:HG2	6	0.11
(1,247)	1:216:A:THR:HG22	1:217:A:GLN:HG2	6	0.11
(1,247)	1:216:A:THR:HG23	1:217:A:GLN:HG2	6	0.11
(1,247)	1:216:A:THR:HG21	1:217:A:GLN:HG2	11	0.11
(1,247)	1:216:A:THR:HG22	1:217:A:GLN:HG2	11	0.11
(1,247)	1:216:A:THR:HG23	1:217:A:GLN:HG2	11	0.11
(1,247)	1:216:A:THR:HG21	1:217:A:GLN:HG2	13	0.11
(1,247)	1:216:A:THR:HG22	1:217:A:GLN:HG2	13	0.11
(1,247)	1:216:A:THR:HG23	1:217:A:GLN:HG2	13	0.11
(1,247)	1:216:A:THR:HG21	1:217:A:GLN:HG2	15	0.11
(1,247)	1:216:A:THR:HG22	1:217:A:GLN:HG2	15	0.11
(1,247)	1:216:A:THR:HG23	1:217:A:GLN:HG2	15	0.11
(1,247)	1:216:A:THR:HG21	1:217:A:GLN:HG2	19	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,247)	1:216:A:THR:HG22	1:217:A:GLN:HG2	19	0.11
(1,247)	1:216:A:THR:HG23	1:217:A:GLN:HG2	19	0.11
(1,211)	1:195:A:GLY:HA2	1:196:A:GLU:HB2	18	0.11
(1,211)	1:195:A:GLY:HA2	1:196:A:GLU:HB3	18	0.11
(1,211)	1:195:A:GLY:HA2	1:196:A:GLU:HB2	19	0.11
(1,211)	1:195:A:GLY:HA2	1:196:A:GLU:HB3	19	0.11
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	18	0.11
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	18	0.11
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	18	0.11
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	18	0.11
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	18	0.11
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	18	0.11
(1,122)	1:125:A:LEU:HD21	1:186:A:GLN:HB3	14	0.11
(1,122)	1:125:A:LEU:HD22	1:186:A:GLN:HB3	14	0.11
(1,122)	1:125:A:LEU:HD23	1:186:A:GLN:HB3	14	0.11
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	3	0.11
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	3	0.11
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	3	0.11
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG11	11	0.11
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG12	11	0.11
(1,100)	1:139:A:ILE:HG21	1:209:A:VAL:HG13	11	0.11
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG11	11	0.11
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG12	11	0.11
(1,100)	1:139:A:ILE:HG22	1:209:A:VAL:HG13	11	0.11
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG11	11	0.11
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG12	11	0.11
(1,100)	1:139:A:ILE:HG23	1:209:A:VAL:HG13	11	0.11
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	8	0.11
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	8	0.11
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	8	0.11
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	8	0.11
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	8	0.11
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	8	0.11
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	19	0.11
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	19	0.11
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	19	0.11
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	19	0.11
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	19	0.11
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	19	0.11
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE1	14	0.11
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE2	14	0.11
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE3	14	0.11

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE1	14	0.11
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE2	14	0.11
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE3	14	0.11
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE1	14	0.11
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE2	14	0.11
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE3	14	0.11
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	5	0.11
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	5	0.11
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	5	0.11
(1,39)	1:125:A:LEU:HD11	1:189:A:VAL:HB	6	0.11
(1,39)	1:125:A:LEU:HD12	1:189:A:VAL:HB	6	0.11
(1,39)	1:125:A:LEU:HD13	1:189:A:VAL:HB	6	0.11
(1,23)	1:204:A:LYS:H	1:204:A:LYS:HG3	10	0.11
(1,15)	1:130:A:LEU:HD21	1:133:A:ALA:HB1	16	0.11
(1,15)	1:130:A:LEU:HD21	1:133:A:ALA:HB2	16	0.11
(1,15)	1:130:A:LEU:HD21	1:133:A:ALA:HB3	16	0.11
(1,15)	1:130:A:LEU:HD22	1:133:A:ALA:HB1	16	0.11
(1,15)	1:130:A:LEU:HD22	1:133:A:ALA:HB2	16	0.11
(1,15)	1:130:A:LEU:HD22	1:133:A:ALA:HB3	16	0.11
(1,15)	1:130:A:LEU:HD23	1:133:A:ALA:HB1	16	0.11
(1,15)	1:130:A:LEU:HD23	1:133:A:ALA:HB2	16	0.11
(1,15)	1:130:A:LEU:HD23	1:133:A:ALA:HB3	16	0.11
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE1	4	0.1
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE2	4	0.1
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE3	4	0.1
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE1	4	0.1
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE2	4	0.1
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE3	4	0.1
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE1	6	0.1
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE2	6	0.1
(1,6329)	1:157:A:TYR:HE1	1:206:A:MET:HE3	6	0.1
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE1	6	0.1
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE2	6	0.1
(1,6329)	1:157:A:TYR:HE2	1:206:A:MET:HE3	6	0.1
(1,6312)	1:171:A:ASN:HA	1:218:A:TYR:HE1	10	0.1
(1,6312)	1:171:A:ASN:HA	1:218:A:TYR:HE2	10	0.1
(1,6303)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	17	0.1
(1,6303)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	17	0.1
(1,6301)	1:132:A:SER:H	1:163:A:TYR:HE1	9	0.1
(1,6301)	1:132:A:SER:H	1:163:A:TYR:HE2	9	0.1
(1,6301)	1:132:A:SER:H	1:163:A:TYR:HE1	14	0.1
(1,6301)	1:132:A:SER:H	1:163:A:TYR:HE2	14	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6300)	1:163:A:TYR:H	1:163:A:TYR:HE1	8	0.1
(1,6300)	1:163:A:TYR:H	1:163:A:TYR:HE2	8	0.1
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	6	0.1
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	6	0.1
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	6	0.1
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	6	0.1
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	6	0.1
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	6	0.1
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG21	10	0.1
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG22	10	0.1
(1,6295)	1:149:A:TYR:HE1	1:201:A:THR:HG23	10	0.1
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG21	10	0.1
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG22	10	0.1
(1,6295)	1:149:A:TYR:HE2	1:201:A:THR:HG23	10	0.1
(1,6291)	1:225:A:TYR:HE1	1:229:A:ARG:HG2	5	0.1
(1,6291)	1:225:A:TYR:HE1	1:229:A:ARG:HG3	5	0.1
(1,6291)	1:225:A:TYR:HE2	1:229:A:ARG:HG2	5	0.1
(1,6291)	1:225:A:TYR:HE2	1:229:A:ARG:HG3	5	0.1
(1,6291)	1:225:A:TYR:HE1	1:229:A:ARG:HG2	20	0.1
(1,6291)	1:225:A:TYR:HE1	1:229:A:ARG:HG3	20	0.1
(1,6291)	1:225:A:TYR:HE2	1:229:A:ARG:HG2	20	0.1
(1,6291)	1:225:A:TYR:HE2	1:229:A:ARG:HG3	20	0.1
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	12	0.1
(1,6290)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	12	0.1
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	12	0.1
(1,6290)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	12	0.1
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	12	0.1
(1,6290)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	12	0.1
(1,6285)	1:149:A:TYR:HE1	1:205:A:MET:HE1	16	0.1
(1,6285)	1:149:A:TYR:HE1	1:205:A:MET:HE2	16	0.1
(1,6285)	1:149:A:TYR:HE1	1:205:A:MET:HE3	16	0.1
(1,6285)	1:149:A:TYR:HE2	1:205:A:MET:HE1	16	0.1
(1,6285)	1:149:A:TYR:HE2	1:205:A:MET:HE2	16	0.1
(1,6285)	1:149:A:TYR:HE2	1:205:A:MET:HE3	16	0.1
(1,6284)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	13	0.1
(1,6284)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	13	0.1
(1,6269)	1:162:A:TYR:HE1	1:187:A:HIS:HA	5	0.1
(1,6269)	1:162:A:TYR:HE2	1:187:A:HIS:HA	5	0.1
(1,6264)	1:149:A:TYR:HE1	1:150:A:TYR:HA	4	0.1
(1,6264)	1:149:A:TYR:HE2	1:150:A:TYR:HA	4	0.1
(1,6264)	1:149:A:TYR:HE1	1:150:A:TYR:HA	16	0.1
(1,6264)	1:149:A:TYR:HE2	1:150:A:TYR:HA	16	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6264)	1:149:A:TYR:HE1	1:150:A:TYR:HA	20	0.1
(1,6264)	1:149:A:TYR:HE2	1:150:A:TYR:HA	20	0.1
(1,6259)	1:125:A:LEU:HD11	1:162:A:TYR:HE1	5	0.1
(1,6259)	1:125:A:LEU:HD11	1:162:A:TYR:HE2	5	0.1
(1,6259)	1:125:A:LEU:HD12	1:162:A:TYR:HE1	5	0.1
(1,6259)	1:125:A:LEU:HD12	1:162:A:TYR:HE2	5	0.1
(1,6259)	1:125:A:LEU:HD13	1:162:A:TYR:HE1	5	0.1
(1,6259)	1:125:A:LEU:HD13	1:162:A:TYR:HE2	5	0.1
(1,6253)	1:162:A:TYR:HE1	1:186:A:GLN:HE21	8	0.1
(1,6253)	1:162:A:TYR:HE2	1:186:A:GLN:HE21	8	0.1
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	7	0.1
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	7	0.1
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	7	0.1
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	7	0.1
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	8	0.1
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	8	0.1
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	8	0.1
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	8	0.1
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	12	0.1
(1,6247)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	12	0.1
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	12	0.1
(1,6247)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	12	0.1
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE1	10	0.1
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE2	10	0.1
(1,6240)	1:150:A:TYR:HE1	1:154:A:MET:HE3	10	0.1
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE1	10	0.1
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE2	10	0.1
(1,6240)	1:150:A:TYR:HE2	1:154:A:MET:HE3	10	0.1
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE1	16	0.1
(1,6236)	1:130:A:LEU:HG	1:162:A:TYR:HE2	16	0.1
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	6	0.1
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	6	0.1
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	6	0.1
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	6	0.1
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	6	0.1
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	6	0.1
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE1	15	0.1
(1,6234)	1:154:A:MET:HE1	1:155:A:TYR:HE2	15	0.1
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE1	15	0.1
(1,6234)	1:154:A:MET:HE2	1:155:A:TYR:HE2	15	0.1
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE1	15	0.1
(1,6234)	1:154:A:MET:HE3	1:155:A:TYR:HE2	15	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6220)	1:168:A:GLN:HG2	1:169:A:TYR:HE1	10	0.1
(1,6220)	1:168:A:GLN:HG2	1:169:A:TYR:HE2	10	0.1
(1,6220)	1:168:A:GLN:HG3	1:169:A:TYR:HE1	10	0.1
(1,6220)	1:168:A:GLN:HG3	1:169:A:TYR:HE2	10	0.1
(1,6220)	1:168:A:GLN:HG2	1:169:A:TYR:HE1	13	0.1
(1,6220)	1:168:A:GLN:HG2	1:169:A:TYR:HE2	13	0.1
(1,6220)	1:168:A:GLN:HG3	1:169:A:TYR:HE1	13	0.1
(1,6220)	1:168:A:GLN:HG3	1:169:A:TYR:HE2	13	0.1
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	6	0.1
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	6	0.1
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	10	0.1
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	10	0.1
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	11	0.1
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	11	0.1
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	13	0.1
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	13	0.1
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	15	0.1
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	15	0.1
(1,6217)	1:169:A:TYR:HE1	1:171:A:ASN:HA	18	0.1
(1,6217)	1:169:A:TYR:HE2	1:171:A:ASN:HA	18	0.1
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	20	0.1
(1,6214)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	20	0.1
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	20	0.1
(1,6214)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	20	0.1
(1,6209)	1:164:A:ARG:HG2	1:169:A:TYR:HE1	7	0.1
(1,6209)	1:164:A:ARG:HG2	1:169:A:TYR:HE2	7	0.1
(1,6209)	1:164:A:ARG:HG2	1:169:A:TYR:HE1	15	0.1
(1,6209)	1:164:A:ARG:HG2	1:169:A:TYR:HE2	15	0.1
(1,6199)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	15	0.1
(1,6179)	1:145:A:TRP:HH2	1:201:A:THR:HG21	18	0.1
(1,6179)	1:145:A:TRP:HH2	1:201:A:THR:HG22	18	0.1
(1,6179)	1:145:A:TRP:HH2	1:201:A:THR:HG23	18	0.1
(1,6175)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	9	0.1
(1,6175)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	9	0.1
(1,6175)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	9	0.1
(1,6175)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	11	0.1
(1,6175)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	11	0.1
(1,6175)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	11	0.1
(1,6175)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	18	0.1
(1,6175)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	18	0.1
(1,6175)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	18	0.1
(1,6169)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	12	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE1	7	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE2	7	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE3	7	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE1	14	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE2	14	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE3	14	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE1	15	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE2	15	0.1
(1,6159)	1:141:A:PHE:HZ	1:205:A:MET:HE3	15	0.1
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	7	0.1
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	7	0.1
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	7	0.1
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	7	0.1
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	7	0.1
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	7	0.1
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	10	0.1
(1,6137)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	10	0.1
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	10	0.1
(1,6137)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	10	0.1
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	10	0.1
(1,6137)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	10	0.1
(1,6132)	1:141:A:PHE:HE1	1:150:A:TYR:H	16	0.1
(1,6132)	1:141:A:PHE:HE2	1:150:A:TYR:H	16	0.1
(1,6131)	1:141:A:PHE:HE1	1:150:A:TYR:HA	4	0.1
(1,6131)	1:141:A:PHE:HE2	1:150:A:TYR:HA	4	0.1
(1,6131)	1:141:A:PHE:HE1	1:150:A:TYR:HA	16	0.1
(1,6131)	1:141:A:PHE:HE2	1:150:A:TYR:HA	16	0.1
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	19	0.1
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	19	0.1
(1,6130)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	19	0.1
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	19	0.1
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	19	0.1
(1,6130)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	19	0.1
(1,6111)	1:196:A:GLU:HB2	1:198:A:PHE:HD1	6	0.1
(1,6111)	1:196:A:GLU:HB2	1:198:A:PHE:HD2	6	0.1
(1,6111)	1:196:A:GLU:HB3	1:198:A:PHE:HD1	6	0.1
(1,6111)	1:196:A:GLU:HB3	1:198:A:PHE:HD2	6	0.1
(1,6099)	1:141:A:PHE:HD1	1:142:A:GLY:H	6	0.1
(1,6099)	1:141:A:PHE:HD2	1:142:A:GLY:H	6	0.1
(1,6077)	1:175:A:PHE:HE1	1:179:A:CYS:HA	19	0.1
(1,6077)	1:175:A:PHE:HE2	1:179:A:CYS:HA	19	0.1
(1,6062)	1:218:A:TYR:HD1	1:219:A:GLN:HA	1	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6062)	1:218:A:TYR:HD2	1:219:A:GLN:HA	1	0.1
(1,6032)	1:128:A:TYR:HB2	1:162:A:TYR:HD1	19	0.1
(1,6032)	1:128:A:TYR:HB2	1:162:A:TYR:HD2	19	0.1
(1,6032)	1:128:A:TYR:HB3	1:162:A:TYR:HD1	19	0.1
(1,6032)	1:128:A:TYR:HB3	1:162:A:TYR:HD2	19	0.1
(1,5996)	1:223:A:GLN:H	1:226:A:TYR:HD1	6	0.1
(1,5996)	1:223:A:GLN:H	1:226:A:TYR:HD2	6	0.1
(1,5996)	1:223:A:GLN:H	1:226:A:TYR:HD1	19	0.1
(1,5996)	1:223:A:GLN:H	1:226:A:TYR:HD2	19	0.1
(1,5991)	1:149:A:TYR:HD1	1:201:A:THR:HG21	14	0.1
(1,5991)	1:149:A:TYR:HD1	1:201:A:THR:HG22	14	0.1
(1,5991)	1:149:A:TYR:HD1	1:201:A:THR:HG23	14	0.1
(1,5991)	1:149:A:TYR:HD2	1:201:A:THR:HG21	14	0.1
(1,5991)	1:149:A:TYR:HD2	1:201:A:THR:HG22	14	0.1
(1,5991)	1:149:A:TYR:HD2	1:201:A:THR:HG23	14	0.1
(1,5991)	1:149:A:TYR:HD1	1:201:A:THR:HG21	17	0.1
(1,5991)	1:149:A:TYR:HD1	1:201:A:THR:HG22	17	0.1
(1,5991)	1:149:A:TYR:HD1	1:201:A:THR:HG23	17	0.1
(1,5991)	1:149:A:TYR:HD2	1:201:A:THR:HG21	17	0.1
(1,5991)	1:149:A:TYR:HD2	1:201:A:THR:HG22	17	0.1
(1,5991)	1:149:A:TYR:HD2	1:201:A:THR:HG23	17	0.1
(1,5971)	1:150:A:TYR:HD1	1:157:A:TYR:HE1	12	0.1
(1,5971)	1:150:A:TYR:HD1	1:157:A:TYR:HE2	12	0.1
(1,5971)	1:150:A:TYR:HD2	1:157:A:TYR:HE1	12	0.1
(1,5971)	1:150:A:TYR:HD2	1:157:A:TYR:HE2	12	0.1
(1,5971)	1:150:A:TYR:HD1	1:157:A:TYR:HE1	18	0.1
(1,5971)	1:150:A:TYR:HD1	1:157:A:TYR:HE2	18	0.1
(1,5971)	1:150:A:TYR:HD2	1:157:A:TYR:HE1	18	0.1
(1,5971)	1:150:A:TYR:HD2	1:157:A:TYR:HE2	18	0.1
(1,5948)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	6	0.1
(1,5948)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	6	0.1
(1,5948)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	11	0.1
(1,5948)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	11	0.1
(1,5948)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	16	0.1
(1,5948)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	16	0.1
(1,5948)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	18	0.1
(1,5948)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	18	0.1
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG21	20	0.1
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG22	20	0.1
(1,5783)	1:132:A:SER:H	1:161:A:VAL:HG23	20	0.1
(1,5714)	1:152:A:GLU:H	1:152:A:GLU:HG2	15	0.1
(1,5679)	1:159:A:ASN:H	1:159:A:ASN:HD22	15	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5670)	1:133:A:ALA:HB1	1:135:A:SER:H	14	0.1
(1,5670)	1:133:A:ALA:HB2	1:135:A:SER:H	14	0.1
(1,5670)	1:133:A:ALA:HB3	1:135:A:SER:H	14	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG21	4	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG22	4	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG23	4	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG21	11	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG22	11	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG23	11	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG21	12	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG22	12	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG23	12	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG21	13	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG22	13	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG23	13	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG21	15	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG22	15	0.1
(1,5555)	1:187:A:HIS:H	1:188:A:THR:HG23	15	0.1
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	14	0.1
(1,5407)	1:219:A:GLN:H	1:219:A:GLN:HG2	16	0.1
(1,5322)	1:200:A:GLU:H	1:203:A:VAL:HG11	5	0.1
(1,5322)	1:200:A:GLU:H	1:203:A:VAL:HG12	5	0.1
(1,5322)	1:200:A:GLU:H	1:203:A:VAL:HG13	5	0.1
(1,5237)	1:129:A:MET:H	1:165:A:PRO:HD2	1	0.1
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	16	0.1
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	16	0.1
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	16	0.1
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	16	0.1
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	19	0.1
(1,5034)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	19	0.1
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	19	0.1
(1,5034)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	19	0.1
(1,5007)	1:164:A:ARG:HG2	1:165:A:PRO:HD3	20	0.1
(1,4998)	1:137:A:PRO:HG2	1:209:A:VAL:HG21	2	0.1
(1,4998)	1:137:A:PRO:HG2	1:209:A:VAL:HG22	2	0.1
(1,4998)	1:137:A:PRO:HG2	1:209:A:VAL:HG23	2	0.1
(1,4998)	1:137:A:PRO:HG3	1:209:A:VAL:HG21	2	0.1
(1,4998)	1:137:A:PRO:HG3	1:209:A:VAL:HG22	2	0.1
(1,4998)	1:137:A:PRO:HG3	1:209:A:VAL:HG23	2	0.1
(1,4998)	1:137:A:PRO:HG2	1:209:A:VAL:HG21	11	0.1
(1,4998)	1:137:A:PRO:HG2	1:209:A:VAL:HG22	11	0.1
(1,4998)	1:137:A:PRO:HG2	1:209:A:VAL:HG23	11	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4998)	1:137:A:PRO:HG3	1:209:A:VAL:HG21	11	0.1
(1,4998)	1:137:A:PRO:HG3	1:209:A:VAL:HG22	11	0.1
(1,4998)	1:137:A:PRO:HG3	1:209:A:VAL:HG23	11	0.1
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	13	0.1
(1,4906)	1:159:A:ASN:HA	1:159:A:ASN:HD22	20	0.1
(1,4865)	1:145:A:TRP:H	1:146:A:GLU:HB3	17	0.1
(1,4844)	1:166:A:VAL:HB	1:221:A:GLU:HB2	20	0.1
(1,4802)	1:196:A:GLU:HB2	1:197:A:ASN:HB3	7	0.1
(1,4802)	1:196:A:GLU:HB3	1:197:A:ASN:HB3	7	0.1
(1,4771)	1:224:A:ALA:HA	1:227:A:ASP:HB2	14	0.1
(1,4771)	1:224:A:ALA:HA	1:227:A:ASP:HB3	14	0.1
(1,4737)	1:134:A:MET:HG2	1:135:A:SER:H	3	0.1
(1,4690)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	3	0.1
(1,4690)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	3	0.1
(1,4690)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	3	0.1
(1,4599)	1:225:A:TYR:HA	1:229:A:ARG:HA	14	0.1
(1,4555)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	19	0.1
(1,4555)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	19	0.1
(1,4555)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	19	0.1
(1,4545)	1:223:A:GLN:HG3	1:224:A:ALA:HB1	6	0.1
(1,4545)	1:223:A:GLN:HG3	1:224:A:ALA:HB2	6	0.1
(1,4545)	1:223:A:GLN:HG3	1:224:A:ALA:HB3	6	0.1
(1,4507)	1:161:A:VAL:HB	1:183:A:THR:HG1	10	0.1
(1,4507)	1:161:A:VAL:HB	1:183:A:THR:HG1	15	0.1
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	11	0.1
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	11	0.1
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	11	0.1
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	18	0.1
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	18	0.1
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	18	0.1
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD11	19	0.1
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD12	19	0.1
(1,4474)	1:163:A:TYR:HA	1:182:A:ILE:HD13	19	0.1
(1,4423)	1:157:A:TYR:HB2	1:210:A:VAL:HG21	6	0.1
(1,4423)	1:157:A:TYR:HB2	1:210:A:VAL:HG22	6	0.1
(1,4423)	1:157:A:TYR:HB2	1:210:A:VAL:HG23	6	0.1
(1,4423)	1:157:A:TYR:HB3	1:210:A:VAL:HG21	6	0.1
(1,4423)	1:157:A:TYR:HB3	1:210:A:VAL:HG22	6	0.1
(1,4423)	1:157:A:TYR:HB3	1:210:A:VAL:HG23	6	0.1
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	1	0.1
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	1	0.1
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	1	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	1	0.1
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	1	0.1
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	1	0.1
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	1	0.1
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	1	0.1
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	1	0.1
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	16	0.1
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	16	0.1
(1,4315)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	16	0.1
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	16	0.1
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	16	0.1
(1,4315)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	16	0.1
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	16	0.1
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	16	0.1
(1,4315)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	16	0.1
(1,4309)	1:183:A:THR:HA	1:184:A:ILE:HD11	20	0.1
(1,4309)	1:183:A:THR:HA	1:184:A:ILE:HD12	20	0.1
(1,4309)	1:183:A:THR:HA	1:184:A:ILE:HD13	20	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD11	4	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD12	4	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD13	4	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD11	13	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD12	13	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD13	13	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD11	17	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD12	17	0.1
(1,4308)	1:181:A:ASN:HA	1:184:A:ILE:HD13	17	0.1
(1,4306)	1:181:A:ASN:H	1:184:A:ILE:HD11	20	0.1
(1,4306)	1:181:A:ASN:H	1:184:A:ILE:HD12	20	0.1
(1,4306)	1:181:A:ASN:H	1:184:A:ILE:HD13	20	0.1
(1,4275)	1:150:A:TYR:HE1	1:154:A:MET:HA	11	0.1
(1,4275)	1:150:A:TYR:HE2	1:154:A:MET:HA	11	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB1	2	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB2	2	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB3	2	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB1	12	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB2	12	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB3	12	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB1	16	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB2	16	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB3	16	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB1	17	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB2	17	0.1
(1,4271)	1:220:A:LYS:HA	1:224:A:ALA:HB3	17	0.1
(1,4029)	1:137:A:PRO:HA	1:138:A:MET:HE1	1	0.1
(1,4029)	1:137:A:PRO:HA	1:138:A:MET:HE2	1	0.1
(1,4029)	1:137:A:PRO:HA	1:138:A:MET:HE3	1	0.1
(1,4029)	1:137:A:PRO:HA	1:138:A:MET:HE1	10	0.1
(1,4029)	1:137:A:PRO:HA	1:138:A:MET:HE2	10	0.1
(1,4029)	1:137:A:PRO:HA	1:138:A:MET:HE3	10	0.1
(1,4011)	1:184:A:ILE:HG21	1:187:A:HIS:HB2	6	0.1
(1,4011)	1:184:A:ILE:HG21	1:187:A:HIS:HB3	6	0.1
(1,4011)	1:184:A:ILE:HG22	1:187:A:HIS:HB2	6	0.1
(1,4011)	1:184:A:ILE:HG22	1:187:A:HIS:HB3	6	0.1
(1,4011)	1:184:A:ILE:HG23	1:187:A:HIS:HB2	6	0.1
(1,4011)	1:184:A:ILE:HG23	1:187:A:HIS:HB3	6	0.1
(1,3991)	1:136:A:ARG:HA	1:213:A:MET:HE1	19	0.1
(1,3991)	1:136:A:ARG:HA	1:213:A:MET:HE2	19	0.1
(1,3991)	1:136:A:ARG:HA	1:213:A:MET:HE3	19	0.1
(1,3967)	1:188:A:THR:HG21	1:198:A:PHE:HB3	1	0.1
(1,3967)	1:188:A:THR:HG22	1:198:A:PHE:HB3	1	0.1
(1,3967)	1:188:A:THR:HG23	1:198:A:PHE:HB3	1	0.1
(1,3959)	1:139:A:ILE:HG21	1:208:A:ARG:HE	11	0.1
(1,3959)	1:139:A:ILE:HG22	1:208:A:ARG:HE	11	0.1
(1,3959)	1:139:A:ILE:HG23	1:208:A:ARG:HE	11	0.1
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE1	14	0.1
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE2	14	0.1
(1,3957)	1:138:A:MET:HG3	1:154:A:MET:HE3	14	0.1
(1,3953)	1:129:A:MET:HE1	1:221:A:GLU:HG3	15	0.1
(1,3953)	1:129:A:MET:HE2	1:221:A:GLU:HG3	15	0.1
(1,3953)	1:129:A:MET:HE3	1:221:A:GLU:HG3	15	0.1
(1,3897)	1:134:A:MET:HE1	1:220:A:LYS:HE2	5	0.1
(1,3897)	1:134:A:MET:HE1	1:220:A:LYS:HE3	5	0.1
(1,3897)	1:134:A:MET:HE2	1:220:A:LYS:HE2	5	0.1
(1,3897)	1:134:A:MET:HE2	1:220:A:LYS:HE3	5	0.1
(1,3897)	1:134:A:MET:HE3	1:220:A:LYS:HE2	5	0.1
(1,3897)	1:134:A:MET:HE3	1:220:A:LYS:HE3	5	0.1
(1,3897)	1:134:A:MET:HE1	1:220:A:LYS:HE2	18	0.1
(1,3897)	1:134:A:MET:HE1	1:220:A:LYS:HE3	18	0.1
(1,3897)	1:134:A:MET:HE2	1:220:A:LYS:HE2	18	0.1
(1,3897)	1:134:A:MET:HE2	1:220:A:LYS:HE3	18	0.1
(1,3897)	1:134:A:MET:HE3	1:220:A:LYS:HE2	18	0.1
(1,3897)	1:134:A:MET:HE3	1:220:A:LYS:HE3	18	0.1
(1,3875)	1:179:A:CYS:HB2	1:214:A:CYS:HB2	17	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3844)	1:161:A:VAL:HG21	1:179:A:CYS:HA	6	0.1
(1,3844)	1:161:A:VAL:HG22	1:179:A:CYS:HA	6	0.1
(1,3844)	1:161:A:VAL:HG23	1:179:A:CYS:HA	6	0.1
(1,3844)	1:161:A:VAL:HG21	1:179:A:CYS:HA	7	0.1
(1,3844)	1:161:A:VAL:HG22	1:179:A:CYS:HA	7	0.1
(1,3844)	1:161:A:VAL:HG23	1:179:A:CYS:HA	7	0.1
(1,3814)	1:120:A:SER:HB2	1:130:A:LEU:HB3	19	0.1
(1,3814)	1:120:A:SER:HB3	1:130:A:LEU:HB3	19	0.1
(1,3783)	1:179:A:CYS:HA	1:182:A:ILE:HG21	15	0.1
(1,3783)	1:179:A:CYS:HA	1:182:A:ILE:HG22	15	0.1
(1,3783)	1:179:A:CYS:HA	1:182:A:ILE:HG23	15	0.1
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB2	8	0.1
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB3	8	0.1
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB2	11	0.1
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB3	11	0.1
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB2	12	0.1
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB3	12	0.1
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB2	15	0.1
(1,3732)	1:231:A:SER:HA	1:232:A:SER:HB3	15	0.1
(1,3698)	1:166:A:VAL:HA	1:175:A:PHE:HD1	4	0.1
(1,3698)	1:166:A:VAL:HA	1:175:A:PHE:HD2	4	0.1
(1,3696)	1:185:A:LYS:H	1:185:A:LYS:HE2	12	0.1
(1,3696)	1:185:A:LYS:H	1:185:A:LYS:HE3	12	0.1
(1,3643)	1:148:A:ARG:HD2	1:149:A:TYR:HA	5	0.1
(1,3643)	1:148:A:ARG:HD3	1:149:A:TYR:HA	5	0.1
(1,3643)	1:148:A:ARG:HD2	1:149:A:TYR:HA	10	0.1
(1,3643)	1:148:A:ARG:HD3	1:149:A:TYR:HA	10	0.1
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG21	9	0.1
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG22	9	0.1
(1,3640)	1:180:A:VAL:HA	1:184:A:ILE:HG23	9	0.1
(1,3638)	1:122:A:VAL:HG11	1:125:A:LEU:HB3	15	0.1
(1,3638)	1:122:A:VAL:HG12	1:125:A:LEU:HB3	15	0.1
(1,3638)	1:122:A:VAL:HG13	1:125:A:LEU:HB3	15	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	4	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	4	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	4	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	13	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	13	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	13	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	14	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	14	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	14	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	15	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	15	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	15	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	16	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	16	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	16	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	17	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	17	0.1
(1,3627)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	17	0.1
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	6	0.1
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	6	0.1
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	6	0.1
(1,3605)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	6	0.1
(1,3605)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	6	0.1
(1,3605)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	6	0.1
(1,3554)	1:185:A:LYS:HG2	1:189:A:VAL:HG11	1	0.1
(1,3554)	1:185:A:LYS:HG2	1:189:A:VAL:HG12	1	0.1
(1,3554)	1:185:A:LYS:HG2	1:189:A:VAL:HG13	1	0.1
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG21	13	0.1
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG22	13	0.1
(1,3522)	1:188:A:THR:HG21	1:189:A:VAL:HG23	13	0.1
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG21	13	0.1
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG22	13	0.1
(1,3522)	1:188:A:THR:HG22	1:189:A:VAL:HG23	13	0.1
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG21	13	0.1
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG22	13	0.1
(1,3522)	1:188:A:THR:HG23	1:189:A:VAL:HG23	13	0.1
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG21	3	0.1
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG22	3	0.1
(1,3513)	1:184:A:ILE:HG21	1:188:A:THR:HG23	3	0.1
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG21	3	0.1
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG22	3	0.1
(1,3513)	1:184:A:ILE:HG22	1:188:A:THR:HG23	3	0.1
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG21	3	0.1
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG22	3	0.1
(1,3513)	1:184:A:ILE:HG23	1:188:A:THR:HG23	3	0.1
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG21	1	0.1
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG22	1	0.1
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG23	1	0.1
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG21	10	0.1
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG22	10	0.1
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG23	10	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG21	20	0.1
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG22	20	0.1
(1,3509)	1:187:A:HIS:HD2	1:188:A:THR:HG23	20	0.1
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	15	0.1
(1,3501)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	15	0.1
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	15	0.1
(1,3501)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	15	0.1
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	15	0.1
(1,3501)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	15	0.1
(1,3494)	1:191:A:THR:HG21	1:198:A:PHE:HD1	11	0.1
(1,3494)	1:191:A:THR:HG21	1:198:A:PHE:HD2	11	0.1
(1,3494)	1:191:A:THR:HG22	1:198:A:PHE:HD1	11	0.1
(1,3494)	1:191:A:THR:HG22	1:198:A:PHE:HD2	11	0.1
(1,3494)	1:191:A:THR:HG23	1:198:A:PHE:HD1	11	0.1
(1,3494)	1:191:A:THR:HG23	1:198:A:PHE:HD2	11	0.1
(1,3494)	1:191:A:THR:HG21	1:198:A:PHE:HD1	20	0.1
(1,3494)	1:191:A:THR:HG21	1:198:A:PHE:HD2	20	0.1
(1,3494)	1:191:A:THR:HG22	1:198:A:PHE:HD1	20	0.1
(1,3494)	1:191:A:THR:HG22	1:198:A:PHE:HD2	20	0.1
(1,3494)	1:191:A:THR:HG23	1:198:A:PHE:HD1	20	0.1
(1,3494)	1:191:A:THR:HG23	1:198:A:PHE:HD2	20	0.1
(1,3487)	1:166:A:VAL:HG21	1:167:A:ASP:HA	6	0.1
(1,3487)	1:166:A:VAL:HG22	1:167:A:ASP:HA	6	0.1
(1,3487)	1:166:A:VAL:HG23	1:167:A:ASP:HA	6	0.1
(1,3487)	1:166:A:VAL:HG21	1:167:A:ASP:HA	17	0.1
(1,3487)	1:166:A:VAL:HG22	1:167:A:ASP:HA	17	0.1
(1,3487)	1:166:A:VAL:HG23	1:167:A:ASP:HA	17	0.1
(1,3485)	1:166:A:VAL:HG21	1:222:A:SER:H	8	0.1
(1,3485)	1:166:A:VAL:HG22	1:222:A:SER:H	8	0.1
(1,3485)	1:166:A:VAL:HG23	1:222:A:SER:H	8	0.1
(1,3474)	1:215:A:VAL:HA	1:215:A:VAL:HG11	17	0.1
(1,3474)	1:215:A:VAL:HA	1:215:A:VAL:HG12	17	0.1
(1,3474)	1:215:A:VAL:HA	1:215:A:VAL:HG13	17	0.1
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	6	0.1
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	6	0.1
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	6	0.1
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	6	0.1
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	6	0.1
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	6	0.1
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	6	0.1
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	6	0.1
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	6	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG21	10	0.1
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG22	10	0.1
(1,3469)	1:180:A:VAL:HG11	1:183:A:THR:HG23	10	0.1
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG21	10	0.1
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG22	10	0.1
(1,3469)	1:180:A:VAL:HG12	1:183:A:THR:HG23	10	0.1
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG21	10	0.1
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG22	10	0.1
(1,3469)	1:180:A:VAL:HG13	1:183:A:THR:HG23	10	0.1
(1,3460)	1:176:A:VAL:HG11	1:181:A:ASN:H	1	0.1
(1,3460)	1:176:A:VAL:HG12	1:181:A:ASN:H	1	0.1
(1,3460)	1:176:A:VAL:HG13	1:181:A:ASN:H	1	0.1
(1,3460)	1:176:A:VAL:HG11	1:181:A:ASN:H	19	0.1
(1,3460)	1:176:A:VAL:HG12	1:181:A:ASN:H	19	0.1
(1,3460)	1:176:A:VAL:HG13	1:181:A:ASN:H	19	0.1
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG21	7	0.1
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG22	7	0.1
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG23	7	0.1
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG21	14	0.1
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG22	14	0.1
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG23	14	0.1
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG21	18	0.1
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG22	18	0.1
(1,3451)	1:197:A:ASN:HB2	1:199:A:THR:HG23	18	0.1
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	15	0.1
(1,3423)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	15	0.1
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	15	0.1
(1,3423)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	15	0.1
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	15	0.1
(1,3423)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	15	0.1
(1,3414)	1:134:A:MET:HB3	1:216:A:THR:HG21	9	0.1
(1,3414)	1:134:A:MET:HB3	1:216:A:THR:HG22	9	0.1
(1,3414)	1:134:A:MET:HB3	1:216:A:THR:HG23	9	0.1
(1,3405)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	2	0.1
(1,3405)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	2	0.1
(1,3405)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	2	0.1
(1,3380)	1:195:A:GLY:HA2	1:196:A:GLU:HB2	2	0.1
(1,3380)	1:195:A:GLY:HA2	1:196:A:GLU:HB3	2	0.1
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	7	0.1
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	7	0.1
(1,3377)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	7	0.1
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	7	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	7	0.1
(1,3377)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	7	0.1
(1,3375)	1:215:A:VAL:HB	1:216:A:THR:HB	17	0.1
(1,3368)	1:194:A:LYS:HE2	1:195:A:GLY:HA3	5	0.1
(1,3368)	1:194:A:LYS:HE3	1:195:A:GLY:HA3	5	0.1
(1,3275)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	10	0.1
(1,3275)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	10	0.1
(1,3275)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	10	0.1
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	5	0.1
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	5	0.1
(1,3265)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	5	0.1
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	5	0.1
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	5	0.1
(1,3265)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	5	0.1
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE1	16	0.1
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE2	16	0.1
(1,3252)	1:210:A:VAL:HG21	1:213:A:MET:HE3	16	0.1
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE1	16	0.1
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE2	16	0.1
(1,3252)	1:210:A:VAL:HG22	1:213:A:MET:HE3	16	0.1
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE1	16	0.1
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE2	16	0.1
(1,3252)	1:210:A:VAL:HG23	1:213:A:MET:HE3	16	0.1
(1,3251)	1:210:A:VAL:HG21	1:213:A:MET:HG2	4	0.1
(1,3251)	1:210:A:VAL:HG22	1:213:A:MET:HG2	4	0.1
(1,3251)	1:210:A:VAL:HG23	1:213:A:MET:HG2	4	0.1
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE1	4	0.1
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE2	4	0.1
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE3	4	0.1
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE1	4	0.1
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE2	4	0.1
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE3	4	0.1
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE1	6	0.1
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE2	6	0.1
(1,3160)	1:157:A:TYR:HE1	1:206:A:MET:HE3	6	0.1
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE1	6	0.1
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE2	6	0.1
(1,3160)	1:157:A:TYR:HE2	1:206:A:MET:HE3	6	0.1
(1,3143)	1:171:A:ASN:HA	1:218:A:TYR:HE1	10	0.1
(1,3143)	1:171:A:ASN:HA	1:218:A:TYR:HE2	10	0.1
(1,3134)	1:163:A:TYR:HE1	1:217:A:GLN:HE22	17	0.1
(1,3134)	1:163:A:TYR:HE2	1:217:A:GLN:HE22	17	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3132)	1:132:A:SER:H	1:163:A:TYR:HE1	9	0.1
(1,3132)	1:132:A:SER:H	1:163:A:TYR:HE2	9	0.1
(1,3132)	1:132:A:SER:H	1:163:A:TYR:HE1	14	0.1
(1,3132)	1:132:A:SER:H	1:163:A:TYR:HE2	14	0.1
(1,3131)	1:163:A:TYR:H	1:163:A:TYR:HE1	8	0.1
(1,3131)	1:163:A:TYR:H	1:163:A:TYR:HE2	8	0.1
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	6	0.1
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	6	0.1
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	6	0.1
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	6	0.1
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	6	0.1
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	6	0.1
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG21	10	0.1
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG22	10	0.1
(1,3126)	1:149:A:TYR:HE1	1:201:A:THR:HG23	10	0.1
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG21	10	0.1
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG22	10	0.1
(1,3126)	1:149:A:TYR:HE2	1:201:A:THR:HG23	10	0.1
(1,3122)	1:225:A:TYR:HE1	1:229:A:ARG:HG2	5	0.1
(1,3122)	1:225:A:TYR:HE1	1:229:A:ARG:HG3	5	0.1
(1,3122)	1:225:A:TYR:HE2	1:229:A:ARG:HG2	5	0.1
(1,3122)	1:225:A:TYR:HE2	1:229:A:ARG:HG3	5	0.1
(1,3122)	1:225:A:TYR:HE1	1:229:A:ARG:HG2	20	0.1
(1,3122)	1:225:A:TYR:HE1	1:229:A:ARG:HG3	20	0.1
(1,3122)	1:225:A:TYR:HE2	1:229:A:ARG:HG2	20	0.1
(1,3122)	1:225:A:TYR:HE2	1:229:A:ARG:HG3	20	0.1
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE1	12	0.1
(1,3121)	1:166:A:VAL:HG11	1:225:A:TYR:HE2	12	0.1
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE1	12	0.1
(1,3121)	1:166:A:VAL:HG12	1:225:A:TYR:HE2	12	0.1
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE1	12	0.1
(1,3121)	1:166:A:VAL:HG13	1:225:A:TYR:HE2	12	0.1
(1,3116)	1:149:A:TYR:HE1	1:205:A:MET:HE1	16	0.1
(1,3116)	1:149:A:TYR:HE1	1:205:A:MET:HE2	16	0.1
(1,3116)	1:149:A:TYR:HE1	1:205:A:MET:HE3	16	0.1
(1,3116)	1:149:A:TYR:HE2	1:205:A:MET:HE1	16	0.1
(1,3116)	1:149:A:TYR:HE2	1:205:A:MET:HE2	16	0.1
(1,3116)	1:149:A:TYR:HE2	1:205:A:MET:HE3	16	0.1
(1,3115)	1:149:A:TYR:HE1	1:153:A:ASN:HB3	13	0.1
(1,3115)	1:149:A:TYR:HE2	1:153:A:ASN:HB3	13	0.1
(1,3100)	1:162:A:TYR:HE1	1:187:A:HIS:HA	5	0.1
(1,3100)	1:162:A:TYR:HE2	1:187:A:HIS:HA	5	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3095)	1:149:A:TYR:HE1	1:150:A:TYR:HA	4	0.1
(1,3095)	1:149:A:TYR:HE2	1:150:A:TYR:HA	4	0.1
(1,3095)	1:149:A:TYR:HE1	1:150:A:TYR:HA	16	0.1
(1,3095)	1:149:A:TYR:HE2	1:150:A:TYR:HA	16	0.1
(1,3095)	1:149:A:TYR:HE1	1:150:A:TYR:HA	20	0.1
(1,3095)	1:149:A:TYR:HE2	1:150:A:TYR:HA	20	0.1
(1,3090)	1:125:A:LEU:HD11	1:162:A:TYR:HE1	5	0.1
(1,3090)	1:125:A:LEU:HD11	1:162:A:TYR:HE2	5	0.1
(1,3090)	1:125:A:LEU:HD12	1:162:A:TYR:HE1	5	0.1
(1,3090)	1:125:A:LEU:HD12	1:162:A:TYR:HE2	5	0.1
(1,3090)	1:125:A:LEU:HD13	1:162:A:TYR:HE1	5	0.1
(1,3090)	1:125:A:LEU:HD13	1:162:A:TYR:HE2	5	0.1
(1,3084)	1:162:A:TYR:HE1	1:186:A:GLN:HE21	8	0.1
(1,3084)	1:162:A:TYR:HE2	1:186:A:GLN:HE21	8	0.1
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	7	0.1
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	7	0.1
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	7	0.1
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	7	0.1
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	8	0.1
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	8	0.1
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	8	0.1
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	8	0.1
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB2	12	0.1
(1,3078)	1:150:A:TYR:HE1	1:157:A:TYR:HB3	12	0.1
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB2	12	0.1
(1,3078)	1:150:A:TYR:HE2	1:157:A:TYR:HB3	12	0.1
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE1	10	0.1
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE2	10	0.1
(1,3071)	1:150:A:TYR:HE1	1:154:A:MET:HE3	10	0.1
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE1	10	0.1
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE2	10	0.1
(1,3071)	1:150:A:TYR:HE2	1:154:A:MET:HE3	10	0.1
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE1	16	0.1
(1,3067)	1:130:A:LEU:HG	1:162:A:TYR:HE2	16	0.1
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	6	0.1
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	6	0.1
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	6	0.1
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	6	0.1
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	6	0.1
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	6	0.1
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE1	15	0.1
(1,3065)	1:154:A:MET:HE1	1:155:A:TYR:HE2	15	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE1	15	0.1
(1,3065)	1:154:A:MET:HE2	1:155:A:TYR:HE2	15	0.1
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE1	15	0.1
(1,3065)	1:154:A:MET:HE3	1:155:A:TYR:HE2	15	0.1
(1,3051)	1:168:A:GLN:HG2	1:169:A:TYR:HE1	10	0.1
(1,3051)	1:168:A:GLN:HG2	1:169:A:TYR:HE2	10	0.1
(1,3051)	1:168:A:GLN:HG3	1:169:A:TYR:HE1	10	0.1
(1,3051)	1:168:A:GLN:HG3	1:169:A:TYR:HE2	10	0.1
(1,3051)	1:168:A:GLN:HG2	1:169:A:TYR:HE1	13	0.1
(1,3051)	1:168:A:GLN:HG2	1:169:A:TYR:HE2	13	0.1
(1,3051)	1:168:A:GLN:HG3	1:169:A:TYR:HE1	13	0.1
(1,3051)	1:168:A:GLN:HG3	1:169:A:TYR:HE2	13	0.1
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	6	0.1
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	6	0.1
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	10	0.1
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	10	0.1
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	11	0.1
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	11	0.1
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	13	0.1
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	13	0.1
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	15	0.1
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	15	0.1
(1,3048)	1:169:A:TYR:HE1	1:171:A:ASN:HA	18	0.1
(1,3048)	1:169:A:TYR:HE2	1:171:A:ASN:HA	18	0.1
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE1	20	0.1
(1,3045)	1:169:A:TYR:HE1	1:175:A:PHE:HE2	20	0.1
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE1	20	0.1
(1,3045)	1:169:A:TYR:HE2	1:175:A:PHE:HE2	20	0.1
(1,3040)	1:164:A:ARG:HG2	1:169:A:TYR:HE1	7	0.1
(1,3040)	1:164:A:ARG:HG2	1:169:A:TYR:HE2	7	0.1
(1,3040)	1:164:A:ARG:HG2	1:169:A:TYR:HE1	15	0.1
(1,3040)	1:164:A:ARG:HG2	1:169:A:TYR:HE2	15	0.1
(1,3030)	1:145:A:TRP:HE3	1:146:A:GLU:HB3	15	0.1
(1,3010)	1:145:A:TRP:HH2	1:201:A:THR:HG21	18	0.1
(1,3010)	1:145:A:TRP:HH2	1:201:A:THR:HG22	18	0.1
(1,3010)	1:145:A:TRP:HH2	1:201:A:THR:HG23	18	0.1
(1,3006)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	9	0.1
(1,3006)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	9	0.1
(1,3006)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	9	0.1
(1,3006)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	11	0.1
(1,3006)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	11	0.1
(1,3006)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	11	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3006)	1:139:A:ILE:HD11	1:141:A:PHE:HZ	18	0.1
(1,3006)	1:139:A:ILE:HD12	1:141:A:PHE:HZ	18	0.1
(1,3006)	1:139:A:ILE:HD13	1:141:A:PHE:HZ	18	0.1
(1,3000)	1:141:A:PHE:HZ	1:150:A:TYR:HB3	12	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE1	7	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE2	7	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE3	7	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE1	14	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE2	14	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE3	14	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE1	15	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE2	15	0.1
(1,2990)	1:141:A:PHE:HZ	1:205:A:MET:HE3	15	0.1
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	7	0.1
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	7	0.1
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	7	0.1
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	7	0.1
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	7	0.1
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	7	0.1
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE1	10	0.1
(1,2968)	1:139:A:ILE:HD11	1:141:A:PHE:HE2	10	0.1
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE1	10	0.1
(1,2968)	1:139:A:ILE:HD12	1:141:A:PHE:HE2	10	0.1
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE1	10	0.1
(1,2968)	1:139:A:ILE:HD13	1:141:A:PHE:HE2	10	0.1
(1,2963)	1:141:A:PHE:HE1	1:150:A:TYR:H	16	0.1
(1,2963)	1:141:A:PHE:HE2	1:150:A:TYR:H	16	0.1
(1,2962)	1:141:A:PHE:HE1	1:150:A:TYR:HA	4	0.1
(1,2962)	1:141:A:PHE:HE2	1:150:A:TYR:HA	4	0.1
(1,2962)	1:141:A:PHE:HE1	1:150:A:TYR:HA	16	0.1
(1,2962)	1:141:A:PHE:HE2	1:150:A:TYR:HA	16	0.1
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG21	19	0.1
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG22	19	0.1
(1,2961)	1:157:A:TYR:HD1	1:210:A:VAL:HG23	19	0.1
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG21	19	0.1
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG22	19	0.1
(1,2961)	1:157:A:TYR:HD2	1:210:A:VAL:HG23	19	0.1
(1,2942)	1:196:A:GLU:HB2	1:198:A:PHE:HD1	6	0.1
(1,2942)	1:196:A:GLU:HB2	1:198:A:PHE:HD2	6	0.1
(1,2942)	1:196:A:GLU:HB3	1:198:A:PHE:HD1	6	0.1
(1,2942)	1:196:A:GLU:HB3	1:198:A:PHE:HD2	6	0.1
(1,2930)	1:141:A:PHE:HD1	1:142:A:GLY:H	6	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2930)	1:141:A:PHE:HD2	1:142:A:GLY:H	6	0.1
(1,2908)	1:175:A:PHE:HE1	1:179:A:CYS:HA	19	0.1
(1,2908)	1:175:A:PHE:HE2	1:179:A:CYS:HA	19	0.1
(1,2893)	1:218:A:TYR:HD1	1:219:A:GLN:HA	1	0.1
(1,2893)	1:218:A:TYR:HD2	1:219:A:GLN:HA	1	0.1
(1,2863)	1:128:A:TYR:HB2	1:162:A:TYR:HD1	19	0.1
(1,2863)	1:128:A:TYR:HB2	1:162:A:TYR:HD2	19	0.1
(1,2863)	1:128:A:TYR:HB3	1:162:A:TYR:HD1	19	0.1
(1,2863)	1:128:A:TYR:HB3	1:162:A:TYR:HD2	19	0.1
(1,2827)	1:223:A:GLN:H	1:226:A:TYR:HD1	6	0.1
(1,2827)	1:223:A:GLN:H	1:226:A:TYR:HD2	6	0.1
(1,2827)	1:223:A:GLN:H	1:226:A:TYR:HD1	19	0.1
(1,2827)	1:223:A:GLN:H	1:226:A:TYR:HD2	19	0.1
(1,2822)	1:149:A:TYR:HD1	1:201:A:THR:HG21	14	0.1
(1,2822)	1:149:A:TYR:HD1	1:201:A:THR:HG22	14	0.1
(1,2822)	1:149:A:TYR:HD1	1:201:A:THR:HG23	14	0.1
(1,2822)	1:149:A:TYR:HD2	1:201:A:THR:HG21	14	0.1
(1,2822)	1:149:A:TYR:HD2	1:201:A:THR:HG22	14	0.1
(1,2822)	1:149:A:TYR:HD2	1:201:A:THR:HG23	14	0.1
(1,2822)	1:149:A:TYR:HD1	1:201:A:THR:HG21	17	0.1
(1,2822)	1:149:A:TYR:HD1	1:201:A:THR:HG22	17	0.1
(1,2822)	1:149:A:TYR:HD1	1:201:A:THR:HG23	17	0.1
(1,2822)	1:149:A:TYR:HD2	1:201:A:THR:HG21	17	0.1
(1,2822)	1:149:A:TYR:HD2	1:201:A:THR:HG22	17	0.1
(1,2822)	1:149:A:TYR:HD2	1:201:A:THR:HG23	17	0.1
(1,2802)	1:150:A:TYR:HD1	1:157:A:TYR:HE1	12	0.1
(1,2802)	1:150:A:TYR:HD1	1:157:A:TYR:HE2	12	0.1
(1,2802)	1:150:A:TYR:HD2	1:157:A:TYR:HE1	12	0.1
(1,2802)	1:150:A:TYR:HD2	1:157:A:TYR:HE2	12	0.1
(1,2802)	1:150:A:TYR:HD1	1:157:A:TYR:HE1	18	0.1
(1,2802)	1:150:A:TYR:HD1	1:157:A:TYR:HE2	18	0.1
(1,2802)	1:150:A:TYR:HD2	1:157:A:TYR:HE1	18	0.1
(1,2802)	1:150:A:TYR:HD2	1:157:A:TYR:HE2	18	0.1
(1,2779)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	6	0.1
(1,2779)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	6	0.1
(1,2779)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	11	0.1
(1,2779)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	11	0.1
(1,2779)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	16	0.1
(1,2779)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	16	0.1
(1,2779)	1:163:A:TYR:HD1	1:217:A:GLN:HG2	18	0.1
(1,2779)	1:163:A:TYR:HD2	1:217:A:GLN:HG2	18	0.1
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG21	20	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG22	20	0.1
(1,2614)	1:132:A:SER:H	1:161:A:VAL:HG23	20	0.1
(1,2545)	1:152:A:GLU:H	1:152:A:GLU:HG2	15	0.1
(1,2510)	1:159:A:ASN:H	1:159:A:ASN:HD22	15	0.1
(1,2501)	1:133:A:ALA:HB1	1:135:A:SER:H	14	0.1
(1,2501)	1:133:A:ALA:HB2	1:135:A:SER:H	14	0.1
(1,2501)	1:133:A:ALA:HB3	1:135:A:SER:H	14	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG21	4	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG22	4	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG23	4	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG21	11	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG22	11	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG23	11	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG21	12	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG22	12	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG23	12	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG21	13	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG22	13	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG23	13	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG21	15	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG22	15	0.1
(1,2386)	1:187:A:HIS:H	1:188:A:THR:HG23	15	0.1
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	14	0.1
(1,2238)	1:219:A:GLN:H	1:219:A:GLN:HG2	16	0.1
(1,2153)	1:200:A:GLU:H	1:203:A:VAL:HG11	5	0.1
(1,2153)	1:200:A:GLU:H	1:203:A:VAL:HG12	5	0.1
(1,2153)	1:200:A:GLU:H	1:203:A:VAL:HG13	5	0.1
(1,2068)	1:129:A:MET:H	1:165:A:PRO:HD2	1	0.1
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	16	0.1
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	16	0.1
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	16	0.1
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	16	0.1
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG2	19	0.1
(1,1865)	1:227:A:ASP:HB2	1:229:A:ARG:HG3	19	0.1
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG2	19	0.1
(1,1865)	1:227:A:ASP:HB3	1:229:A:ARG:HG3	19	0.1
(1,1838)	1:164:A:ARG:HG2	1:165:A:PRO:HD3	20	0.1
(1,1829)	1:137:A:PRO:HG2	1:209:A:VAL:HG21	2	0.1
(1,1829)	1:137:A:PRO:HG2	1:209:A:VAL:HG22	2	0.1
(1,1829)	1:137:A:PRO:HG2	1:209:A:VAL:HG23	2	0.1
(1,1829)	1:137:A:PRO:HG3	1:209:A:VAL:HG21	2	0.1
(1,1829)	1:137:A:PRO:HG3	1:209:A:VAL:HG22	2	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1829)	1:137:A:PRO:HG3	1:209:A:VAL:HG23	2	0.1
(1,1829)	1:137:A:PRO:HG2	1:209:A:VAL:HG21	11	0.1
(1,1829)	1:137:A:PRO:HG2	1:209:A:VAL:HG22	11	0.1
(1,1829)	1:137:A:PRO:HG2	1:209:A:VAL:HG23	11	0.1
(1,1829)	1:137:A:PRO:HG3	1:209:A:VAL:HG21	11	0.1
(1,1829)	1:137:A:PRO:HG3	1:209:A:VAL:HG22	11	0.1
(1,1829)	1:137:A:PRO:HG3	1:209:A:VAL:HG23	11	0.1
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	13	0.1
(1,1737)	1:159:A:ASN:HA	1:159:A:ASN:HD22	20	0.1
(1,1696)	1:145:A:TRP:H	1:146:A:GLU:HB3	17	0.1
(1,1675)	1:166:A:VAL:HB	1:221:A:GLU:HB2	20	0.1
(1,1633)	1:196:A:GLU:HB2	1:197:A:ASN:HB3	7	0.1
(1,1633)	1:196:A:GLU:HB3	1:197:A:ASN:HB3	7	0.1
(1,1602)	1:224:A:ALA:HA	1:227:A:ASP:HB2	14	0.1
(1,1602)	1:224:A:ALA:HA	1:227:A:ASP:HB3	14	0.1
(1,1568)	1:134:A:MET:HG2	1:135:A:SER:H	3	0.1
(1,1521)	1:184:A:ILE:HG21	1:185:A:LYS:HB3	3	0.1
(1,1521)	1:184:A:ILE:HG22	1:185:A:LYS:HB3	3	0.1
(1,1521)	1:184:A:ILE:HG23	1:185:A:LYS:HB3	3	0.1
(1,1430)	1:225:A:TYR:HA	1:229:A:ARG:HA	14	0.1
(1,1386)	1:122:A:VAL:HG11	1:186:A:GLN:HG2	19	0.1
(1,1386)	1:122:A:VAL:HG12	1:186:A:GLN:HG2	19	0.1
(1,1386)	1:122:A:VAL:HG13	1:186:A:GLN:HG2	19	0.1
(1,1376)	1:223:A:GLN:HG3	1:224:A:ALA:HB1	6	0.1
(1,1376)	1:223:A:GLN:HG3	1:224:A:ALA:HB2	6	0.1
(1,1376)	1:223:A:GLN:HG3	1:224:A:ALA:HB3	6	0.1
(1,1338)	1:161:A:VAL:HB	1:183:A:THR:HG1	10	0.1
(1,1338)	1:161:A:VAL:HB	1:183:A:THR:HG1	15	0.1
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	11	0.1
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	11	0.1
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	11	0.1
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	18	0.1
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	18	0.1
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	18	0.1
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD11	19	0.1
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD12	19	0.1
(1,1305)	1:163:A:TYR:HA	1:182:A:ILE:HD13	19	0.1
(1,1254)	1:157:A:TYR:HB2	1:210:A:VAL:HG21	6	0.1
(1,1254)	1:157:A:TYR:HB2	1:210:A:VAL:HG22	6	0.1
(1,1254)	1:157:A:TYR:HB2	1:210:A:VAL:HG23	6	0.1
(1,1254)	1:157:A:TYR:HB3	1:210:A:VAL:HG21	6	0.1
(1,1254)	1:157:A:TYR:HB3	1:210:A:VAL:HG22	6	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1254)	1:157:A:TYR:HB3	1:210:A:VAL:HG23	6	0.1
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	1	0.1
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	1	0.1
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	1	0.1
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	1	0.1
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	1	0.1
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	1	0.1
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	1	0.1
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	1	0.1
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	1	0.1
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD11	16	0.1
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD12	16	0.1
(1,1146)	1:180:A:VAL:HG21	1:184:A:ILE:HD13	16	0.1
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD11	16	0.1
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD12	16	0.1
(1,1146)	1:180:A:VAL:HG22	1:184:A:ILE:HD13	16	0.1
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD11	16	0.1
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD12	16	0.1
(1,1146)	1:180:A:VAL:HG23	1:184:A:ILE:HD13	16	0.1
(1,1140)	1:183:A:THR:HA	1:184:A:ILE:HD11	20	0.1
(1,1140)	1:183:A:THR:HA	1:184:A:ILE:HD12	20	0.1
(1,1140)	1:183:A:THR:HA	1:184:A:ILE:HD13	20	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD11	4	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD12	4	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD13	4	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD11	13	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD12	13	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD13	13	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD11	17	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD12	17	0.1
(1,1139)	1:181:A:ASN:HA	1:184:A:ILE:HD13	17	0.1
(1,1137)	1:181:A:ASN:H	1:184:A:ILE:HD11	20	0.1
(1,1137)	1:181:A:ASN:H	1:184:A:ILE:HD12	20	0.1
(1,1137)	1:181:A:ASN:H	1:184:A:ILE:HD13	20	0.1
(1,1106)	1:150:A:TYR:HE1	1:154:A:MET:HA	11	0.1
(1,1106)	1:150:A:TYR:HE2	1:154:A:MET:HA	11	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB1	2	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB2	2	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB3	2	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB1	12	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB2	12	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB3	12	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB1	16	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB2	16	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB3	16	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB1	17	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB2	17	0.1
(1,1102)	1:220:A:LYS:HA	1:224:A:ALA:HB3	17	0.1
(1,860)	1:137:A:PRO:HA	1:138:A:MET:HE1	1	0.1
(1,860)	1:137:A:PRO:HA	1:138:A:MET:HE2	1	0.1
(1,860)	1:137:A:PRO:HA	1:138:A:MET:HE3	1	0.1
(1,860)	1:137:A:PRO:HA	1:138:A:MET:HE1	10	0.1
(1,860)	1:137:A:PRO:HA	1:138:A:MET:HE2	10	0.1
(1,860)	1:137:A:PRO:HA	1:138:A:MET:HE3	10	0.1
(1,842)	1:184:A:ILE:HG21	1:187:A:HIS:HB2	6	0.1
(1,842)	1:184:A:ILE:HG21	1:187:A:HIS:HB3	6	0.1
(1,842)	1:184:A:ILE:HG22	1:187:A:HIS:HB2	6	0.1
(1,842)	1:184:A:ILE:HG22	1:187:A:HIS:HB3	6	0.1
(1,842)	1:184:A:ILE:HG23	1:187:A:HIS:HB2	6	0.1
(1,842)	1:184:A:ILE:HG23	1:187:A:HIS:HB3	6	0.1
(1,822)	1:136:A:ARG:HA	1:213:A:MET:HE1	19	0.1
(1,822)	1:136:A:ARG:HA	1:213:A:MET:HE2	19	0.1
(1,822)	1:136:A:ARG:HA	1:213:A:MET:HE3	19	0.1
(1,798)	1:188:A:THR:HG21	1:198:A:PHE:HB3	1	0.1
(1,798)	1:188:A:THR:HG22	1:198:A:PHE:HB3	1	0.1
(1,798)	1:188:A:THR:HG23	1:198:A:PHE:HB3	1	0.1
(1,790)	1:139:A:ILE:HG21	1:208:A:ARG:HE	11	0.1
(1,790)	1:139:A:ILE:HG22	1:208:A:ARG:HE	11	0.1
(1,790)	1:139:A:ILE:HG23	1:208:A:ARG:HE	11	0.1
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE1	14	0.1
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE2	14	0.1
(1,788)	1:138:A:MET:HG3	1:154:A:MET:HE3	14	0.1
(1,784)	1:129:A:MET:HE1	1:221:A:GLU:HG3	15	0.1
(1,784)	1:129:A:MET:HE2	1:221:A:GLU:HG3	15	0.1
(1,784)	1:129:A:MET:HE3	1:221:A:GLU:HG3	15	0.1
(1,728)	1:134:A:MET:HE1	1:220:A:LYS:HE2	5	0.1
(1,728)	1:134:A:MET:HE1	1:220:A:LYS:HE3	5	0.1
(1,728)	1:134:A:MET:HE2	1:220:A:LYS:HE2	5	0.1
(1,728)	1:134:A:MET:HE2	1:220:A:LYS:HE3	5	0.1
(1,728)	1:134:A:MET:HE3	1:220:A:LYS:HE2	5	0.1
(1,728)	1:134:A:MET:HE3	1:220:A:LYS:HE3	5	0.1
(1,728)	1:134:A:MET:HE1	1:220:A:LYS:HE2	18	0.1
(1,728)	1:134:A:MET:HE1	1:220:A:LYS:HE3	18	0.1
(1,728)	1:134:A:MET:HE2	1:220:A:LYS:HE2	18	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,728)	1:134:A:MET:HE2	1:220:A:LYS:HE3	18	0.1
(1,728)	1:134:A:MET:HE3	1:220:A:LYS:HE2	18	0.1
(1,728)	1:134:A:MET:HE3	1:220:A:LYS:HE3	18	0.1
(1,706)	1:179:A:CYS:HB2	1:214:A:CYS:HB2	17	0.1
(1,675)	1:161:A:VAL:HG21	1:179:A:CYS:HA	6	0.1
(1,675)	1:161:A:VAL:HG22	1:179:A:CYS:HA	6	0.1
(1,675)	1:161:A:VAL:HG23	1:179:A:CYS:HA	6	0.1
(1,675)	1:161:A:VAL:HG21	1:179:A:CYS:HA	7	0.1
(1,675)	1:161:A:VAL:HG22	1:179:A:CYS:HA	7	0.1
(1,675)	1:161:A:VAL:HG23	1:179:A:CYS:HA	7	0.1
(1,645)	1:120:A:SER:HB2	1:130:A:LEU:HB3	19	0.1
(1,645)	1:120:A:SER:HB3	1:130:A:LEU:HB3	19	0.1
(1,614)	1:179:A:CYS:HA	1:182:A:ILE:HG21	15	0.1
(1,614)	1:179:A:CYS:HA	1:182:A:ILE:HG22	15	0.1
(1,614)	1:179:A:CYS:HA	1:182:A:ILE:HG23	15	0.1
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB2	8	0.1
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB3	8	0.1
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB2	11	0.1
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB3	11	0.1
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB2	12	0.1
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB3	12	0.1
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB2	15	0.1
(1,563)	1:231:A:SER:HA	1:232:A:SER:HB3	15	0.1
(1,529)	1:166:A:VAL:HA	1:175:A:PHE:HD1	4	0.1
(1,529)	1:166:A:VAL:HA	1:175:A:PHE:HD2	4	0.1
(1,527)	1:185:A:LYS:H	1:185:A:LYS:HE2	12	0.1
(1,527)	1:185:A:LYS:H	1:185:A:LYS:HE3	12	0.1
(1,474)	1:148:A:ARG:HD2	1:149:A:TYR:HA	5	0.1
(1,474)	1:148:A:ARG:HD3	1:149:A:TYR:HA	5	0.1
(1,474)	1:148:A:ARG:HD2	1:149:A:TYR:HA	10	0.1
(1,474)	1:148:A:ARG:HD3	1:149:A:TYR:HA	10	0.1
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG21	9	0.1
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG22	9	0.1
(1,471)	1:180:A:VAL:HA	1:184:A:ILE:HG23	9	0.1
(1,469)	1:122:A:VAL:HG11	1:125:A:LEU:HB3	15	0.1
(1,469)	1:122:A:VAL:HG12	1:125:A:LEU:HB3	15	0.1
(1,469)	1:122:A:VAL:HG13	1:125:A:LEU:HB3	15	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	4	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	4	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	4	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	13	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	13	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	13	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	14	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	14	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	14	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	15	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	15	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	15	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	16	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	16	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	16	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD11	17	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD12	17	0.1
(1,458)	1:164:A:ARG:HD2	1:182:A:ILE:HD13	17	0.1
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB2	6	0.1
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB2	6	0.1
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB2	6	0.1
(1,436)	1:122:A:VAL:HG11	1:162:A:TYR:HB3	6	0.1
(1,436)	1:122:A:VAL:HG12	1:162:A:TYR:HB3	6	0.1
(1,436)	1:122:A:VAL:HG13	1:162:A:TYR:HB3	6	0.1
(1,385)	1:185:A:LYS:HG2	1:189:A:VAL:HG11	1	0.1
(1,385)	1:185:A:LYS:HG2	1:189:A:VAL:HG12	1	0.1
(1,385)	1:185:A:LYS:HG2	1:189:A:VAL:HG13	1	0.1
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG21	13	0.1
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG22	13	0.1
(1,353)	1:188:A:THR:HG21	1:189:A:VAL:HG23	13	0.1
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG21	13	0.1
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG22	13	0.1
(1,353)	1:188:A:THR:HG22	1:189:A:VAL:HG23	13	0.1
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG21	13	0.1
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG22	13	0.1
(1,353)	1:188:A:THR:HG23	1:189:A:VAL:HG23	13	0.1
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG21	3	0.1
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG22	3	0.1
(1,344)	1:184:A:ILE:HG21	1:188:A:THR:HG23	3	0.1
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG21	3	0.1
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG22	3	0.1
(1,344)	1:184:A:ILE:HG22	1:188:A:THR:HG23	3	0.1
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG21	3	0.1
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG22	3	0.1
(1,344)	1:184:A:ILE:HG23	1:188:A:THR:HG23	3	0.1
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG21	1	0.1
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG22	1	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG23	1	0.1
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG21	10	0.1
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG22	10	0.1
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG23	10	0.1
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG21	20	0.1
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG22	20	0.1
(1,340)	1:187:A:HIS:HD2	1:188:A:THR:HG23	20	0.1
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD1	15	0.1
(1,332)	1:166:A:VAL:HG11	1:218:A:TYR:HD2	15	0.1
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD1	15	0.1
(1,332)	1:166:A:VAL:HG12	1:218:A:TYR:HD2	15	0.1
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD1	15	0.1
(1,332)	1:166:A:VAL:HG13	1:218:A:TYR:HD2	15	0.1
(1,325)	1:191:A:THR:HG21	1:198:A:PHE:HD1	11	0.1
(1,325)	1:191:A:THR:HG21	1:198:A:PHE:HD2	11	0.1
(1,325)	1:191:A:THR:HG22	1:198:A:PHE:HD1	11	0.1
(1,325)	1:191:A:THR:HG22	1:198:A:PHE:HD2	11	0.1
(1,325)	1:191:A:THR:HG23	1:198:A:PHE:HD1	11	0.1
(1,325)	1:191:A:THR:HG23	1:198:A:PHE:HD2	11	0.1
(1,325)	1:191:A:THR:HG21	1:198:A:PHE:HD1	20	0.1
(1,325)	1:191:A:THR:HG21	1:198:A:PHE:HD2	20	0.1
(1,325)	1:191:A:THR:HG22	1:198:A:PHE:HD1	20	0.1
(1,325)	1:191:A:THR:HG22	1:198:A:PHE:HD2	20	0.1
(1,325)	1:191:A:THR:HG23	1:198:A:PHE:HD1	20	0.1
(1,325)	1:191:A:THR:HG23	1:198:A:PHE:HD2	20	0.1
(1,318)	1:166:A:VAL:HG21	1:167:A:ASP:HA	6	0.1
(1,318)	1:166:A:VAL:HG22	1:167:A:ASP:HA	6	0.1
(1,318)	1:166:A:VAL:HG23	1:167:A:ASP:HA	6	0.1
(1,318)	1:166:A:VAL:HG21	1:167:A:ASP:HA	17	0.1
(1,318)	1:166:A:VAL:HG22	1:167:A:ASP:HA	17	0.1
(1,318)	1:166:A:VAL:HG23	1:167:A:ASP:HA	17	0.1
(1,316)	1:166:A:VAL:HG21	1:222:A:SER:H	8	0.1
(1,316)	1:166:A:VAL:HG22	1:222:A:SER:H	8	0.1
(1,316)	1:166:A:VAL:HG23	1:222:A:SER:H	8	0.1
(1,305)	1:215:A:VAL:HA	1:215:A:VAL:HG11	17	0.1
(1,305)	1:215:A:VAL:HA	1:215:A:VAL:HG12	17	0.1
(1,305)	1:215:A:VAL:HA	1:215:A:VAL:HG13	17	0.1
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	6	0.1
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	6	0.1
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	6	0.1
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	6	0.1
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	6	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	6	0.1
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	6	0.1
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	6	0.1
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	6	0.1
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG21	10	0.1
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG22	10	0.1
(1,300)	1:180:A:VAL:HG11	1:183:A:THR:HG23	10	0.1
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG21	10	0.1
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG22	10	0.1
(1,300)	1:180:A:VAL:HG12	1:183:A:THR:HG23	10	0.1
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG21	10	0.1
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG22	10	0.1
(1,300)	1:180:A:VAL:HG13	1:183:A:THR:HG23	10	0.1
(1,291)	1:176:A:VAL:HG11	1:181:A:ASN:H	1	0.1
(1,291)	1:176:A:VAL:HG12	1:181:A:ASN:H	1	0.1
(1,291)	1:176:A:VAL:HG13	1:181:A:ASN:H	1	0.1
(1,291)	1:176:A:VAL:HG11	1:181:A:ASN:H	19	0.1
(1,291)	1:176:A:VAL:HG12	1:181:A:ASN:H	19	0.1
(1,291)	1:176:A:VAL:HG13	1:181:A:ASN:H	19	0.1
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG21	7	0.1
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG22	7	0.1
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG23	7	0.1
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG21	14	0.1
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG22	14	0.1
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG23	14	0.1
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG21	18	0.1
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG22	18	0.1
(1,282)	1:197:A:ASN:HB2	1:199:A:THR:HG23	18	0.1
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE1	15	0.1
(1,254)	1:130:A:LEU:HD11	1:163:A:TYR:HE2	15	0.1
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE1	15	0.1
(1,254)	1:130:A:LEU:HD12	1:163:A:TYR:HE2	15	0.1
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE1	15	0.1
(1,254)	1:130:A:LEU:HD13	1:163:A:TYR:HE2	15	0.1
(1,245)	1:134:A:MET:HB3	1:216:A:THR:HG21	9	0.1
(1,245)	1:134:A:MET:HB3	1:216:A:THR:HG22	9	0.1
(1,245)	1:134:A:MET:HB3	1:216:A:THR:HG23	9	0.1
(1,236)	1:122:A:VAL:HG21	1:127:A:GLY:HA2	2	0.1
(1,236)	1:122:A:VAL:HG22	1:127:A:GLY:HA2	2	0.1
(1,236)	1:122:A:VAL:HG23	1:127:A:GLY:HA2	2	0.1
(1,211)	1:195:A:GLY:HA2	1:196:A:GLU:HB2	2	0.1
(1,211)	1:195:A:GLY:HA2	1:196:A:GLU:HB3	2	0.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD11	7	0.1
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD12	7	0.1
(1,208)	1:124:A:GLY:HA2	1:125:A:LEU:HD13	7	0.1
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD11	7	0.1
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD12	7	0.1
(1,208)	1:124:A:GLY:HA3	1:125:A:LEU:HD13	7	0.1
(1,206)	1:215:A:VAL:HB	1:216:A:THR:HB	17	0.1
(1,199)	1:194:A:LYS:HE2	1:195:A:GLY:HA3	5	0.1
(1,199)	1:194:A:LYS:HE3	1:195:A:GLY:HA3	5	0.1
(1,106)	1:215:A:VAL:HG11	1:218:A:TYR:HB2	10	0.1
(1,106)	1:215:A:VAL:HG12	1:218:A:TYR:HB2	10	0.1
(1,106)	1:215:A:VAL:HG13	1:218:A:TYR:HB2	10	0.1
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG11	5	0.1
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG12	5	0.1
(1,96)	1:136:A:ARG:HB2	1:209:A:VAL:HG13	5	0.1
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG11	5	0.1
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG12	5	0.1
(1,96)	1:136:A:ARG:HB3	1:209:A:VAL:HG13	5	0.1
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE1	16	0.1
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE2	16	0.1
(1,83)	1:210:A:VAL:HG21	1:213:A:MET:HE3	16	0.1
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE1	16	0.1
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE2	16	0.1
(1,83)	1:210:A:VAL:HG22	1:213:A:MET:HE3	16	0.1
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE1	16	0.1
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE2	16	0.1
(1,83)	1:210:A:VAL:HG23	1:213:A:MET:HE3	16	0.1
(1,82)	1:210:A:VAL:HG21	1:213:A:MET:HG2	4	0.1
(1,82)	1:210:A:VAL:HG22	1:213:A:MET:HG2	4	0.1
(1,82)	1:210:A:VAL:HG23	1:213:A:MET:HG2	4	0.1

10 Dihedral-angle violation analysis (i)

No dihedral-angle restraints found