



# Full wwPDB NMR Structure Validation Report ⓘ

Dec 25, 2024 – 06:04 PM EST

PDB ID : 7LOH  
BMRB ID : 30855  
Title : Structure of the HIV-1 gp41 transmembrane domain and cytoplasmic tail  
Authors : Piai, A.; Fu, Q.; Sharp, A.K.; Bighi, B.; Brown, A.M.; Chou, J.J.  
Deposited on : 2021-02-10

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

We welcome your comments at [validation@mail.wwpdb.org](mailto:validation@mail.wwpdb.org)

A user guide is available at

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

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

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

---

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

MolProbity : 4.02b-467  
Percentile statistics : 20231227.v01 (using entries in the PDB archive December 27th 2023)  
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) : 2.40

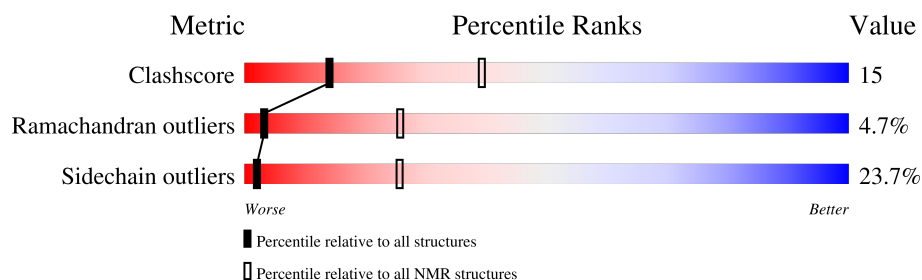
# 1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

*SOLUTION NMR*

The overall completeness of chemical shifts assignment is 8%.

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	210492	14027
Ramachandran outliers	207382	12486
Sidechain outliers	206894	12463

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  $\geq 3$ , 2, 1 and 0 types of geometric quality criteria. A cyan segment indicates the fraction of residues that are not part of the well-defined cores, and a grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions  $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	180	
1	B	180	
1	C	180	

## 2 Ensemble composition and analysis

This entry contains 15 models. Model 5 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:692-A:716, A:739-A:856, B:689-B:716, B:739-B:856, C:690-C:716, C:739-C:856 (434)	1.42	5

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. No single-model clusters were found.

Cluster number	Models
1	3, 4, 5, 6, 11, 15
2	1, 2, 10, 13
3	9, 12, 14
4	7, 8

### 3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 8049 atoms, of which 4131 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Transmembrane protein gp41.

Mol	Chain	Residues	Atoms					Trace
1	A	158	Total	C	H	N	O	0
			2683	844	1377	245	217	
1	B	158	Total	C	H	N	O	0
			2683	844	1377	245	217	
1	C	158	Total	C	H	N	O	0
			2683	844	1377	245	217	

There are 24 discrepancies between the modelled and reference sequences:

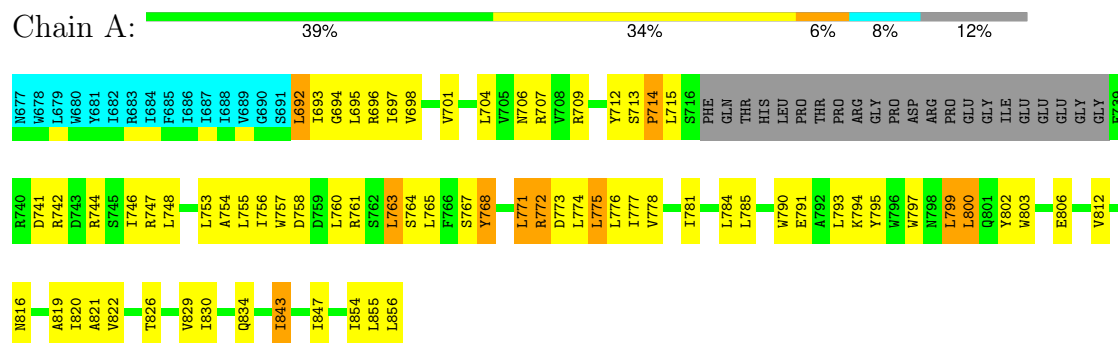
Chain	Residue	Modelled	Actual	Comment	Reference
A	683	ARG	LYS	conflict	UNP A0A386YSI0
A	687	ILE	MET	conflict	UNP A0A386YSI0
A	691	SER	GLY	conflict	UNP A0A386YSI0
A	693	ILE	VAL	conflict	UNP A0A386YSI0
A	704	LEU	ILE	conflict	UNP A0A386YSI0
A	764	SER	CYS	engineered mutation	UNP A0A386YSI0
A	823	GLY	ALA	engineered mutation	UNP A0A386YSI0
A	837	SER	CYS	engineered mutation	UNP A0A386YSI0
B	683	ARG	LYS	conflict	UNP A0A386YSI0
B	687	ILE	MET	conflict	UNP A0A386YSI0
B	691	SER	GLY	conflict	UNP A0A386YSI0
B	693	ILE	VAL	conflict	UNP A0A386YSI0
B	704	LEU	ILE	conflict	UNP A0A386YSI0
B	764	SER	CYS	engineered mutation	UNP A0A386YSI0
B	823	GLY	ALA	engineered mutation	UNP A0A386YSI0
B	837	SER	CYS	engineered mutation	UNP A0A386YSI0
C	683	ARG	LYS	conflict	UNP A0A386YSI0
C	687	ILE	MET	conflict	UNP A0A386YSI0
C	691	SER	GLY	conflict	UNP A0A386YSI0
C	693	ILE	VAL	conflict	UNP A0A386YSI0
C	704	LEU	ILE	conflict	UNP A0A386YSI0
C	764	SER	CYS	engineered mutation	UNP A0A386YSI0
C	823	GLY	ALA	engineered mutation	UNP A0A386YSI0
C	837	SER	CYS	engineered mutation	UNP A0A386YSI0

## 4 Residue-property plots

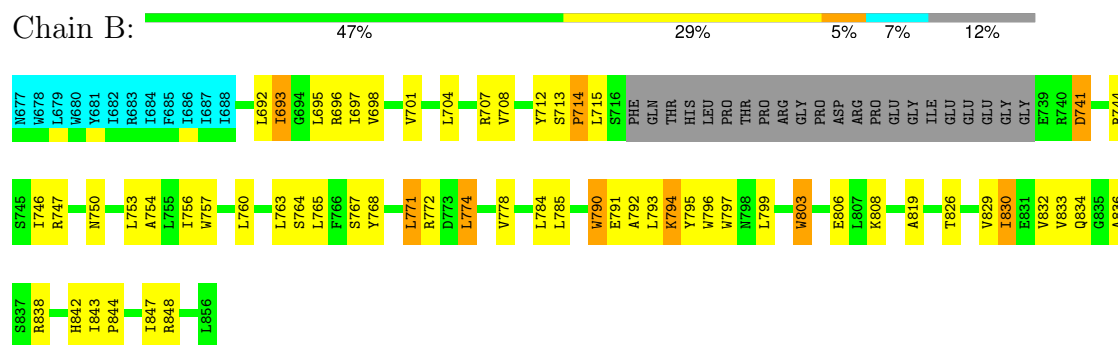
### 4.1 Average score per residue in the NMR ensemble

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.

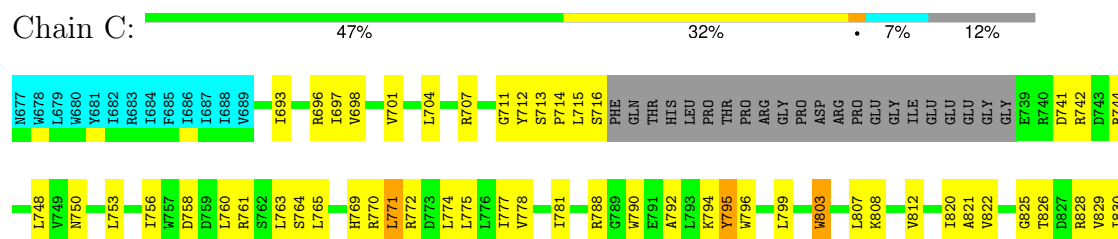
- Molecule 1: Transmembrane protein gp41



- Molecule 1: Transmembrane protein gp41



- Molecule 1: Transmembrane protein gp41



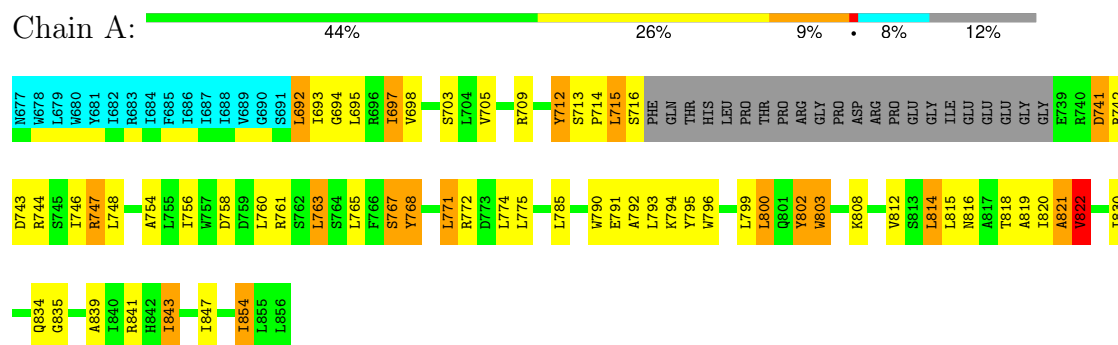


## 4.2 Scores per residue for each member of the ensemble

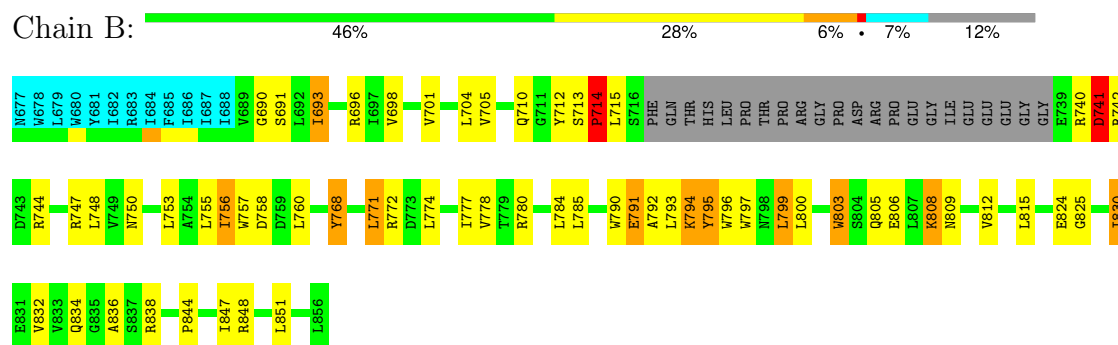
Colouring as in section 4.1 above.

### 4.2.1 Score per residue for model 1

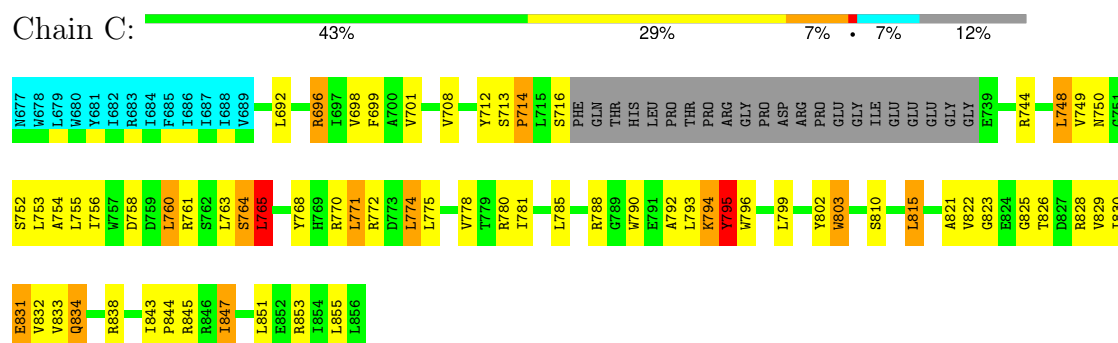
- Molecule 1: Transmembrane protein gp41



- Molecule 1: Transmembrane protein gp41

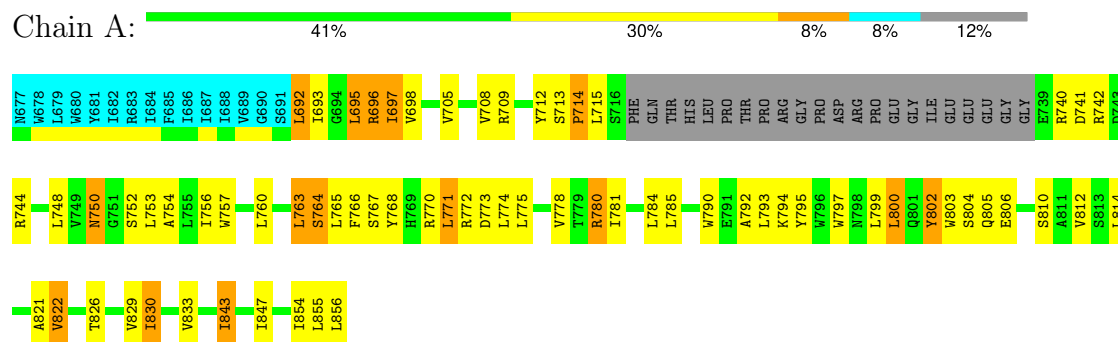


- Molecule 1: Transmembrane protein gp41

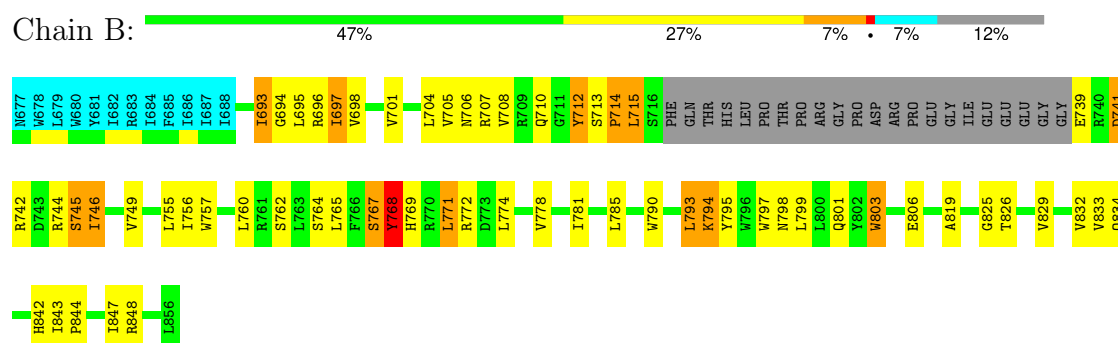


### 4.2.2 Score per residue for model 2

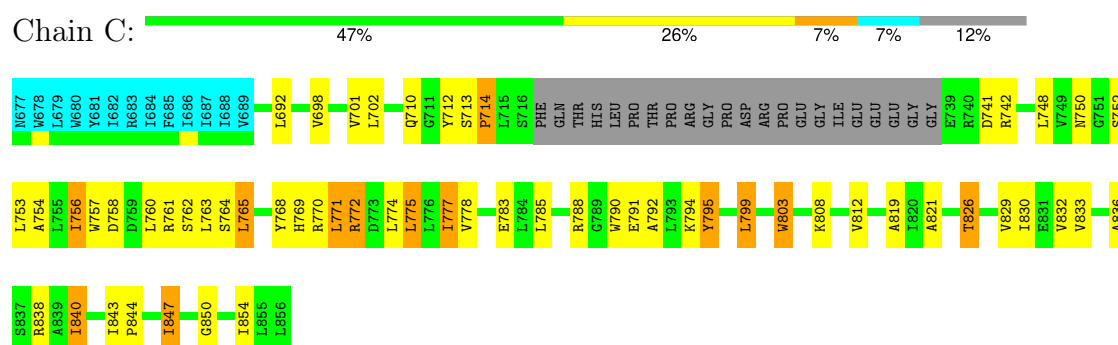
#### • Molecule 1: Transmembrane protein gp41



#### • Molecule 1: Transmembrane protein gp41

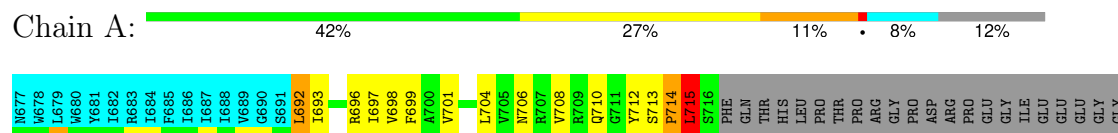


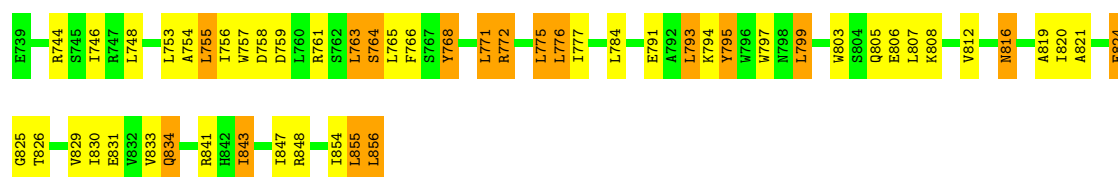
#### • Molecule 1: Transmembrane protein gp41



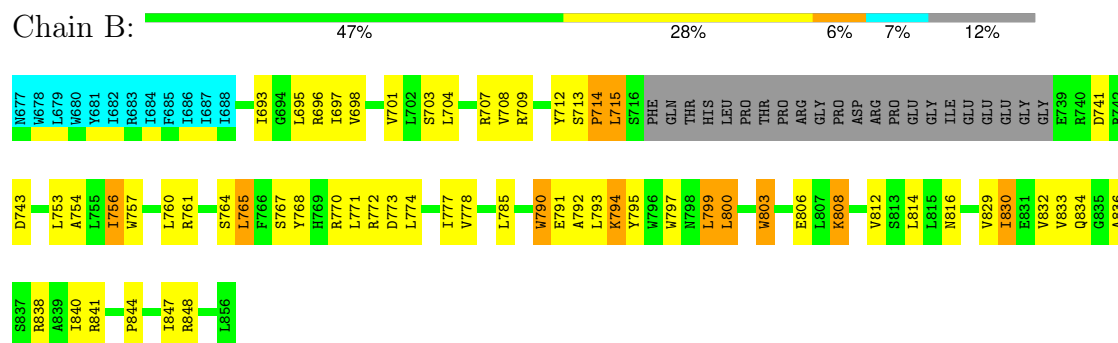
### 4.2.3 Score per residue for model 3

#### • Molecule 1: Transmembrane protein gp41

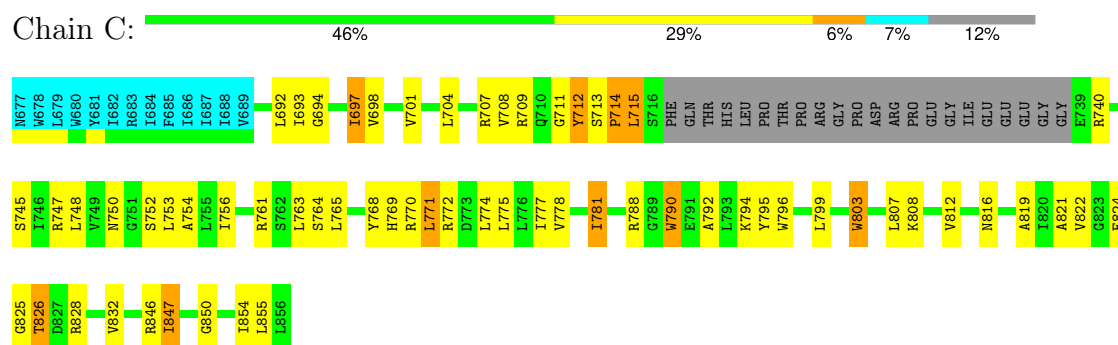




• Molecule 1: Transmembrane protein gp41

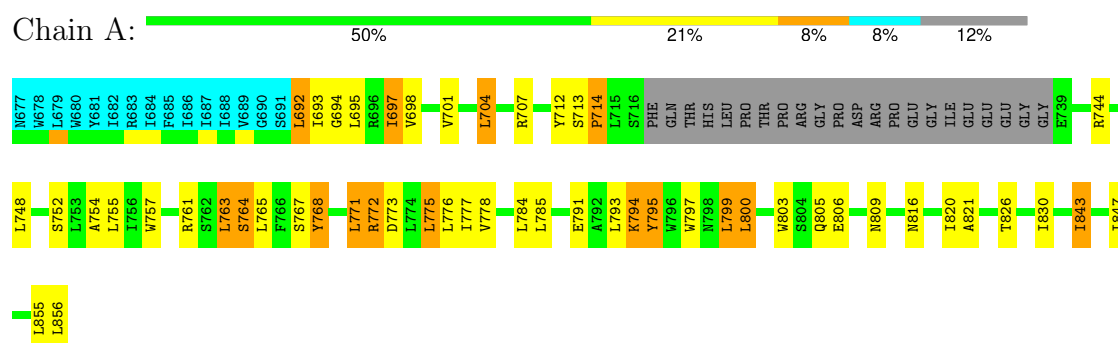


• Molecule 1: Transmembrane protein gp41



#### 4.2.4 Score per residue for model 4

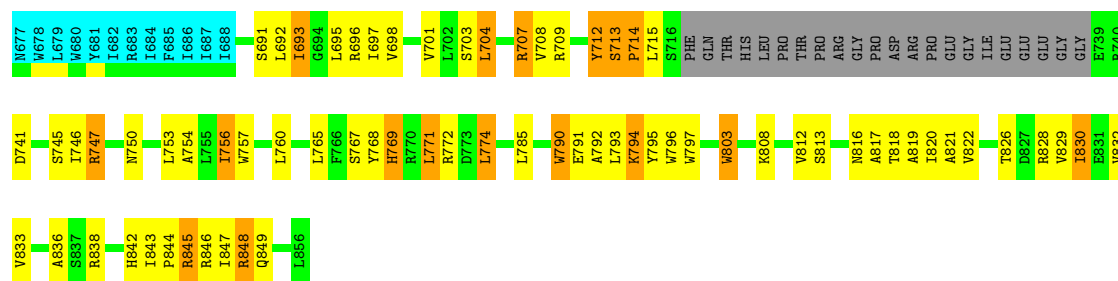
• Molecule 1: Transmembrane protein gp41



• Molecule 1: Transmembrane protein gp41

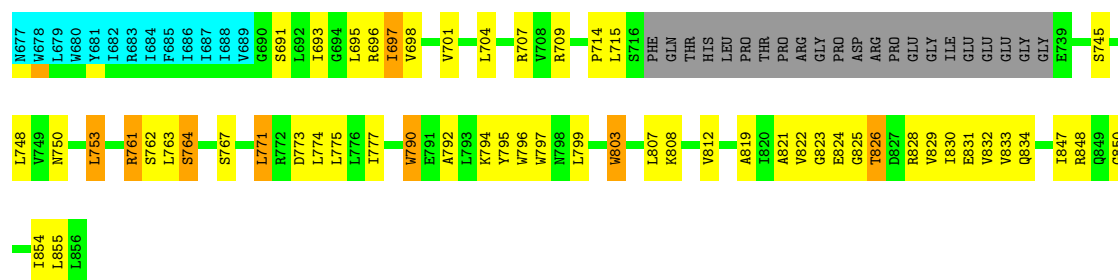






### • Molecule 1: Transmembrane protein gp41

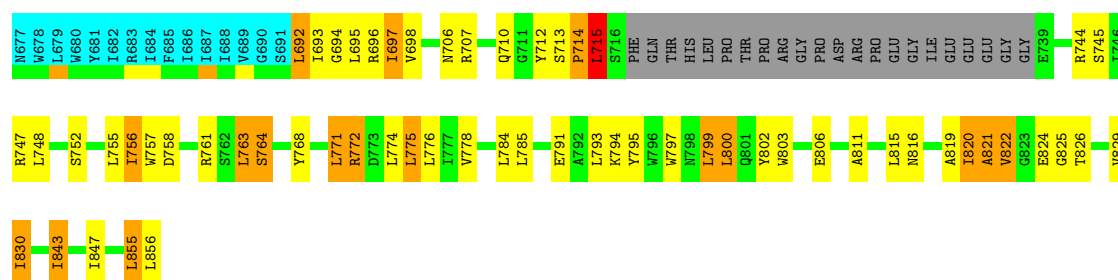
Chain C: 49% 27% 7% 12%



## 4.2.5 Score per residue for model 5 (medoid)

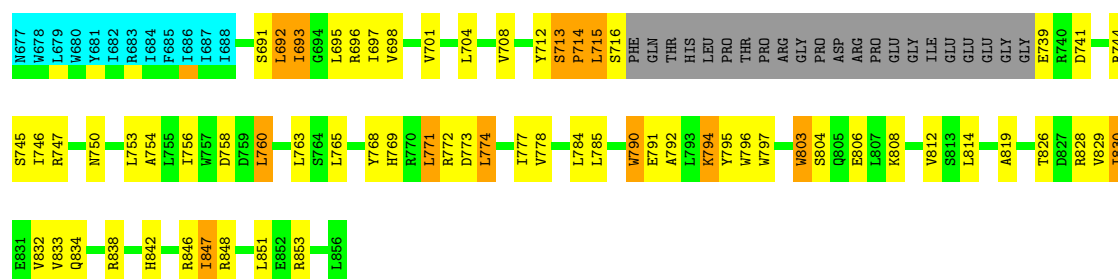
### • Molecule 1: Transmembrane protein gp41

Chain A: 46% 24% 9% 8% 12%

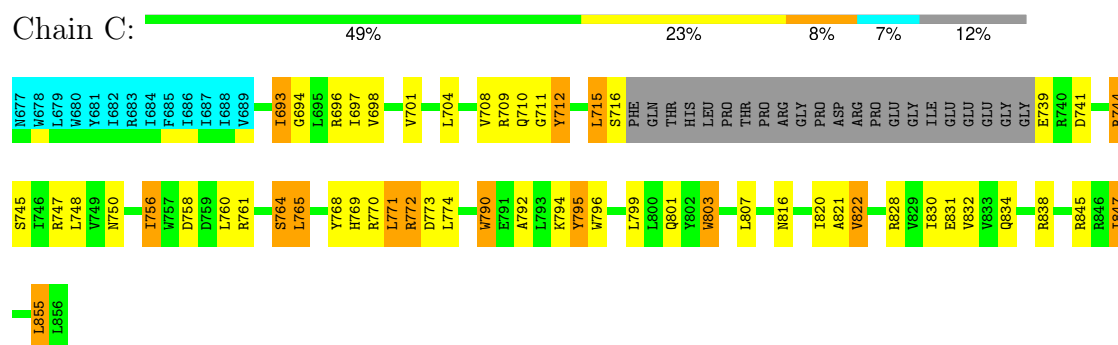


### • Molecule 1: Transmembrane protein gp41

Chain B: 44% 30% 7% 7% 12%

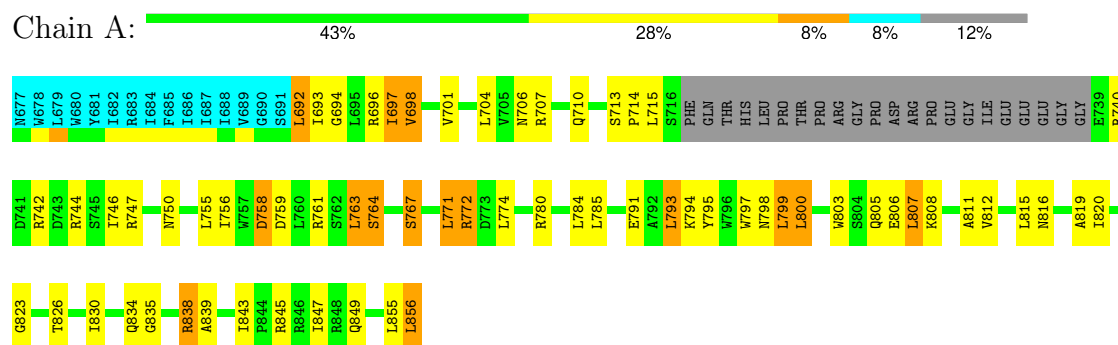


- Molecule 1: Transmembrane protein gp41

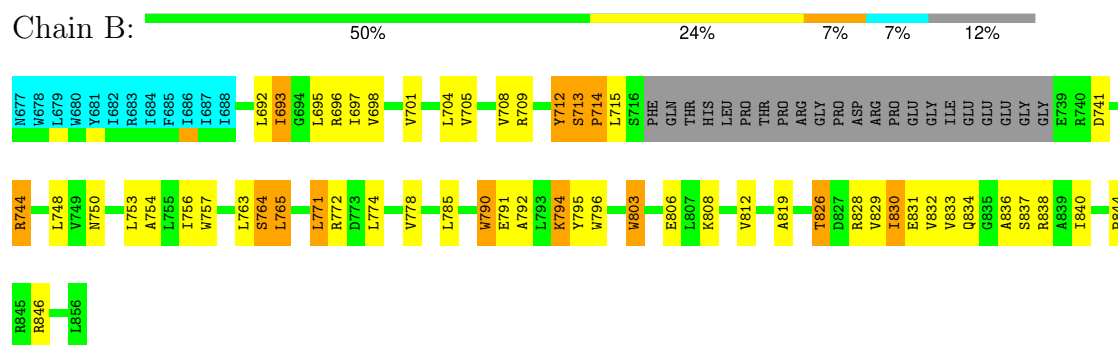


#### 4.2.6 Score per residue for model 6

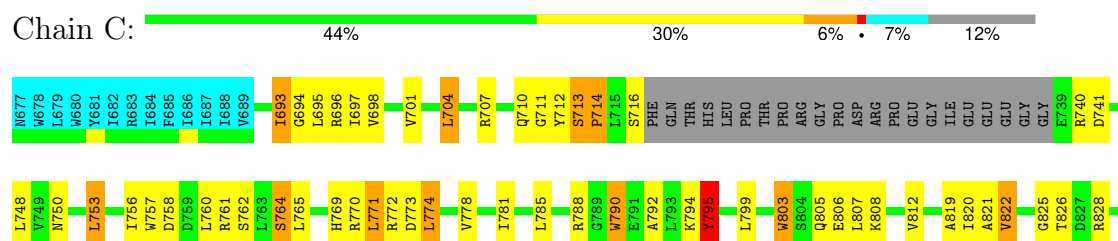
- Molecule 1: Transmembrane protein gp41

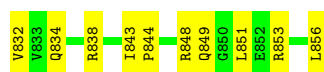


- Molecule 1: Transmembrane protein gp41



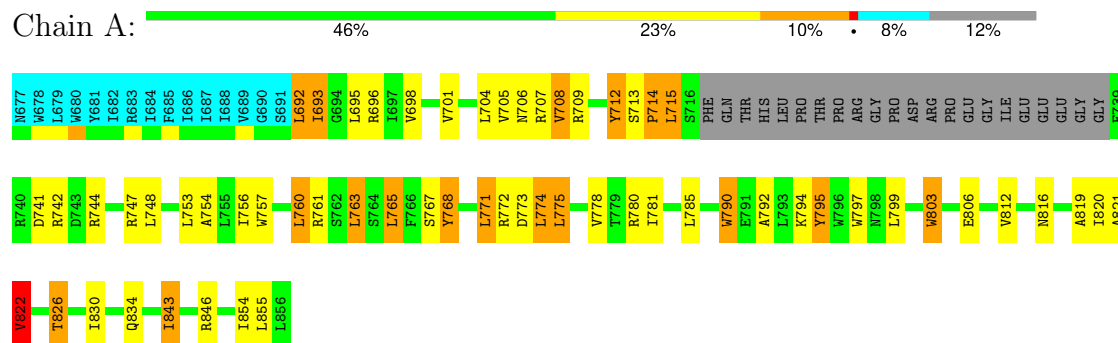
- Molecule 1: Transmembrane protein gp41



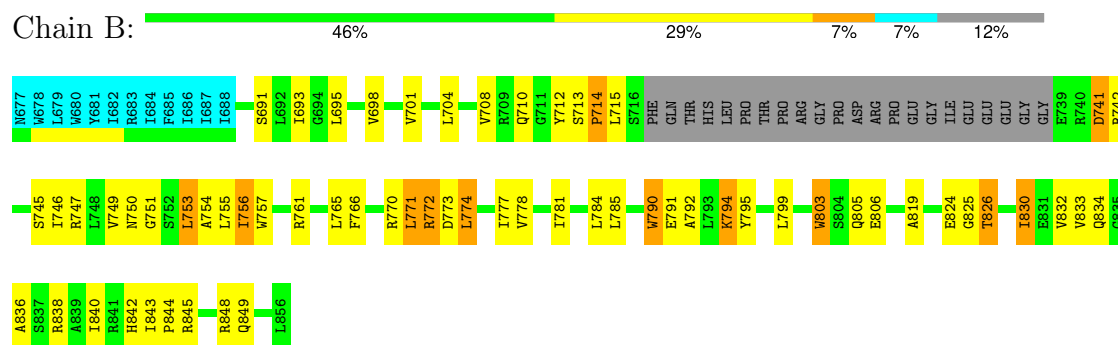


#### 4.2.7 Score per residue for model 7

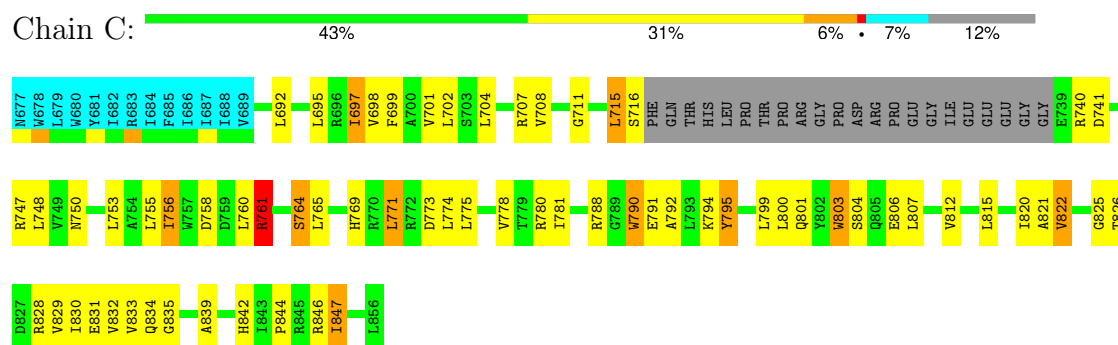
- Molecule 1: Transmembrane protein gp41



- Molecule 1: Transmembrane protein gp41

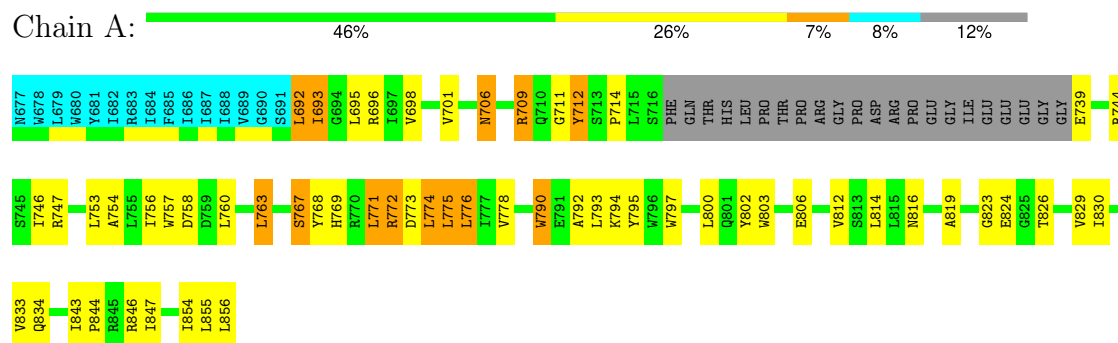


- Molecule 1: Transmembrane protein gp41

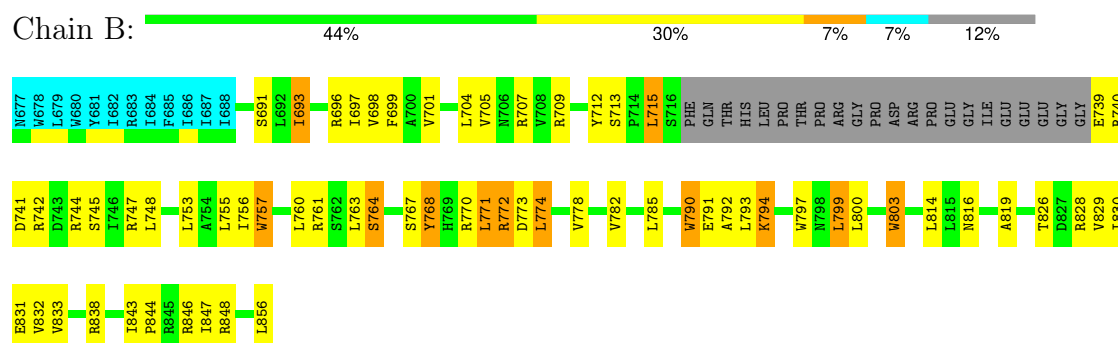


#### 4.2.8 Score per residue for model 8

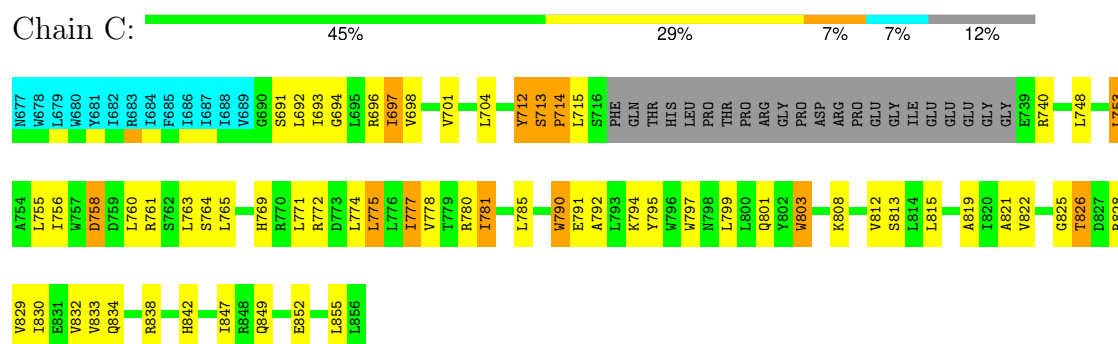
- Molecule 1: Transmembrane protein gp41



- Molecule 1: Transmembrane protein gp41

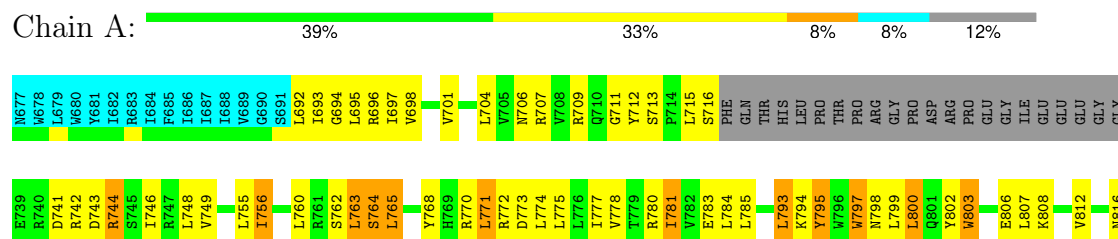


- Molecule 1: Transmembrane protein gp41



#### 4.2.9 Score per residue for model 9

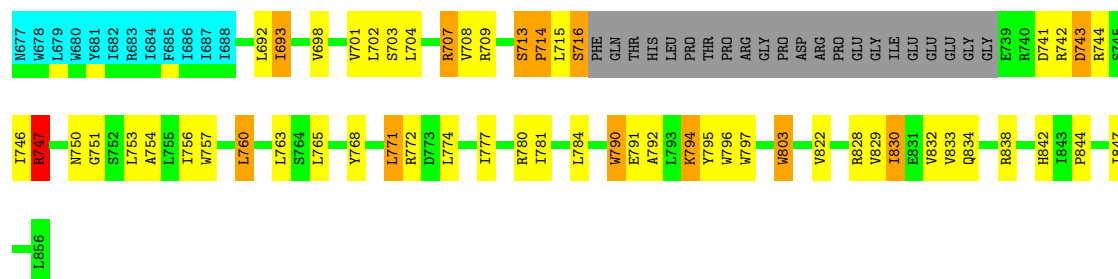
- Molecule 1: Transmembrane protein gp41





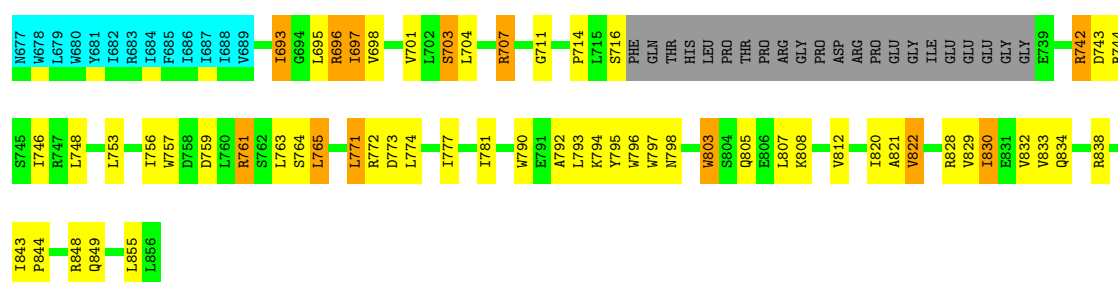
• Molecule 1: Transmembrane protein gp41

Chain B: 50% 24% 7% 7% 12%



• Molecule 1: Transmembrane protein gp41

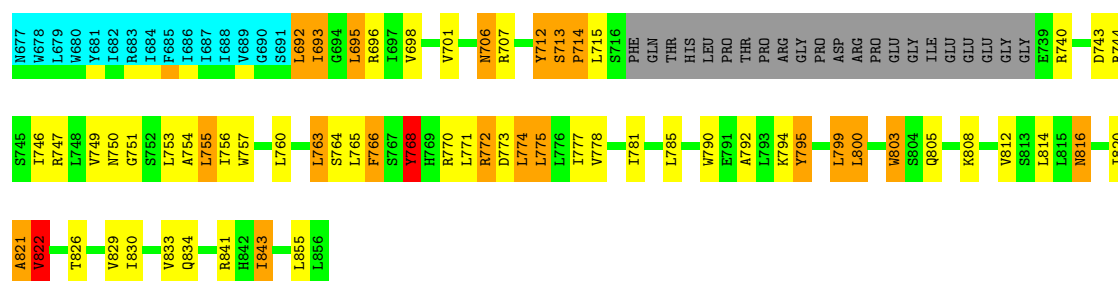
Chain C: 48% 26% 7% 7% 12%



#### 4.2.10 Score per residue for model 10

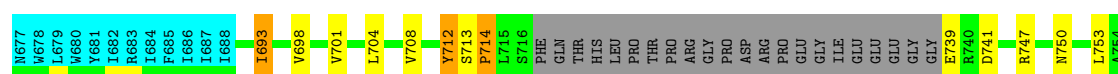
• Molecule 1: Transmembrane protein gp41

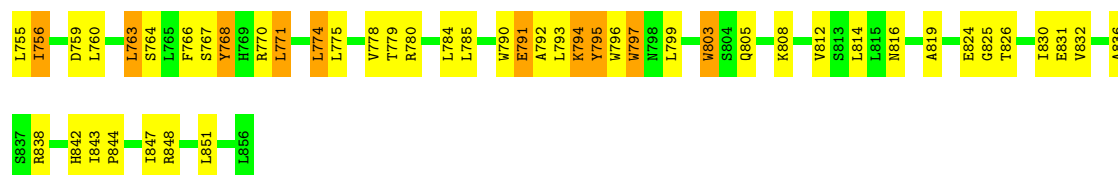
Chain A: 44% 23% 11% 8% 12%



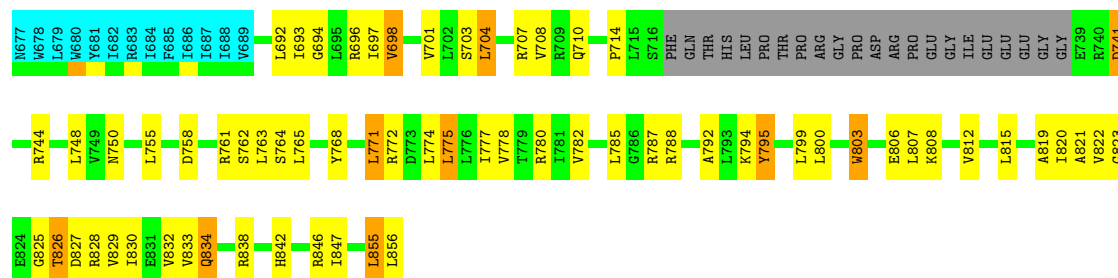
• Molecule 1: Transmembrane protein gp41

Chain B: 47% 27% 7% 7% 12%



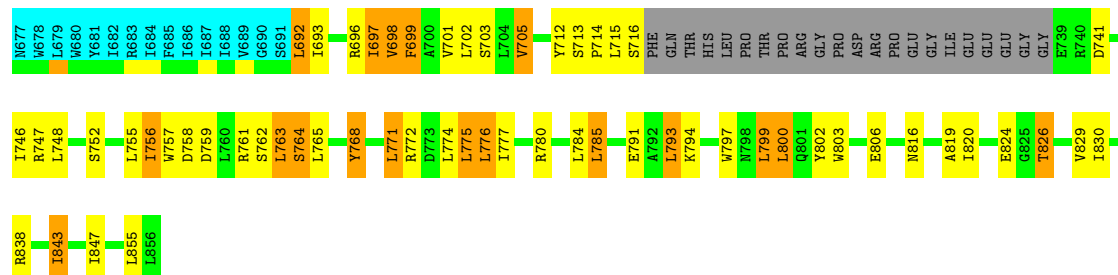


• Molecule 1: Transmembrane protein gp41

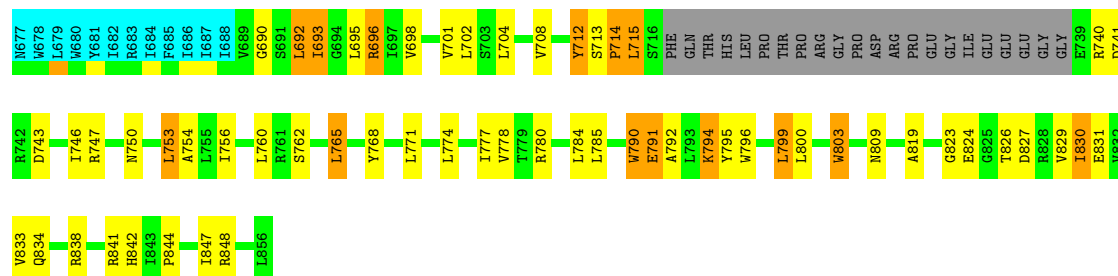


#### 4.2.11 Score per residue for model 11

• Molecule 1: Transmembrane protein gp41

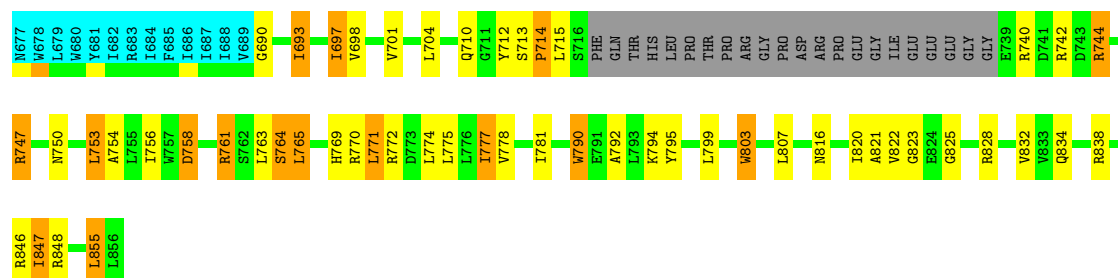


• Molecule 1: Transmembrane protein gp41



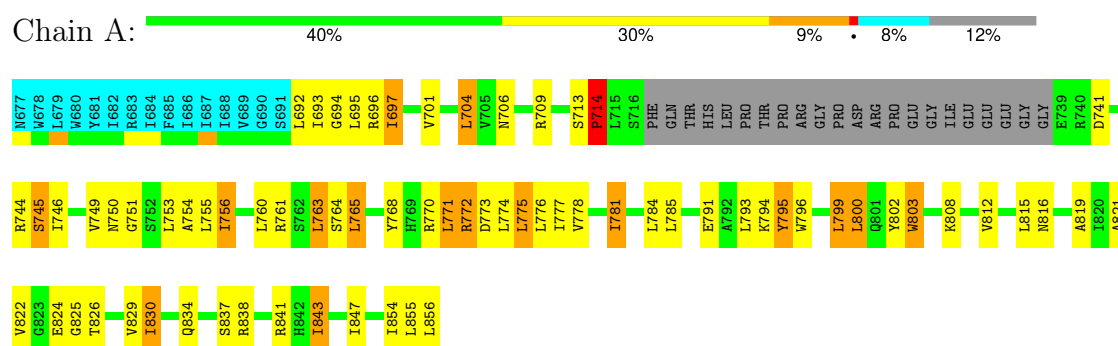
• Molecule 1: Transmembrane protein gp41



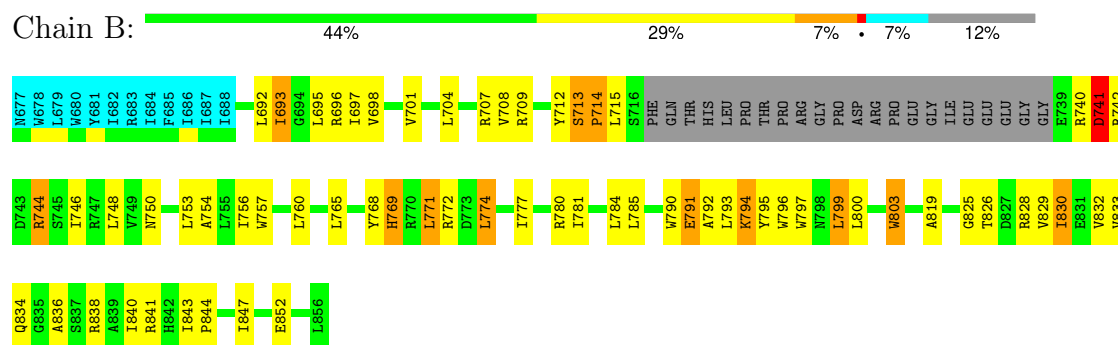


#### 4.2.12 Score per residue for model 12

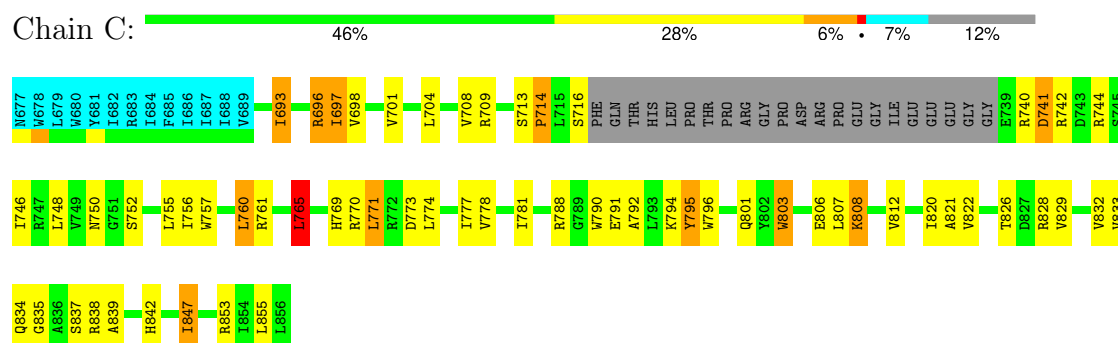
- Molecule 1: Transmembrane protein gp41



- Molecule 1: Transmembrane protein gp41

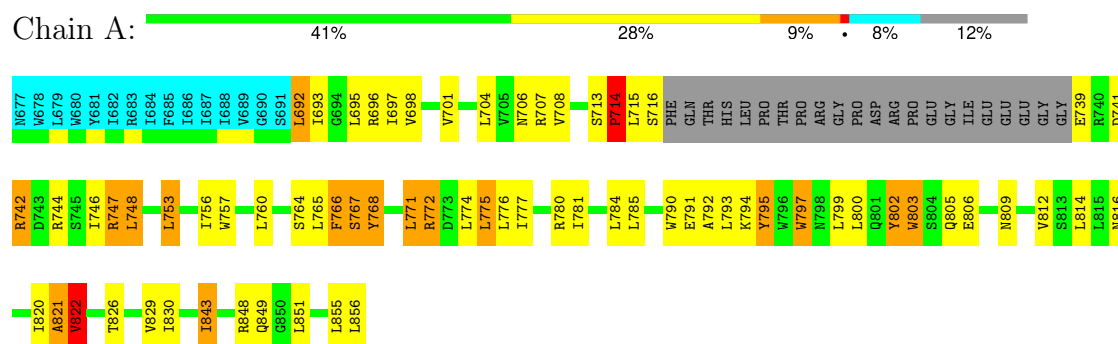


- Molecule 1: Transmembrane protein gp41

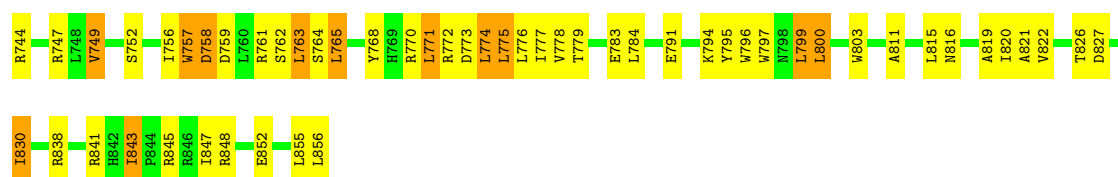


### 4.2.13 Score per residue for model 13

#### • Molecule 1: Transmembrane protein gp41

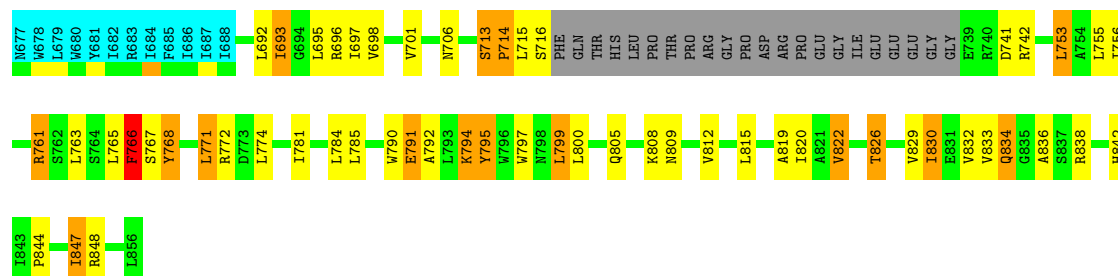






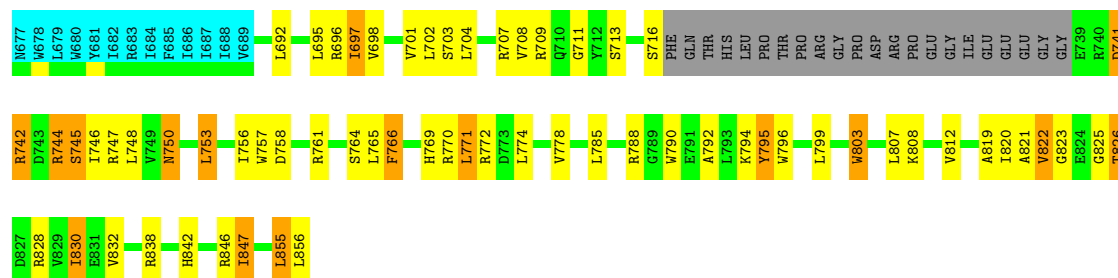
• Molecule 1: Transmembrane protein gp41

Chain B: 49% 22% 9% 7% 12%



• Molecule 1: Transmembrane protein gp41

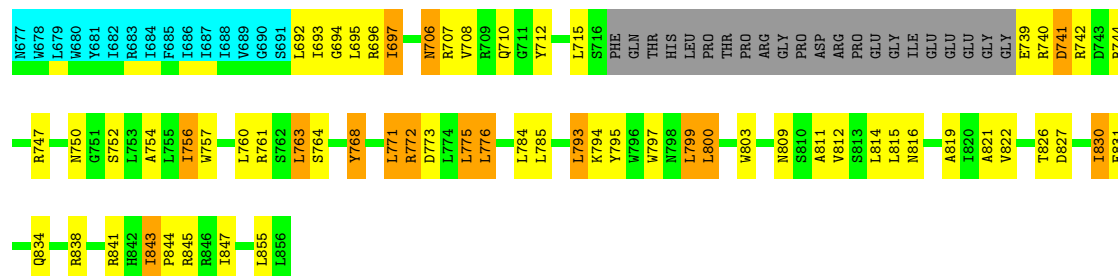
Chain C: 44% 27% 9% 7% 12%



#### 4.2.15 Score per residue for model 15

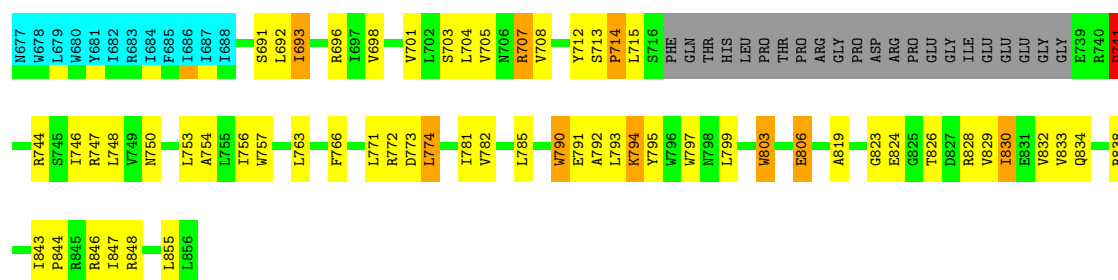
• Molecule 1: Transmembrane protein gp41

Chain A: 44% 27% 8% 8% 12%



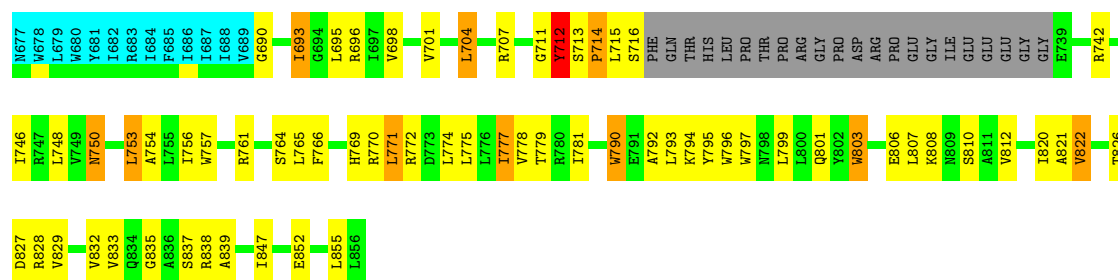
• Molecule 1: Transmembrane protein gp41

Chain B: 47% 28% 5% 7% 12%



● Molecule 1: Transmembrane protein gp41

Chain C: 43% 31% 6% 7% 12%



## 5 Refinement protocol and experimental data overview

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

Of the 150 calculated structures, 15 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
X-PLOR NIH	refinement	
X-PLOR NIH	structure calculation	

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

Chemical shift file(s)	working_cs.cif
Number of chemical shift lists	1
Total number of shifts	596
Number of shifts mapped to atoms	561
Number of unparsed shifts	0
Number of shifts with mapping errors	35
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	8%

## 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	0.81±0.01	0±0/1189 ( 0.0± 0.0%)	0.96±0.02	0±1/1606 ( 0.0± 0.1%)
1	B	0.79±0.01	0±0/1206 ( 0.0± 0.0%)	0.96±0.01	0±0/1629 ( 0.0± 0.0%)
1	C	0.80±0.01	0±0/1199 ( 0.0± 0.0%)	0.97±0.01	0±0/1619 ( 0.0± 0.0%)
All	All	0.80	0/53910 ( 0.0%)	0.96	10/72810 ( 0.0%)

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	B	0.0±0.0	0.1±0.3
1	C	0.0±0.0	0.1±0.2
All	All	0	3

There are no bond-length outliers.

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

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	795	TYR	CB-CG-CD1	-6.37	117.18	121.00	13	1
1	C	742	ARG	NE-CZ-NH2	5.65	123.12	120.30	14	1
1	A	712	TYR	CB-CG-CD1	-5.58	117.65	121.00	9	1
1	B	768	TYR	CB-CG-CD2	-5.30	117.82	121.00	13	1
1	C	795	TYR	CB-CG-CD1	-5.27	117.84	121.00	1	1
1	A	795	TYR	CB-CG-CD2	5.18	124.11	121.00	13	1
1	A	747	ARG	NE-CZ-NH2	5.11	122.85	120.30	13	1
1	B	747	ARG	NE-CZ-NH2	5.06	122.83	120.30	9	1
1	A	797	TRP	CB-CG-CD2	5.04	133.16	126.60	13	1
1	C	795	TYR	CB-CG-CD2	-5.01	117.99	121.00	6	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	C	761	ARG	Sidechain	1
1	B	761	ARG	Sidechain	1
1	B	707	ARG	Sidechain	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	1171	1235	1232	48±8
1	B	1188	1252	1249	42±8
1	C	1181	1243	1240	42±5
All	All	53100	55950	55815	1674

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 15.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:754:ALA:HB1	1:B:715:LEU:HD12	0.89	1.41	1	1
1:A:692:LEU:HD12	1:A:693:ILE:N	0.82	1.90	12	4
1:A:692:LEU:HD23	1:A:696:ARG:CZ	0.80	2.06	13	1
1:B:771:LEU:HD22	1:B:772:ARG:N	0.78	1.93	7	5
1:A:756:ILE:HD13	1:C:795:TYR:CZ	0.78	2.13	13	1
1:B:695:LEU:HD22	1:B:696:ARG:NH1	0.78	1.94	4	3
1:B:698:VAL:O	1:B:701:VAL:HG22	0.76	1.79	15	15
1:A:693:ILE:HD13	1:B:696:ARG:NH1	0.76	1.96	11	1
1:A:771:LEU:HD22	1:A:772:ARG:N	0.75	1.95	8	3
1:A:698:VAL:O	1:A:701:VAL:HG22	0.75	1.82	6	4
1:B:785:LEU:HD23	1:C:750:ASN:ND2	0.75	1.97	7	11
1:B:713:SER:O	1:B:714:PRO:O	0.74	2.04	1	10
1:A:747:ARG:NE	1:C:785:LEU:HD23	0.74	1.98	10	1
1:A:795:TYR:CD2	1:B:756:ILE:HG21	0.74	2.18	8	2
1:A:785:LEU:HD23	1:B:750:ASN:ND2	0.73	1.98	11	8
1:C:698:VAL:O	1:C:701:VAL:HG22	0.73	1.83	4	15
1:C:764:SER:OG	1:C:771:LEU:HD12	0.73	1.83	13	3

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:771:LEU:HD13	1:B:772:ARG:N	0.73	1.98	9	3
1:B:704:LEU:O	1:B:708:VAL:HG23	0.72	1.83	3	11
1:A:795:TYR:CG	1:B:756:ILE:HG21	0.72	2.19	3	1
1:B:774:LEU:O	1:B:778:VAL:HG23	0.72	1.83	8	6
1:C:763:LEU:O	1:C:774:LEU:HD13	0.72	1.85	1	3
1:A:847:ILE:HD12	1:A:848:ARG:N	0.72	2.00	14	2
1:B:799:LEU:HD13	1:B:800:LEU:N	0.72	2.00	12	6
1:B:819:ALA:HB1	1:B:826:THR:HG23	0.71	1.61	2	1
1:A:816:ASN:O	1:A:820:ILE:HD12	0.71	1.84	5	7
1:A:793:LEU:HD11	1:A:847:ILE:CD1	0.70	2.16	1	4
1:A:763:LEU:HD22	1:A:764:SER:N	0.70	2.01	15	8
1:C:819:ALA:HB1	1:C:826:THR:CG2	0.69	2.18	8	5
1:B:781:ILE:CG2	1:C:746:ILE:HG21	0.69	2.17	13	2
1:A:763:LEU:O	1:A:774:LEU:HD13	0.69	1.86	1	5
1:A:755:LEU:O	1:A:755:LEU:HD23	0.69	1.87	12	4
1:B:693:ILE:HD13	1:B:693:ILE:O	0.69	1.88	9	5
1:A:793:LEU:HD22	1:A:847:ILE:HD11	0.69	1.63	8	1
1:B:797:TRP:CD1	1:B:847:ILE:HG21	0.69	2.23	14	9
1:B:795:TYR:CB	1:C:756:ILE:HG21	0.69	2.18	2	1
1:A:808:LYS:O	1:A:812:VAL:HG23	0.68	1.87	12	6
1:C:748:LEU:HD13	1:C:748:LEU:O	0.68	1.88	8	4
1:A:693:ILE:HD13	1:B:696:ARG:NH2	0.68	2.02	5	1
1:B:753:LEU:O	1:B:756:ILE:HG22	0.68	1.89	3	5
1:C:777:ILE:HD13	1:C:778:VAL:N	0.67	2.03	2	1
1:A:812:VAL:HG22	1:A:834:GLN:OE1	0.67	1.89	6	2
1:C:812:VAL:HG12	1:C:834:GLN:NE2	0.67	2.05	8	1
1:A:742:ARG:CZ	1:A:746:ILE:HD11	0.67	2.19	13	1
1:C:704:LEU:HD22	1:C:707:ARG:NH2	0.67	2.04	15	1
1:B:799:LEU:CD1	1:B:800:LEU:HD22	0.67	2.19	3	1
1:A:692:LEU:HD13	1:A:693:ILE:N	0.67	2.03	10	2
1:B:764:SER:OG	1:B:771:LEU:HD12	0.67	1.88	13	2
1:C:774:LEU:HD13	1:C:777:ILE:CG1	0.67	2.20	13	1
1:A:799:LEU:CD2	1:B:760:LEU:HD13	0.66	2.20	5	2
1:A:795:TYR:CD1	1:B:756:ILE:HG21	0.66	2.25	3	1
1:A:764:SER:CB	1:A:771:LEU:HD12	0.66	2.20	11	4
1:B:715:LEU:O	1:B:715:LEU:HD23	0.66	1.90	12	2
1:A:819:ALA:HB1	1:A:826:THR:CG2	0.66	2.21	14	3
1:A:816:ASN:OD1	1:A:830:ILE:HD11	0.66	1.89	6	5
1:A:755:LEU:HG	1:B:715:LEU:HD21	0.66	1.68	12	1
1:C:763:LEU:HD22	1:C:764:SER:N	0.66	2.06	13	1
1:A:759:ASP:OD2	1:A:763:LEU:HD11	0.66	1.89	14	1

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:793:LEU:HD12	1:A:847:ILE:HD11	0.66	1.65	6	3
1:C:697:ILE:HD13	1:C:697:ILE:O	0.66	1.90	8	8
1:B:777:ILE:HD12	1:B:778:VAL:N	0.66	2.06	7	3
1:A:785:LEU:HD21	1:B:747:ARG:HG2	0.66	1.66	9	2
1:A:795:TYR:CE2	1:B:756:ILE:HG21	0.66	2.26	8	1
1:A:764:SER:OG	1:A:771:LEU:HD12	0.66	1.91	15	2
1:B:781:ILE:HD12	1:B:782:VAL:N	0.66	2.05	15	1
1:A:774:LEU:HD23	1:A:775:LEU:N	0.65	2.05	10	3
1:B:697:ILE:O	1:B:697:ILE:HD13	0.65	1.91	2	1
1:C:778:VAL:O	1:C:781:ILE:HG22	0.65	1.91	6	2
1:C:774:LEU:HD23	1:C:777:ILE:HG12	0.65	1.66	11	2
1:B:693:ILE:HD11	1:C:696:ARG:NE	0.65	2.05	1	3
1:C:694:GLY:O	1:C:697:ILE:HG22	0.65	1.92	10	5
1:B:756:ILE:HD13	1:B:756:ILE:O	0.65	1.91	3	5
1:A:793:LEU:HD11	1:A:847:ILE:HG13	0.65	1.69	9	2
1:A:821:ALA:O	1:A:822:VAL:HG13	0.65	1.91	1	4
1:B:791:GLU:O	1:B:794:LYS:HG3	0.64	1.92	3	14
1:B:819:ALA:HB1	1:B:826:THR:CG2	0.64	2.22	2	2
1:B:715:LEU:HD13	1:B:715:LEU:O	0.64	1.92	1	1
1:A:819:ALA:HB1	1:A:826:THR:HB	0.64	1.69	8	7
1:A:771:LEU:HD12	1:A:771:LEU:C	0.64	2.11	13	2
1:C:775:LEU:O	1:C:778:VAL:HG22	0.64	1.92	7	9
1:C:764:SER:CB	1:C:771:LEU:HD12	0.64	2.22	7	4
1:B:693:ILE:HD11	1:C:696:ARG:HG3	0.64	1.68	9	4
1:B:781:ILE:HG21	1:C:746:ILE:HG21	0.64	1.69	13	1
1:B:693:ILE:HD12	1:C:696:ARG:HG3	0.63	1.70	6	3
1:C:710:GLN:O	1:C:715:LEU:HD12	0.63	1.93	5	1
1:A:791:GLU:CB	1:B:753:LEU:HD22	0.63	2.24	11	3
1:C:806:GLU:CG	1:C:807:LEU:HD22	0.63	2.23	7	1
1:B:693:ILE:HD11	1:C:696:ARG:CG	0.63	2.24	9	3
1:A:800:LEU:HD22	1:A:803:TRP:CZ3	0.63	2.29	12	12
1:B:781:ILE:HG23	1:C:746:ILE:HG21	0.63	1.71	9	2
1:A:812:VAL:HG21	1:A:834:GLN:OE1	0.63	1.93	1	2
1:A:777:ILE:HD13	1:B:743:ASP:OD2	0.63	1.94	9	1
1:C:781:ILE:CD1	1:C:785:LEU:HD13	0.62	2.24	8	1
1:A:796:TRP:HE1	1:B:756:ILE:HD12	0.62	1.54	12	2
1:C:819:ALA:HB1	1:C:826:THR:HG21	0.62	1.70	3	1
1:A:697:ILE:O	1:A:697:ILE:HD13	0.62	1.94	1	9
1:A:793:LEU:O	1:A:793:LEU:HD13	0.62	1.92	11	3
1:C:704:LEU:HD13	1:C:707:ARG:CZ	0.62	2.24	3	1
1:C:764:SER:O	1:C:765:LEU:HD23	0.62	1.94	1	1

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:759:ASP:O	1:A:763:LEU:HD12	0.62	1.95	11	3
1:A:742:ARG:NH2	1:A:746:ILE:HD11	0.62	2.09	13	1
1:A:748:LEU:HD21	1:B:714:PRO:HG2	0.62	1.71	1	1
1:A:746:ILE:HG12	1:C:781:ILE:HD12	0.62	1.70	11	3
1:C:771:LEU:HA	1:C:774:LEU:HD12	0.62	1.71	11	1
1:A:768:TYR:CZ	1:A:771:LEU:HD23	0.62	2.30	13	1
1:C:806:GLU:HG3	1:C:807:LEU:HD22	0.62	1.69	7	2
1:B:790:TRP:CZ2	1:B:793:LEU:HD13	0.61	2.30	1	3
1:C:756:ILE:O	1:C:756:ILE:HD13	0.61	1.93	5	1
1:A:692:LEU:HD23	1:C:693:ILE:HG21	0.61	1.71	9	1
1:A:800:LEU:HD22	1:A:803:TRP:CH2	0.61	2.30	13	5
1:B:774:LEU:CD2	1:B:777:ILE:HD11	0.61	2.24	9	2
1:A:764:SER:HB3	1:A:771:LEU:HD12	0.61	1.72	4	5
1:B:774:LEU:HD12	1:B:775:LEU:N	0.61	2.10	10	1
1:A:715:LEU:HB3	1:C:754:ALA:HB1	0.61	1.72	11	3
1:C:762:SER:O	1:C:774:LEU:HD22	0.61	1.96	6	2
1:A:715:LEU:HD21	1:C:758:ASP:CG	0.61	2.16	2	1
1:A:745:SER:O	1:A:749:VAL:HG23	0.61	1.95	12	1
1:A:746:ILE:HG21	1:C:781:ILE:HG23	0.61	1.72	1	1
1:A:763:LEU:HD13	1:A:764:SER:H	0.61	1.55	10	3
1:B:756:ILE:HG23	1:B:757:TRP:CE3	0.61	2.30	8	1
1:A:704:LEU:HD21	1:B:707:ARG:HG2	0.61	1.73	12	1
1:A:819:ALA:HB1	1:A:826:THR:HG22	0.61	1.72	12	2
1:A:816:ASN:HD22	1:A:830:ILE:HD11	0.60	1.56	3	1
1:B:763:LEU:HD23	1:B:764:SER:H	0.60	1.55	10	1
1:B:694:GLY:O	1:B:697:ILE:HG22	0.60	1.96	2	1
1:B:795:TYR:CG	1:C:756:ILE:HG21	0.60	2.30	2	1
1:C:753:LEU:O	1:C:756:ILE:HG22	0.60	1.96	2	5
1:C:774:LEU:HD23	1:C:777:ILE:CG1	0.60	2.26	4	2
1:A:799:LEU:HB3	1:A:803:TRP:CH2	0.60	2.31	14	5
1:B:705:VAL:HG21	1:B:748:LEU:HD22	0.60	1.72	8	2
1:C:819:ALA:HB1	1:C:826:THR:HG22	0.60	1.74	8	2
1:B:774:LEU:HD13	1:B:774:LEU:O	0.60	1.97	4	4
1:A:755:LEU:HB2	1:B:715:LEU:HD22	0.59	1.75	4	1
1:A:816:ASN:O	1:A:820:ILE:HD13	0.59	1.96	14	2
1:C:826:THR:O	1:C:830:ILE:HG22	0.59	1.98	1	2
1:C:820:ILE:O	1:C:822:VAL:HG12	0.59	1.97	5	2
1:A:781:ILE:CG1	1:B:746:ILE:HG21	0.59	2.27	7	1
1:B:791:GLU:CD	1:C:753:LEU:HD22	0.59	2.18	8	1
1:C:765:LEU:HD13	1:C:774:LEU:HD21	0.59	1.74	11	1
1:A:791:GLU:HB2	1:B:753:LEU:HD22	0.59	1.73	11	4

*Continued on next page...*



Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:713:SER:O	1:A:714:PRO:O	0.59	2.20	13	3
1:C:792:ALA:HA	1:C:795:TYR:CZ	0.59	2.33	7	3
1:C:748:LEU:HD22	1:C:748:LEU:O	0.59	1.98	1	1
1:A:755:LEU:HD12	1:B:715:LEU:HD11	0.59	1.75	11	1
1:A:811:ALA:HB1	1:A:815:LEU:CD1	0.59	2.27	5	4
1:C:755:LEU:HD23	1:C:755:LEU:O	0.59	1.97	7	1
1:A:750:ASN:OD1	1:C:785:LEU:HD23	0.58	1.97	2	1
1:A:793:LEU:HD11	1:A:847:ILE:HD11	0.58	1.75	4	3
1:A:799:LEU:HD11	1:B:756:ILE:HG21	0.58	1.73	4	1
1:B:774:LEU:O	1:B:774:LEU:HD13	0.58	1.97	8	1
1:A:819:ALA:HB1	1:A:826:THR:CB	0.58	2.29	7	1
1:B:695:LEU:HD23	1:B:695:LEU:O	0.58	1.99	3	6
1:B:819:ALA:HB1	1:B:826:THR:OG1	0.58	1.97	13	4
1:A:713:SER:HB2	1:C:708:VAL:HG23	0.58	1.73	12	1
1:A:816:ASN:CG	1:A:830:ILE:HD11	0.58	2.18	7	4
1:B:785:LEU:HD21	1:C:747:ARG:HG2	0.58	1.76	7	1
1:C:799:LEU:O	1:C:803:TRP:CE3	0.58	2.57	2	8
1:A:812:VAL:HG22	1:A:834:GLN:HG3	0.58	1.74	12	2
1:A:696:ARG:HE	1:C:693:ILE:HD11	0.58	1.59	15	6
1:A:756:ILE:HD13	1:C:795:TYR:CE1	0.58	2.34	13	1
1:A:754:ALA:HB1	1:B:715:LEU:HB3	0.57	1.75	2	2
1:A:793:LEU:HD12	1:A:847:ILE:CD1	0.57	2.29	6	1
1:C:710:GLN:O	1:C:715:LEU:HD13	0.57	1.99	13	1
1:A:748:LEU:HD21	1:B:714:PRO:CG	0.57	2.29	1	1
1:B:771:LEU:H	1:B:771:LEU:HD13	0.57	1.58	1	3
1:B:771:LEU:HD13	1:B:772:ARG:H	0.57	1.57	12	3
1:C:693:ILE:HD12	1:C:693:ILE:O	0.57	2.00	11	4
1:A:763:LEU:HD13	1:A:764:SER:N	0.57	2.15	10	3
1:A:763:LEU:HD22	1:A:763:LEU:C	0.57	2.20	11	10
1:A:781:ILE:HG23	1:B:746:ILE:HG12	0.57	1.76	13	1
1:A:793:LEU:C	1:A:793:LEU:HD13	0.57	2.19	9	6
1:B:819:ALA:HB1	1:B:826:THR:HB	0.57	1.75	10	4
1:C:830:ILE:HD13	1:C:830:ILE:O	0.57	1.99	9	2
1:C:742:ARG:O	1:C:746:ILE:HD12	0.57	2.00	12	1
1:B:774:LEU:HD22	1:B:777:ILE:HD11	0.57	1.76	12	4
1:A:812:VAL:HG22	1:A:834:GLN:CD	0.57	2.20	6	1
1:A:821:ALA:O	1:A:822:VAL:HG22	0.57	1.99	5	1
1:B:760:LEU:C	1:B:760:LEU:HD23	0.57	2.20	13	5
1:A:775:LEU:HD23	1:A:776:LEU:N	0.57	2.15	12	9
1:C:774:LEU:O	1:C:777:ILE:HG13	0.57	2.00	10	1
1:C:765:LEU:HB2	1:C:774:LEU:HD21	0.56	1.77	13	2

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:715:LEU:HD11	1:C:739:GLU:OE1	0.56	2.00	5	1
1:A:855:LEU:C	1:A:856:LEU:HD23	0.56	2.21	5	3
1:B:774:LEU:HD21	1:C:742:ARG:CZ	0.56	2.30	9	1
1:C:790:TRP:CZ2	1:C:793:LEU:HD13	0.56	2.35	13	1
1:B:781:ILE:HD13	1:C:746:ILE:HG21	0.56	1.76	15	1
1:A:771:LEU:HD12	1:A:772:ARG:N	0.56	2.15	1	3
1:A:763:LEU:O	1:A:774:LEU:HD22	0.56	2.00	2	1
1:C:820:ILE:O	1:C:822:VAL:N	0.56	2.38	9	8
1:B:765:LEU:HD12	1:B:774:LEU:HD23	0.56	1.76	9	1
1:B:797:TRP:NE1	1:B:847:ILE:HG21	0.56	2.16	10	1
1:A:692:LEU:HD13	1:C:693:ILE:HG12	0.56	1.77	12	1
1:C:829:VAL:O	1:C:833:VAL:HG22	0.56	1.99	7	8
1:A:754:ALA:HB3	1:B:715:LEU:O	0.56	2.00	15	2
1:C:771:LEU:H	1:C:771:LEU:HD13	0.56	1.59	4	8
1:A:793:LEU:O	1:A:793:LEU:HD23	0.56	2.00	8	1
1:A:799:LEU:HD23	1:A:803:TRP:CZ2	0.56	2.36	15	3
1:C:771:LEU:HD22	1:C:771:LEU:N	0.56	2.15	10	11
1:A:777:ILE:HD12	1:A:778:VAL:N	0.56	2.15	9	3
1:A:713:SER:CB	1:C:708:VAL:HG23	0.56	2.30	12	1
1:B:791:GLU:HB2	1:C:753:LEU:HD22	0.55	1.78	1	1
1:A:708:VAL:HG21	1:B:714:PRO:HD2	0.55	1.77	7	2
1:A:785:LEU:CD2	1:B:749:VAL:HG13	0.55	2.31	13	1
1:A:795:TYR:O	1:A:799:LEU:HD12	0.55	2.02	4	2
1:A:763:LEU:HD12	1:A:763:LEU:H	0.55	1.61	7	1
1:A:747:ARG:HE	1:C:785:LEU:HD23	0.55	1.59	10	1
1:A:763:LEU:N	1:A:763:LEU:HD13	0.55	2.16	14	1
1:B:830:ILE:HD13	1:B:830:ILE:O	0.55	2.02	3	9
1:A:802:TYR:OH	1:B:760:LEU:HD21	0.55	2.00	2	2
1:C:764:SER:O	1:C:765:LEU:HB2	0.55	2.02	5	1
1:A:796:TRP:NE1	1:B:756:ILE:HD12	0.55	2.17	14	2
1:C:748:LEU:HD13	1:C:749:VAL:N	0.55	2.16	1	1
1:C:765:LEU:HB2	1:C:774:LEU:HD11	0.55	1.77	11	3
1:A:781:ILE:HD12	1:B:746:ILE:HG12	0.55	1.77	13	2
1:A:820:ILE:O	1:A:822:VAL:N	0.55	2.40	1	3
1:B:774:LEU:HD13	1:B:777:ILE:HD11	0.55	1.78	1	2
1:C:840:ILE:HD13	1:C:840:ILE:O	0.55	2.01	2	1
1:A:764:SER:O	1:A:770:ARG:HB2	0.55	2.01	14	3
1:A:756:ILE:HG23	1:C:795:TYR:HB2	0.55	1.78	9	3
1:A:795:TYR:HB3	1:B:756:ILE:HG21	0.55	1.79	9	1
1:C:777:ILE:HD12	1:C:778:VAL:N	0.55	2.17	10	2
1:B:704:LEU:HD11	1:C:712:TYR:CD2	0.55	2.37	15	1

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:771:LEU:H	1:A:771:LEU:HD13	0.54	1.62	2	7
1:B:808:LYS:O	1:B:812:VAL:HG22	0.54	2.02	1	1
1:C:792:ALA:O	1:C:795:TYR:CD2	0.54	2.61	10	5
1:A:709:ARG:CZ	1:C:761:ARG:CZ	0.54	2.85	9	1
1:A:749:VAL:HG21	1:C:781:ILE:HD11	0.54	1.79	9	1
1:B:797:TRP:CE2	1:B:847:ILE:HD13	0.54	2.38	14	3
1:A:693:ILE:HD12	1:A:694:GLY:N	0.54	2.18	15	6
1:A:785:LEU:HD13	1:B:750:ASN:CG	0.54	2.22	13	1
1:A:754:ALA:HB1	1:B:715:LEU:CD1	0.54	2.25	1	1
1:C:768:TYR:CD2	1:C:771:LEU:HD11	0.54	2.37	3	1
1:B:753:LEU:HD12	1:B:754:ALA:N	0.54	2.18	12	6
1:C:695:LEU:HD22	1:C:696:ARG:HH22	0.54	1.63	15	2
1:C:808:LYS:O	1:C:812:VAL:HG13	0.54	2.02	8	1
1:A:820:ILE:HD11	1:A:827:ASP:CA	0.54	2.33	14	1
1:B:704:LEU:HD22	1:C:712:TYR:CB	0.54	2.32	6	1
1:A:705:VAL:HG13	1:A:748:LEU:CD2	0.54	2.33	7	1
1:A:753:LEU:HA	1:C:795:TYR:CD1	0.54	2.37	7	1
1:A:826:THR:O	1:A:829:VAL:HG22	0.54	2.03	3	8
1:B:697:ILE:HD12	1:B:698:VAL:N	0.54	2.17	3	5
1:A:795:TYR:C	1:A:799:LEU:HD12	0.54	2.23	4	1
1:A:811:ALA:HB1	1:A:815:LEU:HD12	0.54	1.78	5	3
1:A:815:LEU:HB2	1:A:830:ILE:HD13	0.54	1.80	5	1
1:A:843:ILE:H	1:A:843:ILE:HD13	0.54	1.62	2	12
1:A:692:LEU:HD22	1:A:692:LEU:C	0.54	2.22	13	2
1:A:693:ILE:HG22	1:C:693:ILE:HG21	0.54	1.80	13	1
1:C:760:LEU:O	1:C:760:LEU:HD23	0.53	2.03	7	1
1:B:774:LEU:HD12	1:B:775:LEU:H	0.53	1.62	10	1
1:B:778:VAL:O	1:B:781:ILE:HG22	0.53	2.03	2	2
1:B:751:GLY:O	1:B:754:ALA:HB3	0.53	2.03	7	1
1:A:812:VAL:HG21	1:A:834:GLN:CG	0.53	2.33	10	1
1:A:768:TYR:OH	1:A:771:LEU:HD23	0.53	2.03	13	1
1:A:742:ARG:NH2	1:C:774:LEU:HD12	0.53	2.18	2	1
1:C:753:LEU:HD12	1:C:754:ALA:N	0.53	2.18	2	1
1:A:695:LEU:O	1:A:698:VAL:HG12	0.53	2.04	2	7
1:A:715:LEU:O	1:C:754:ALA:HB3	0.53	2.04	1	1
1:B:693:ILE:HD11	1:C:696:ARG:HE	0.53	1.63	1	1
1:C:797:TRP:CD1	1:C:847:ILE:HD11	0.53	2.38	15	3
1:B:791:GLU:OE1	1:C:753:LEU:HD22	0.53	2.04	8	1
1:B:803:TRP:N	1:B:803:TRP:CE3	0.53	2.76	12	14
1:B:795:TYR:HB3	1:C:756:ILE:HG21	0.53	1.81	2	1
1:B:803:TRP:N	1:B:803:TRP:HE3	0.53	2.01	6	11

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:756:ILE:HD12	1:C:795:TYR:O	0.53	2.03	6	1
1:A:819:ALA:HB1	1:A:826:THR:HG21	0.53	1.79	15	1
1:A:747:ARG:HA	1:C:785:LEU:HD23	0.53	1.80	1	1
1:B:785:LEU:HD23	1:C:750:ASN:HD21	0.53	1.64	7	2
1:C:803:TRP:N	1:C:803:TRP:CE3	0.52	2.76	8	8
1:B:695:LEU:HD22	1:B:696:ARG:HH11	0.52	1.63	3	1
1:C:830:ILE:HG23	1:C:831:GLU:OE1	0.52	2.04	1	1
1:C:795:TYR:O	1:C:799:LEU:HB2	0.52	2.04	8	2
1:C:763:LEU:HD23	1:C:764:SER:N	0.52	2.18	1	2
1:A:799:LEU:HD21	1:B:760:LEU:HD13	0.52	1.80	5	1
1:A:702:LEU:O	1:A:705:VAL:HG23	0.52	2.04	11	1
1:C:756:ILE:C	1:C:756:ILE:HD13	0.52	2.25	2	1
1:A:774:LEU:O	1:A:778:VAL:HG23	0.52	2.05	12	6
1:C:765:LEU:CB	1:C:774:LEU:HD21	0.52	2.34	13	1
1:A:768:TYR:CD2	1:C:803:TRP:CD2	0.52	2.98	1	1
1:A:692:LEU:HD21	1:C:693:ILE:CD1	0.52	2.35	10	2
1:B:829:VAL:O	1:B:833:VAL:HG12	0.52	2.05	9	11
1:B:704:LEU:HD22	1:C:712:TYR:HB3	0.52	1.82	6	1
1:B:829:VAL:O	1:B:833:VAL:HG23	0.52	2.05	8	1
1:C:774:LEU:O	1:C:778:VAL:HG13	0.52	2.04	14	1
1:B:705:VAL:CG2	1:B:748:LEU:HD22	0.52	2.35	8	1
1:B:754:ALA:HB1	1:C:715:LEU:O	0.52	2.05	3	3
1:A:760:LEU:O	1:A:763:LEU:HD13	0.51	2.06	8	2
1:A:785:LEU:HD23	1:B:750:ASN:CG	0.51	2.26	6	3
1:B:794:LYS:HD3	1:B:795:TYR:N	0.51	2.20	2	1
1:A:816:ASN:ND2	1:A:830:ILE:HD11	0.51	2.20	13	2
1:A:751:GLY:O	1:A:754:ALA:HB3	0.51	2.04	12	1
1:A:771:LEU:C	1:A:771:LEU:CD1	0.51	2.79	13	2
1:A:816:ASN:HB2	1:A:830:ILE:HD11	0.51	1.82	8	2
1:A:830:ILE:C	1:A:830:ILE:HD12	0.51	2.26	13	13
1:A:781:ILE:HB	1:B:746:ILE:HG21	0.51	1.81	2	1
1:C:756:ILE:HD13	1:C:756:ILE:O	0.51	2.05	2	1
1:C:760:LEU:HD21	1:C:768:TYR:OH	0.51	2.05	5	1
1:A:709:ARG:O	1:C:761:ARG:NH1	0.51	2.43	8	1
1:A:768:TYR:CE2	1:A:771:LEU:HD23	0.51	2.40	1	1
1:C:745:SER:O	1:C:748:LEU:HD23	0.51	2.05	3	1
1:B:754:ALA:HB1	1:C:715:LEU:HB3	0.51	1.82	7	1
1:C:765:LEU:HD13	1:C:774:LEU:HD11	0.51	1.83	2	1
1:B:794:LYS:HD2	1:C:753:LEU:HD13	0.51	1.82	3	1
1:A:704:LEU:HD12	1:B:712:TYR:O	0.51	2.06	6	1
1:C:797:TRP:NE1	1:C:847:ILE:HD11	0.51	2.21	15	1

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:793:LEU:HD11	1:A:847:ILE:CG1	0.51	2.35	4	3
1:A:748:LEU:HD23	1:B:714:PRO:CG	0.51	2.36	5	2
1:A:697:ILE:HD11	1:B:696:ARG:HD2	0.51	1.82	13	1
1:A:693:ILE:HD11	1:B:696:ARG:HG3	0.51	1.82	1	2
1:A:694:GLY:O	1:A:697:ILE:HG22	0.51	2.06	1	5
1:A:760:LEU:HD13	1:C:799:LEU:HD11	0.51	1.82	1	2
1:A:760:LEU:HD23	1:A:760:LEU:O	0.51	2.05	12	3
1:C:771:LEU:HD22	1:C:771:LEU:H	0.51	1.64	3	6
1:A:695:LEU:HD23	1:A:695:LEU:O	0.51	2.06	5	2
1:C:748:LEU:C	1:C:748:LEU:HD13	0.51	2.26	14	4
1:A:706:ASN:OD1	1:C:704:LEU:HD11	0.51	2.05	9	1
1:C:763:LEU:O	1:C:774:LEU:HD22	0.50	2.06	3	1
1:B:765:LEU:CD1	1:B:774:LEU:HD23	0.50	2.37	9	1
1:C:803:TRP:N	1:C:803:TRP:HE3	0.50	2.04	7	11
1:A:710:GLN:OE1	1:C:704:LEU:HD21	0.50	2.06	3	1
1:A:856:LEU:HD12	1:A:856:LEU:O	0.50	2.06	6	1
1:C:778:VAL:O	1:C:782:VAL:HG23	0.50	2.07	10	1
1:C:828:ARG:O	1:C:832:VAL:HG23	0.50	2.05	3	14
1:C:695:LEU:O	1:C:698:VAL:HG12	0.50	2.05	4	4
1:A:746:ILE:CG1	1:C:781:ILE:HG23	0.50	2.37	11	1
1:A:746:ILE:HG21	1:C:781:ILE:HG13	0.50	1.81	3	1
1:A:772:ARG:O	1:A:775:LEU:HD22	0.50	2.05	3	5
1:A:768:TYR:CZ	1:C:803:TRP:CZ3	0.50	2.98	8	1
1:C:815:LEU:HB3	1:C:830:ILE:HD11	0.50	1.84	8	3
1:A:820:ILE:HD11	1:A:827:ASP:HA	0.50	1.83	14	1
1:B:756:ILE:HD13	1:B:756:ILE:C	0.50	2.26	3	2
1:B:799:LEU:O	1:B:803:TRP:CE3	0.50	2.65	8	4
1:B:797:TRP:NE1	1:B:847:ILE:HD13	0.50	2.21	9	2
1:A:800:LEU:HD22	1:A:803:TRP:HZ3	0.50	1.65	14	3
1:C:830:ILE:HG23	1:C:831:GLU:CD	0.50	2.27	1	1
1:A:755:LEU:HD12	1:B:715:LEU:CD1	0.50	2.37	3	1
1:B:806:GLU:HB3	1:C:771:LEU:HD21	0.50	1.84	7	3
1:C:847:ILE:H	1:C:847:ILE:HD13	0.50	1.66	13	5
1:C:756:ILE:CD1	1:C:760:LEU:HD12	0.50	2.37	7	1
1:A:797:TRP:CG	1:A:847:ILE:HD11	0.50	2.42	9	1
1:C:795:TYR:CZ	1:C:796:TRP:NE1	0.50	2.79	14	2
1:A:693:ILE:HD12	1:A:693:ILE:O	0.50	2.06	8	1
1:C:761:ARG:O	1:C:765:LEU:HD12	0.50	2.07	8	1
1:A:753:LEU:HD22	1:C:791:GLU:OE2	0.50	2.07	12	1
1:A:763:LEU:HD13	1:A:763:LEU:H	0.50	1.67	14	1
1:B:795:TYR:CG	1:C:756:ILE:HB	0.50	2.42	14	1

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:713:SER:O	1:A:714:PRO:C	0.49	2.51	2	7
1:C:771:LEU:HD23	1:C:772:ARG:HD3	0.49	1.83	2	2
1:B:693:ILE:HD11	1:C:696:ARG:CD	0.49	2.37	4	3
1:A:696:ARG:NE	1:C:693:ILE:HD11	0.49	2.21	15	5
1:B:795:TYR:O	1:C:756:ILE:HD12	0.49	2.06	9	1
1:A:747:ARG:CZ	1:A:750:ASN:CG	0.49	2.80	10	1
1:C:781:ILE:HG22	1:C:785:LEU:HD22	0.49	1.84	13	1
1:A:756:ILE:CD1	1:C:799:LEU:HD13	0.49	2.37	1	1
1:B:758:ASP:HB3	1:C:715:LEU:HD13	0.49	1.83	5	1
1:B:759:ASP:O	1:B:763:LEU:HD22	0.49	2.06	10	1
1:C:763:LEU:HD23	1:C:763:LEU:C	0.49	2.27	9	8
1:A:792:ALA:HA	1:A:795:TYR:CE1	0.49	2.42	7	1
1:A:800:LEU:C	1:A:800:LEU:HD13	0.49	2.28	8	1
1:A:693:ILE:HD13	1:B:696:ARG:CZ	0.49	2.37	11	1
1:B:704:LEU:HD13	1:B:707:ARG:CZ	0.49	2.37	8	1
1:A:755:LEU:HD12	1:B:715:LEU:HD13	0.49	1.84	3	1
1:B:693:ILE:C	1:B:693:ILE:HD13	0.49	2.28	5	3
1:A:775:LEU:O	1:A:778:VAL:HG12	0.49	2.07	8	1
1:B:771:LEU:HD22	1:B:771:LEU:C	0.49	2.28	8	2
1:B:746:ILE:O	1:B:749:VAL:HG12	0.49	2.07	13	1
1:C:760:LEU:HD23	1:C:761:ARG:N	0.49	2.22	1	1
1:B:705:VAL:HG13	1:B:745:SER:HB3	0.49	1.85	2	1
1:A:799:LEU:CD1	1:B:756:ILE:HG21	0.49	2.37	4	2
1:C:808:LYS:O	1:C:812:VAL:HG12	0.49	2.07	13	10
1:A:695:LEU:HD22	1:A:696:ARG:HH22	0.49	1.68	12	1
1:A:756:ILE:HG21	1:C:795:TYR:CD2	0.49	2.42	8	1
1:A:768:TYR:CD2	1:A:771:LEU:HD11	0.49	2.43	11	1
1:B:693:ILE:C	1:B:693:ILE:HD12	0.49	2.28	11	1
1:B:826:THR:O	1:B:829:VAL:HG12	0.49	2.08	14	2
1:C:790:TRP:C	1:C:792:ALA:N	0.49	2.66	9	13
1:A:704:LEU:HD13	1:A:707:ARG:NH2	0.48	2.23	7	1
1:A:799:LEU:HG	1:A:803:TRP:CZ2	0.48	2.43	7	1
1:B:781:ILE:HD13	1:C:743:ASP:O	0.48	2.07	9	1
1:A:693:ILE:HD13	1:B:696:ARG:CG	0.48	2.38	12	1
1:B:781:ILE:HD12	1:B:782:VAL:HG23	0.48	1.85	15	1
1:A:753:LEU:HD13	1:C:791:GLU:CB	0.48	2.38	13	1
1:C:744:ARG:NH2	1:C:745:SER:HA	0.48	2.23	14	1
1:C:792:ALA:O	1:C:795:TYR:CD1	0.48	2.66	6	5
1:A:705:VAL:HG13	1:A:748:LEU:HD23	0.48	1.84	7	1
1:B:795:TYR:CE2	1:B:796:TRP:CD1	0.48	3.01	9	6
1:C:753:LEU:O	1:C:753:LEU:HD12	0.48	2.09	14	3

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:695:LEU:HD22	1:C:696:ARG:NH2	0.48	2.22	4	1
1:C:819:ALA:O	1:C:826:THR:HG21	0.48	2.09	6	2
1:A:747:ARG:NE	1:A:750:ASN:ND2	0.48	2.62	10	1
1:C:713:SER:O	1:C:714:PRO:O	0.48	2.30	1	2
1:A:692:LEU:HD13	1:A:693:ILE:H	0.48	1.68	10	2
1:B:792:ALA:HA	1:B:795:TYR:CZ	0.48	2.43	12	1
1:A:793:LEU:CG	1:A:847:ILE:HD11	0.48	2.39	11	1
1:A:704:LEU:HD21	1:B:707:ARG:CG	0.48	2.39	12	1
1:A:704:LEU:CD2	1:B:707:ARG:HG2	0.48	2.39	12	1
1:B:705:VAL:CG2	1:B:748:LEU:HD13	0.48	2.38	1	1
1:A:781:ILE:HD12	1:B:746:ILE:CG1	0.48	2.38	13	2
1:C:748:LEU:HD13	1:C:748:LEU:C	0.48	2.29	6	3
1:C:843:ILE:HG23	1:C:843:ILE:O	0.48	2.08	9	3
1:A:799:LEU:HD11	1:B:756:ILE:CG2	0.48	2.39	4	1
1:A:771:LEU:H	1:A:771:LEU:HD22	0.48	1.68	11	1
1:A:753:LEU:HD12	1:A:754:ALA:N	0.48	2.24	10	5
1:C:756:ILE:HG23	1:C:757:TRP:N	0.48	2.23	14	4
1:A:746:ILE:HG12	1:C:781:ILE:HG23	0.48	1.85	11	1
1:A:768:TYR:CZ	1:C:803:TRP:CE3	0.48	3.01	13	1
1:B:819:ALA:HB1	1:B:826:THR:CB	0.47	2.39	15	5
1:A:756:ILE:HG23	1:C:795:TYR:HD1	0.47	1.68	5	1
1:C:704:LEU:O	1:C:708:VAL:HG23	0.47	2.09	7	1
1:A:799:LEU:HD21	1:B:760:LEU:HD12	0.47	1.86	11	1
1:B:799:LEU:HD13	1:B:799:LEU:C	0.47	2.29	14	1
1:C:774:LEU:HA	1:C:777:ILE:HG23	0.47	1.85	2	1
1:B:774:LEU:C	1:B:774:LEU:HD13	0.47	2.30	9	5
1:A:695:LEU:HD22	1:A:696:ARG:NH2	0.47	2.23	8	3
1:B:768:TYR:CD1	1:B:771:LEU:HD11	0.47	2.44	13	1
1:A:704:LEU:HD21	1:B:707:ARG:HG3	0.47	1.84	3	1
1:C:761:ARG:CZ	1:C:762:SER:HB2	0.47	2.39	4	1
1:C:704:LEU:C	1:C:704:LEU:HD13	0.47	2.28	12	1
1:C:792:ALA:HA	1:C:795:TYR:CE2	0.47	2.44	13	1
1:A:705:VAL:HG22	1:A:748:LEU:HD22	0.47	1.86	2	1
1:B:756:ILE:O	1:B:760:LEU:HB2	0.47	2.09	9	1
1:A:704:LEU:HD21	1:B:707:ARG:CD	0.47	2.40	12	1
1:C:765:LEU:CD1	1:C:774:LEU:HD21	0.47	2.40	12	1
1:B:781:ILE:HG22	1:C:746:ILE:HG21	0.47	1.86	14	1
1:A:756:ILE:HG22	1:C:799:LEU:HD12	0.47	1.85	11	2
1:B:774:LEU:HD23	1:B:774:LEU:O	0.47	2.09	13	1
1:A:771:LEU:HD13	1:A:771:LEU:N	0.47	2.25	11	5
1:B:708:VAL:HG21	1:C:714:PRO:HD3	0.47	1.86	12	1

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:714:PRO:HB3	1:C:748:LEU:HD22	0.47	1.85	13	1
1:A:843:ILE:HD13	1:A:843:ILE:N	0.47	2.25	5	12
1:B:815:LEU:CB	1:B:830:ILE:HD11	0.47	2.40	14	2
1:A:771:LEU:HD22	1:A:771:LEU:N	0.47	2.24	15	8
1:C:764:SER:HB3	1:C:771:LEU:HD12	0.47	1.85	10	2
1:A:799:LEU:HD23	1:A:800:LEU:N	0.47	2.24	10	1
1:A:692:LEU:HD23	1:A:696:ARG:NE	0.47	2.23	13	1
1:C:710:GLN:O	1:C:710:GLN:HG3	0.47	2.10	13	1
1:C:713:SER:O	1:C:714:PRO:C	0.47	2.53	15	9
1:B:828:ARG:O	1:B:832:VAL:HG22	0.47	2.08	4	1
1:C:756:ILE:HD13	1:C:756:ILE:C	0.47	2.30	5	1
1:A:739:GLU:O	1:C:761:ARG:NE	0.47	2.48	13	1
1:B:806:GLU:CB	1:C:771:LEU:HD21	0.47	2.39	1	1
1:B:765:LEU:HD23	1:B:766:PHE:N	0.47	2.24	14	1
1:A:693:ILE:HD11	1:B:696:ARG:NE	0.47	2.24	8	1
1:C:756:ILE:O	1:C:760:LEU:HB2	0.47	2.09	8	1
1:C:850:GLY:O	1:C:854:ILE:HG22	0.46	2.09	4	3
1:A:696:ARG:O	1:A:699:PHE:HB2	0.46	2.11	11	2
1:C:704:LEU:HD22	1:C:707:ARG:CZ	0.46	2.41	6	1
1:C:792:ALA:HA	1:C:795:TYR:CE1	0.46	2.46	8	1
1:A:693:ILE:HD13	1:B:696:ARG:HG3	0.46	1.86	12	1
1:C:771:LEU:HD23	1:C:772:ARG:H	0.46	1.71	14	1
1:A:706:ASN:OD1	1:A:706:ASN:C	0.46	2.53	8	2
1:C:830:ILE:HD13	1:C:830:ILE:C	0.46	2.31	14	2
1:A:706:ASN:O	1:A:710:GLN:N	0.46	2.48	3	2
1:B:803:TRP:CH2	1:C:760:LEU:HD11	0.46	2.45	6	1
1:B:744:ARG:O	1:B:747:ARG:HB2	0.46	2.10	9	1
1:A:692:LEU:HD12	1:A:693:ILE:H	0.46	1.69	11	1
1:A:799:LEU:HD11	1:B:756:ILE:CG1	0.46	2.41	3	1
1:B:768:TYR:CE1	1:B:771:LEU:HD12	0.46	2.46	4	1
1:B:792:ALA:O	1:B:795:TYR:CD1	0.46	2.68	7	5
1:C:771:LEU:HD13	1:C:771:LEU:N	0.46	2.24	4	4
1:A:715:LEU:O	1:A:715:LEU:HD23	0.46	2.09	7	1
1:A:714:PRO:HA	1:C:704:LEU:HD12	0.46	1.88	10	1
1:C:774:LEU:CD1	1:C:777:ILE:HD11	0.46	2.40	13	1
1:A:756:ILE:HD12	1:C:799:LEU:HD13	0.46	1.86	1	1
1:A:790:TRP:C	1:A:792:ALA:N	0.46	2.67	7	6
1:C:777:ILE:HD13	1:C:777:ILE:C	0.46	2.31	2	1
1:B:790:TRP:C	1:B:792:ALA:N	0.46	2.68	11	14
1:B:795:TYR:CD1	1:C:753:LEU:HA	0.46	2.46	15	2
1:B:808:LYS:O	1:B:812:VAL:HG23	0.46	2.11	4	5

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:803:TRP:CZ2	1:C:763:LEU:HD22	0.46	2.45	4	1
1:A:746:ILE:O	1:A:749:VAL:HG23	0.46	2.10	10	1
1:A:758:ASP:HB3	1:B:715:LEU:HD21	0.46	1.87	3	1
1:B:799:LEU:HD13	1:B:800:LEU:HD22	0.46	1.85	3	1
1:B:830:ILE:HD13	1:B:830:ILE:C	0.46	2.31	3	3
1:A:706:ASN:OD1	1:A:707:ARG:N	0.46	2.48	7	4
1:A:819:ALA:HB1	1:A:826:THR:OG1	0.46	2.11	7	1
1:B:778:VAL:HG22	1:C:742:ARG:NH1	0.46	2.26	11	1
1:A:785:LEU:HD13	1:B:750:ASN:ND2	0.46	2.26	13	1
1:C:799:LEU:HG	1:C:803:TRP:CZ2	0.46	2.45	1	1
1:C:795:TYR:CE2	1:C:796:TRP:CD1	0.46	3.04	3	3
1:A:794:LYS:HE2	1:B:753:LEU:HD13	0.46	1.88	4	1
1:A:765:LEU:HD11	1:A:777:ILE:HD11	0.46	1.88	10	1
1:C:820:ILE:HD13	1:C:826:THR:OG1	0.46	2.10	6	1
1:C:791:GLU:O	1:C:795:TYR:CD1	0.46	2.69	7	2
1:B:793:LEU:HD22	1:B:797:TRP:CE2	0.46	2.46	12	1
1:B:799:LEU:HD13	1:B:800:LEU:H	0.46	1.70	12	1
1:A:774:LEU:HD13	1:A:774:LEU:C	0.46	2.30	13	1
1:B:713:SER:O	1:B:714:PRO:C	0.46	2.54	12	6
1:A:785:LEU:HD23	1:B:749:VAL:HB	0.46	1.87	2	2
1:C:768:TYR:C	1:C:770:ARG:H	0.46	2.14	2	1
1:A:775:LEU:HD23	1:A:776:LEU:H	0.46	1.71	3	2
1:B:774:LEU:HD11	1:C:742:ARG:NH2	0.46	2.26	9	1
1:A:756:ILE:HG22	1:C:799:LEU:HB2	0.45	1.87	5	1
1:A:812:VAL:HG21	1:A:834:GLN:HG3	0.45	1.87	10	1
1:A:816:ASN:N	1:A:830:ILE:HD11	0.45	2.26	10	1
1:B:692:LEU:O	1:B:695:LEU:CB	0.45	2.64	11	1
1:A:704:LEU:HD21	1:B:707:ARG:HB3	0.45	1.87	4	1
1:C:855:LEU:HD13	1:C:855:LEU:O	0.45	2.12	10	3
1:B:795:TYR:CZ	1:B:796:TRP:NE1	0.45	2.84	10	1
1:B:795:TYR:C	1:B:795:TYR:CD2	0.45	2.89	14	1
1:A:791:GLU:OE2	1:B:753:LEU:HD22	0.45	2.11	1	1
1:C:835:GLY:O	1:C:839:ALA:HB3	0.45	2.11	15	4
1:C:758:ASP:O	1:C:761:ARG:NE	0.45	2.50	8	1
1:A:715:LEU:O	1:A:716:SER:C	0.45	2.55	9	1
1:A:768:TYR:CE1	1:C:803:TRP:HA	0.45	2.47	13	1
1:B:690:GLY:O	1:B:693:ILE:HG23	0.45	2.11	11	2
1:A:760:LEU:HD23	1:A:760:LEU:C	0.45	2.32	12	3
1:A:799:LEU:HD11	1:B:756:ILE:HG12	0.45	1.87	3	1
1:A:755:LEU:HD13	1:B:715:LEU:HD21	0.45	1.87	4	1
1:B:705:VAL:HG21	1:B:748:LEU:CD2	0.45	2.41	8	1

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:774:LEU:HD21	1:C:742:ARG:NH2	0.45	2.26	9	1
1:A:785:LEU:HD13	1:B:750:ASN:OD1	0.45	2.11	13	1
1:A:781:ILE:HG12	1:B:746:ILE:HG21	0.45	1.88	7	1
1:B:843:ILE:HD12	1:B:843:ILE:N	0.45	2.26	15	1
1:C:753:LEU:C	1:C:753:LEU:HD12	0.45	2.31	1	2
1:A:802:TYR:CE2	1:B:768:TYR:CZ	0.45	3.05	2	1
1:A:698:VAL:O	1:A:701:VAL:HB	0.45	2.12	7	5
1:A:854:ILE:HG22	1:A:854:ILE:O	0.45	2.12	3	6
1:B:707:ARG:HD3	1:C:712:TYR:CZ	0.45	2.46	3	1
1:A:799:LEU:HD21	1:A:803:TRP:CH2	0.45	2.47	10	1
1:A:820:ILE:HD11	1:A:827:ASP:CB	0.45	2.42	14	1
1:B:799:LEU:HD21	1:C:760:LEU:CD1	0.45	2.42	2	1
1:A:745:SER:HA	1:A:748:LEU:HD22	0.45	1.86	5	1
1:A:744:ARG:O	1:A:748:LEU:HD23	0.45	2.12	9	1
1:A:774:LEU:CD2	1:A:777:ILE:HD11	0.45	2.42	14	1
1:B:707:ARG:NH1	1:C:712:TYR:CD1	0.45	2.85	15	1
1:C:750:ASN:ND2	1:C:750:ASN:H	0.45	2.10	15	1
1:A:785:LEU:HD21	1:B:750:ASN:ND2	0.45	2.27	7	2
1:B:832:VAL:O	1:B:836:ALA:HB2	0.45	2.12	3	6
1:A:770:ARG:O	1:A:774:LEU:N	0.45	2.49	9	2
1:C:704:LEU:HD22	1:C:707:ARG:NH1	0.45	2.27	10	1
1:A:812:VAL:HG13	1:A:816:ASN:ND2	0.45	2.27	13	1
1:B:768:TYR:CG	1:B:769:HIS:N	0.44	2.85	4	1
1:A:768:TYR:CE2	1:C:803:TRP:CE2	0.44	3.05	7	1
1:C:790:TRP:HA	1:C:790:TRP:CE3	0.44	2.47	7	2
1:A:785:LEU:HD22	1:B:749:VAL:HG13	0.44	1.87	13	1
1:A:705:VAL:HG22	1:A:748:LEU:HD23	0.44	1.88	1	1
1:A:814:LEU:O	1:A:818:THR:HG22	0.44	2.12	1	1
1:B:803:TRP:O	1:B:806:GLU:HG2	0.44	2.12	1	2
1:A:829:VAL:O	1:A:833:VAL:HG23	0.44	2.13	3	4
1:A:795:TYR:CD2	1:B:753:LEU:HA	0.44	2.47	7	1
1:A:756:ILE:O	1:A:760:LEU:HB2	0.44	2.11	7	2
1:B:812:VAL:HG12	1:B:816:ASN:ND2	0.44	2.27	3	1
1:C:795:TYR:CE1	1:C:796:TRP:CD1	0.44	3.05	5	3
1:B:712:TYR:CZ	1:C:712:TYR:OH	0.44	2.71	6	1
1:B:707:ARG:CZ	1:C:712:TYR:CE1	0.44	3.01	15	1
1:C:803:TRP:CE3	1:C:803:TRP:N	0.44	2.86	15	7
1:C:695:LEU:O	1:C:695:LEU:HD23	0.44	2.12	6	1
1:C:697:ILE:HD13	1:C:697:ILE:C	0.44	2.33	7	1
1:C:758:ASP:O	1:C:761:ARG:CZ	0.44	2.65	7	2
1:A:695:LEU:C	1:A:695:LEU:HD23	0.44	2.33	9	1

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:692:LEU:O	1:B:696:ARG:NH1	0.44	2.51	11	1
1:A:768:TYR:CE2	1:C:803:TRP:CE3	0.44	3.06	13	1
1:A:835:GLY:O	1:A:839:ALA:HB3	0.44	2.12	6	2
1:A:854:ILE:O	1:A:854:ILE:HD13	0.44	2.13	1	1
1:C:771:LEU:H	1:C:771:LEU:HD22	0.44	1.72	6	2
1:B:847:ILE:HG23	1:B:848:ARG:N	0.44	2.28	15	4
1:B:808:LYS:O	1:B:812:VAL:HG12	0.44	2.13	10	1
1:C:774:LEU:HD13	1:C:777:ILE:CD1	0.44	2.43	13	1
1:C:795:TYR:CZ	1:C:796:TRP:CE2	0.44	3.05	14	1
1:B:828:ARG:O	1:B:832:VAL:HG23	0.44	2.12	15	1
1:B:771:LEU:N	1:B:771:LEU:HD22	0.44	2.28	1	4
1:A:715:LEU:O	1:C:754:ALA:HB1	0.44	2.13	2	1
1:B:790:TRP:CE3	1:B:790:TRP:HA	0.44	2.48	15	7
1:B:705:VAL:HG21	1:B:748:LEU:HD12	0.44	1.88	6	1
1:B:795:TYR:CD2	1:C:756:ILE:HB	0.44	2.47	1	1
1:B:793:LEU:O	1:B:797:TRP:CD1	0.44	2.71	8	4
1:C:744:ARG:CZ	1:C:747:ARG:HB2	0.44	2.42	5	1
1:A:763:LEU:H	1:A:763:LEU:HD13	0.44	1.73	9	1
1:A:756:ILE:HD13	1:C:795:TYR:O	0.44	2.13	10	1
1:C:777:ILE:HD12	1:C:781:ILE:HD13	0.44	1.90	15	1
1:B:695:LEU:O	1:B:698:VAL:HG12	0.44	2.13	7	2
1:A:768:TYR:CD1	1:C:803:TRP:HA	0.44	2.48	10	1
1:C:690:GLY:O	1:C:693:ILE:HG23	0.44	2.13	11	2
1:C:758:ASP:O	1:C:761:ARG:HD2	0.44	2.13	11	1
1:B:794:LYS:NZ	1:C:753:LEU:HD13	0.44	2.28	15	1
1:C:794:LYS:HD3	1:C:795:TYR:N	0.43	2.28	1	2
1:B:836:ALA:O	1:B:840:ILE:HG22	0.43	2.13	3	2
1:B:822:VAL:O	1:B:822:VAL:HG13	0.43	2.13	4	1
1:B:828:ARG:O	1:B:832:VAL:HG12	0.43	2.13	5	5
1:B:799:LEU:O	1:B:803:TRP:CD2	0.43	2.71	7	1
1:B:747:ARG:O	1:B:751:GLY:N	0.43	2.51	9	1
1:A:756:ILE:HD13	1:C:795:TYR:OH	0.43	2.12	13	1
1:B:820:ILE:HD12	1:B:820:ILE:N	0.43	2.28	14	2
1:A:768:TYR:CZ	1:A:771:LEU:HD11	0.43	2.48	9	1
1:C:764:SER:C	1:C:774:LEU:HD11	0.43	2.33	11	1
1:B:763:LEU:O	1:B:774:LEU:HD22	0.43	2.13	15	1
1:B:741:ASP:O	1:B:744:ARG:N	0.43	2.50	12	4
1:B:819:ALA:HB1	1:B:827:ASP:N	0.43	2.27	11	1
1:B:795:TYR:CE2	1:C:756:ILE:HD13	0.43	2.48	12	1
1:B:799:LEU:CB	1:C:760:LEU:HD11	0.43	2.42	12	1
1:A:749:VAL:CG2	1:C:785:LEU:HD11	0.43	2.44	14	1

*Continued on next page...*

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:758:ASP:N	1:A:758:ASP:OD1	0.43	2.51	6	1
1:C:774:LEU:O	1:C:778:VAL:HG23	0.43	2.13	6	1
1:B:704:LEU:HD21	1:C:707:ARG:HA	0.43	1.90	7	1
1:A:693:ILE:HD13	1:B:696:ARG:HH11	0.43	1.69	11	1
1:B:692:LEU:O	1:B:696:ARG:NH2	0.43	2.51	5	1
1:A:790:TRP:CE3	1:A:790:TRP:HA	0.43	2.49	7	1
1:B:799:LEU:HD23	1:C:756:ILE:HG12	0.43	1.91	7	1
1:A:800:LEU:HD13	1:A:800:LEU:O	0.43	2.13	8	1
1:A:768:TYR:CE1	1:A:771:LEU:CD2	0.43	3.01	10	1
1:A:748:LEU:HD12	1:A:748:LEU:O	0.43	2.13	13	1
1:A:713:SER:OG	1:C:708:VAL:HG22	0.43	2.12	14	1
1:B:693:ILE:HD12	1:C:696:ARG:HE	0.43	1.72	15	1
1:A:705:VAL:HG22	1:A:748:LEU:CD2	0.43	2.44	1	1
1:B:795:TYR:CE2	1:B:796:TRP:NE1	0.43	2.86	1	1
1:B:781:ILE:HG12	1:B:785:LEU:HD13	0.43	1.90	2	1
1:A:799:LEU:HD13	1:B:756:ILE:HG21	0.43	1.91	5	1
1:A:747:ARG:CZ	1:C:785:LEU:HB3	0.43	2.43	10	1
1:A:693:ILE:HD13	1:B:696:ARG:CD	0.43	2.43	15	1
1:A:712:TYR:HH	1:C:712:TYR:HD2	0.43	1.54	2	1
1:A:771:LEU:HD23	1:A:772:ARG:HD3	0.43	1.89	2	1
1:B:792:ALA:HA	1:B:795:TYR:CE1	0.43	2.48	3	1
1:A:753:LEU:C	1:A:753:LEU:HD12	0.43	2.34	13	1
1:C:774:LEU:HD13	1:C:777:ILE:HD11	0.43	1.90	13	1
1:A:756:ILE:HD11	1:C:795:TYR:HB2	0.43	1.90	1	1
1:C:815:LEU:HD23	1:C:830:ILE:HD11	0.43	1.89	1	1
1:A:693:ILE:HD13	1:B:693:ILE:CG1	0.43	2.44	2	1
1:B:710:GLN:O	1:B:715:LEU:HD11	0.43	2.14	2	1
1:B:781:ILE:CG1	1:B:785:LEU:HD13	0.43	2.44	2	1
1:C:833:VAL:HG23	1:C:834:GLN:N	0.43	2.29	10	5
1:A:692:LEU:HD23	1:A:696:ARG:HH11	0.43	1.74	10	1
1:A:693:ILE:HB	1:B:696:ARG:CZ	0.43	2.44	11	1
1:A:768:TYR:O	1:A:771:LEU:HG	0.43	2.14	1	1
1:A:795:TYR:CB	1:B:756:ILE:HG21	0.43	2.44	3	1
1:B:799:LEU:HB2	1:C:756:ILE:HD11	0.43	1.89	3	1
1:A:807:LEU:HD22	1:B:772:ARG:NH1	0.43	2.28	6	1
1:A:771:LEU:CD1	1:A:771:LEU:H	0.43	2.26	8	1
1:B:796:TRP:HA	1:B:799:LEU:HD12	0.43	1.91	12	1
1:A:746:ILE:CG2	1:C:781:ILE:HG23	0.42	2.41	1	1
1:A:802:TYR:CZ	1:B:760:LEU:HD11	0.42	2.49	1	2
1:C:771:LEU:N	1:C:771:LEU:HD13	0.42	2.29	7	2
1:C:820:ILE:N	1:C:820:ILE:HD12	0.42	2.28	12	2

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:693:ILE:C	1:A:693:ILE:HD12	0.42	2.34	10	1
1:B:753:LEU:C	1:B:753:LEU:HD12	0.42	2.33	14	1
1:A:756:ILE:HD13	1:C:796:TRP:CD1	0.42	2.49	1	1
1:C:829:VAL:O	1:C:833:VAL:HG12	0.42	2.14	1	1
1:B:763:LEU:O	1:B:774:LEU:HD12	0.42	2.14	9	1
1:B:771:LEU:O	1:B:774:LEU:HG	0.42	2.14	10	1
1:A:757:TRP:CD1	1:A:758:ASP:N	0.42	2.87	14	1
1:B:815:LEU:HB2	1:B:830:ILE:HD11	0.42	1.91	14	1
1:B:781:ILE:HD12	1:B:782:VAL:H	0.42	1.70	15	1
1:C:795:TYR:HD2	1:C:796:TRP:N	0.42	2.12	1	1
1:A:802:TYR:CE1	1:B:760:LEU:HD11	0.42	2.50	2	1
1:A:771:LEU:HD13	1:A:771:LEU:H	0.42	1.73	6	1
1:A:808:LYS:HZ3	1:A:838:ARG:N	0.42	2.11	6	1
1:B:763:LEU:HD23	1:B:764:SER:N	0.42	2.27	10	3
1:A:748:LEU:O	1:B:716:SER:CB	0.42	2.68	9	1
1:A:793:LEU:HD13	1:A:793:LEU:O	0.42	2.14	2	1
1:A:742:ARG:O	1:A:746:ILE:HD12	0.42	2.15	6	1
1:A:750:ASN:N	1:C:785:LEU:HD21	0.42	2.29	6	1
1:A:795:TYR:CD2	1:B:756:ILE:CG2	0.42	3.00	8	1
1:A:709:ARG:CZ	1:A:709:ARG:HA	0.42	2.45	9	1
1:C:771:LEU:HD23	1:C:772:ARG:CD	0.42	2.45	2	1
1:B:781:ILE:HD13	1:C:746:ILE:CG2	0.42	2.43	15	1
1:C:822:VAL:HG13	1:C:823:GLY:N	0.42	2.30	11	5
1:C:816:ASN:O	1:C:820:ILE:HD13	0.42	2.15	5	1
1:B:769:HIS:H	1:B:771:LEU:HD12	0.42	1.75	12	1
1:A:765:LEU:HD12	1:A:765:LEU:N	0.42	2.30	1	1
1:A:815:LEU:O	1:A:819:ALA:HB2	0.42	2.15	1	1
1:B:760:LEU:HD23	1:B:760:LEU:O	0.42	2.14	1	2
1:A:800:LEU:HA	1:A:803:TRP:CE3	0.42	2.49	6	2
1:A:758:ASP:CB	1:B:715:LEU:HD21	0.42	2.45	3	1
1:A:710:GLN:O	1:A:715:LEU:HD12	0.42	2.15	5	1
1:B:695:LEU:HD23	1:B:695:LEU:C	0.42	2.35	3	3
1:A:771:LEU:CD1	1:A:772:ARG:N	0.42	2.82	7	1
1:B:830:ILE:HG23	1:B:831:GLU:N	0.42	2.30	8	2
1:A:815:LEU:CB	1:A:830:ILE:HD13	0.42	2.45	12	1
1:B:763:LEU:C	1:B:763:LEU:HD23	0.42	2.35	9	2
1:B:771:LEU:HD13	1:B:771:LEU:N	0.42	2.27	1	1
1:A:780:ARG:O	1:A:784:LEU:HD23	0.42	2.15	2	1
1:B:791:GLU:O	1:B:795:TYR:CD1	0.42	2.73	3	1
1:A:820:ILE:O	1:A:821:ALA:O	0.42	2.37	5	1
1:C:793:LEU:O	1:C:797:TRP:CD1	0.42	2.73	15	2

Continued on next page...

*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:793:LEU:HD23	1:B:847:ILE:HG12	0.42	1.91	10	1
1:A:774:LEU:O	1:A:777:ILE:HG13	0.42	2.15	11	2
1:C:777:ILE:HD12	1:C:777:ILE:C	0.42	2.35	13	1
1:A:714:PRO:HD2	1:C:708:VAL:HG21	0.41	1.92	3	1
1:C:744:ARG:O	1:C:747:ARG:HB2	0.41	2.15	14	2
1:A:753:LEU:HD13	1:C:791:GLU:HB3	0.41	1.91	13	1
1:C:799:LEU:O	1:C:803:TRP:CG	0.41	2.73	13	1
1:C:771:LEU:N	1:C:771:LEU:HD22	0.41	2.29	15	1
1:A:746:ILE:HG22	1:C:785:LEU:HD22	0.41	1.92	1	1
1:C:847:ILE:N	1:C:847:ILE:HD13	0.41	2.29	12	3
1:A:771:LEU:H	1:A:771:LEU:CD1	0.41	2.28	5	1
1:A:756:ILE:N	1:A:756:ILE:HD12	0.41	2.30	13	1
1:A:765:LEU:HD23	1:A:766:PHE:N	0.41	2.29	2	1
1:A:847:ILE:C	1:A:847:ILE:HD12	0.41	2.35	2	1
1:A:830:ILE:HD12	1:A:831:GLU:N	0.41	2.30	3	1
1:A:715:LEU:HD22	1:C:754:ALA:HB1	0.41	1.92	13	1
1:A:799:LEU:HD23	1:A:803:TRP:HZ2	0.41	1.72	15	1
1:C:742:ARG:O	1:C:746:ILE:HD13	0.41	2.15	15	1
1:C:764:SER:C	1:C:774:LEU:HD12	0.41	2.36	6	1
1:A:795:TYR:CE2	1:B:757:TRP:CD1	0.41	3.09	12	1
1:C:750:ASN:N	1:C:750:ASN:ND2	0.41	2.68	14	1
1:B:803:TRP:O	1:B:806:GLU:HG3	0.41	2.15	15	1
1:B:744:ARG:O	1:B:747:ARG:HB3	0.41	2.16	5	1
1:C:774:LEU:O	1:C:777:ILE:CG1	0.41	2.69	8	1
1:A:743:ASP:HA	1:A:746:ILE:HD12	0.41	1.91	9	1
1:A:775:LEU:HD23	1:A:775:LEU:C	0.41	2.36	9	1
1:C:703:SER:O	1:C:707:ARG:HD2	0.41	2.16	9	1
1:C:790:TRP:C	1:C:792:ALA:H	0.41	2.18	9	1
1:C:707:ARG:HA	1:C:712:TYR:CD2	0.41	2.50	15	1
1:A:793:LEU:HD21	1:A:847:ILE:HD11	0.41	1.91	4	1
1:C:746:ILE:HD12	1:C:746:ILE:N	0.41	2.31	9	1
1:A:696:ARG:HD2	1:A:696:ARG:N	0.41	2.31	2	1
1:C:708:VAL:HG12	1:C:741:ASP:OD2	0.41	2.16	5	1
1:B:836:ALA:O	1:B:840:ILE:HD12	0.41	2.15	12	2
1:A:696:ARG:N	1:A:696:ARG:HD3	0.41	2.29	8	1
1:A:692:LEU:HD23	1:A:696:ARG:NH1	0.41	2.31	10	1
1:B:764:SER:CB	1:B:771:LEU:HD12	0.41	2.46	13	2
1:A:768:TYR:OH	1:A:771:LEU:CD2	0.41	2.69	13	1
1:B:791:GLU:CB	1:C:753:LEU:HD22	0.41	2.43	1	1
1:B:706:ASN:O	1:B:710:GLN:N	0.41	2.54	2	1
1:A:760:LEU:HA	1:A:763:LEU:HD11	0.41	1.91	7	1

*Continued on next page...*



*Continued from previous page...*

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:833:VAL:HG13	1:B:834:GLN:N	0.41	2.31	7	1
1:A:768:TYR:CZ	1:C:803:TRP:CD2	0.41	3.08	13	1
1:B:763:LEU:HA	1:B:774:LEU:HD22	0.41	1.92	15	1
1:C:790:TRP:O	1:C:792:ALA:N	0.41	2.53	7	3
1:B:756:ILE:HD11	1:B:760:LEU:HD13	0.41	1.92	3	1
1:B:818:THR:O	1:B:821:ALA:HB3	0.41	2.15	4	1
1:B:744:ARG:NH2	1:C:716:SER:OG	0.41	2.53	6	1
1:B:795:TYR:CD2	1:B:796:TRP:CD1	0.41	3.09	6	1
1:B:803:TRP:HH2	1:C:760:LEU:HD11	0.41	1.75	6	1
1:A:704:LEU:HD13	1:B:707:ARG:HG3	0.41	1.93	9	1
1:C:856:LEU:C	1:C:856:LEU:HD12	0.41	2.36	10	2
1:B:830:ILE:CG2	1:B:831:GLU:N	0.41	2.83	11	1
1:A:766:PHE:O	1:A:767:SER:CB	0.41	2.69	13	1
1:A:776:LEU:O	1:A:779:THR:HG22	0.41	2.16	14	1
1:C:830:ILE:HG23	1:C:831:GLU:N	0.41	2.30	5	3
1:A:756:ILE:HB	1:C:795:TYR:HB2	0.41	1.92	6	1
1:C:781:ILE:HD13	1:C:785:LEU:HD13	0.41	1.90	8	1
1:C:764:SER:O	1:C:765:LEU:CB	0.41	2.69	9	1
1:A:693:ILE:HD13	1:B:693:ILE:HG12	0.41	1.93	10	1
1:B:755:LEU:HD23	1:B:755:LEU:O	0.41	2.16	14	1
1:A:802:TYR:CZ	1:B:768:TYR:OH	0.40	2.74	1	1
1:A:765:LEU:O	1:A:766:PHE:O	0.40	2.39	10	1
1:C:847:ILE:HD13	1:C:847:ILE:H	0.40	1.76	2	1
1:A:753:LEU:O	1:A:756:ILE:HG22	0.40	2.17	3	1
1:A:806:GLU:CB	1:B:768:TYR:OH	0.40	2.70	4	1
1:B:813:SER:O	1:B:817:ALA:HB2	0.40	2.16	4	1
1:A:776:LEU:O	1:A:776:LEU:HD23	0.40	2.17	5	1
1:C:843:ILE:HD12	1:C:844:PRO:O	0.40	2.16	6	1
1:A:704:LEU:HD13	1:B:707:ARG:CG	0.40	2.46	9	1
1:A:795:TYR:CD2	1:A:795:TYR:C	0.40	2.95	10	1
1:B:704:LEU:HD22	1:B:704:LEU:N	0.40	2.32	10	1
1:C:820:ILE:HD12	1:C:827:ASP:HB2	0.40	1.93	10	1
1:A:774:LEU:HD23	1:A:774:LEU:C	0.40	2.37	11	1
1:C:855:LEU:O	1:C:855:LEU:HD13	0.40	2.16	11	1
1:C:795:TYR:CD1	1:C:796:TRP:CD1	0.40	3.09	12	1
1:A:781:ILE:HD12	1:B:746:ILE:CD1	0.40	2.46	13	1
1:C:856:LEU:HD12	1:C:856:LEU:C	0.40	2.36	13	1
1:A:795:TYR:CD1	1:A:796:TRP:CD1	0.40	3.09	1	1
1:C:833:VAL:HG13	1:C:834:GLN:N	0.40	2.31	1	1
1:C:832:VAL:O	1:C:836:ALA:HB2	0.40	2.16	2	1
1:B:814:LEU:HD23	1:B:814:LEU:C	0.40	2.37	3	1

*Continued on next page...*

Continued from previous page...

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:816:ASN:CB	1:A:830:ILE:HD11	0.40	2.46	8	1
1:A:781:ILE:O	1:A:785:LEU:HD13	0.40	2.16	10	1
1:A:762:SER:O	1:A:774:LEU:HD13	0.40	2.16	14	1
1:B:830:ILE:HD13	1:B:834:GLN:NE2	0.40	2.32	14	1
1:A:710:GLN:HG2	1:C:704:LEU:HD21	0.40	1.93	15	1
1:A:760:LEU:C	1:A:760:LEU:HD23	0.40	2.36	15	1
1:B:799:LEU:HD22	1:B:803:TRP:CH2	0.40	2.52	2	1
1:B:832:VAL:HG23	1:B:833:VAL:N	0.40	2.31	2	1
1:B:703:SER:O	1:B:707:ARG:HD2	0.40	2.16	3	1
1:C:795:TYR:CE2	1:C:796:TRP:NE1	0.40	2.90	4	1
1:A:821:ALA:O	1:A:822:VAL:CG2	0.40	2.69	5	1
1:C:807:LEU:O	1:C:807:LEU:HD13	0.40	2.16	9	1
1:A:751:GLY:O	1:A:755:LEU:N	0.40	2.53	10	1
1:A:697:ILE:HD11	1:B:696:ARG:CD	0.40	2.46	13	1
1:A:742:ARG:NH1	1:C:778:VAL:HG12	0.40	2.31	13	1
1:A:820:ILE:HD11	1:A:827:ASP:HB3	0.40	1.91	14	1
1:A:795:TYR:CD1	1:B:753:LEU:O	0.40	2.74	15	1
1:A:756:ILE:HG23	1:A:757:TRP:N	0.40	2.32	3	1
1:C:847:ILE:HD13	1:C:847:ILE:N	0.40	2.32	7	1
1:A:702:LEU:O	1:A:705:VAL:CG2	0.40	2.69	11	1
1:B:856:LEU:O	1:B:856:LEU:HD23	0.40	2.17	13	1

## 6.3 Torsion angles ⓘ

### 6.3.1 Protein backbone ⓘ

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	140/180 (78%)	128±2 (91±1%)	7±2 (5±1%)	6±2 (4±1%)	4	29
1	B	143/180 (79%)	129±2 (90±1%)	7±1 (5±1%)	7±2 (5±1%)	3	24
1	C	142/180 (79%)	129±2 (91±2%)	6±2 (4±1%)	7±1 (5±1%)	3	24
All	All	6375/8100 (79%)	5787 (91%)	291 (5%)	297 (5%)	3	26

All 53 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.



Mol	Chain	Res	Type	Models (Total)
1	B	741	ASP	15
1	C	821	ALA	15
1	B	714	PRO	14
1	B	844	PRO	14
1	C	714	PRO	12
1	A	714	PRO	11
1	A	821	ALA	11
1	A	822	VAL	10
1	B	712	TYR	10
1	C	765	LEU	10
1	C	825	GLY	10
1	C	822	VAL	10
1	C	769	HIS	9
1	A	712	TYR	8
1	A	768	TYR	8
1	C	711	GLY	8
1	A	741	ASP	7
1	B	768	TYR	7
1	B	843	ILE	7
1	A	767	SER	6
1	B	825	GLY	6
1	B	767	SER	6
1	C	741	ASP	6
1	B	765	LEU	6
1	C	846	ARG	6
1	B	824	GLU	5
1	A	715	LEU	4
1	C	712	TYR	4
1	C	844	PRO	4
1	A	825	GLY	4
1	A	765	LEU	4
1	A	824	GLU	3
1	B	769	HIS	3
1	B	766	PHE	3
1	B	823	GLY	3
1	C	768	TYR	2
1	C	845	ARG	2
1	C	824	GLU	2
1	B	845	ARG	2
1	A	823	GLY	2
1	A	711	GLY	2
1	A	844	PRO	2
1	B	822	VAL	2

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Models (Total)
1	A	766	PHE	2
1	A	845	ARG	2
1	B	846	ARG	1
1	C	767	SER	1
1	C	823	GLY	1
1	A	769	HIS	1
1	A	846	ARG	1
1	C	842	HIS	1
1	B	842	HIS	1
1	C	766	PHE	1

### 6.3.2 Protein sidechains ⓘ

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	125/157 (80%)	92±3 (73±2%)	33±3 (27±2%)	1	21
1	B	127/157 (81%)	99±4 (78±3%)	28±4 (22±3%)	2	28
1	C	126/157 (80%)	98±3 (78±2%)	28±3 (22±2%)	2	28
All	All	5670/7065 (80%)	4325 (76%)	1345 (24%)	2	26

All 288 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	794	LYS	15
1	A	843	ILE	15
1	B	693	ILE	15
1	B	771	LEU	15
1	B	794	LYS	15
1	C	771	LEU	15
1	C	794	LYS	15
1	C	803	TRP	15
1	A	744	ARG	14
1	A	763	LEU	14
1	A	771	LEU	14
1	B	803	TRP	14
1	B	838	ARG	14

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Models (Total)
1	A	692	LEU	13
1	A	775	LEU	13
1	A	799	LEU	13
1	A	855	LEU	13
1	B	830	ILE	12
1	C	838	ARG	12
1	C	855	LEU	12
1	A	797	TRP	12
1	C	761	ARG	12
1	A	772	ARG	12
1	A	800	LEU	11
1	B	834	GLN	11
1	C	772	ARG	11
1	A	697	ILE	10
1	A	761	ARG	10
1	B	757	TRP	10
1	C	764	SER	10
1	C	847	ILE	10
1	A	757	TRP	10
1	A	784	LEU	10
1	A	795	TYR	10
1	A	747	ARG	9
1	B	747	ARG	9
1	B	784	LEU	9
1	B	848	ARG	9
1	C	788	ARG	9
1	A	773	ASP	9
1	A	806	GLU	9
1	B	715	LEU	9
1	B	774	LEU	9
1	B	790	TRP	9
1	C	693	ILE	9
1	C	697	ILE	9
1	B	692	LEU	9
1	B	713	SER	9
1	A	768	TYR	8
1	A	803	TRP	8
1	B	756	ILE	8
1	B	768	TYR	8
1	B	799	LEU	8
1	C	716	SER	8
1	C	744	ARG	8

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Models (Total)
1	C	770	ARG	8
1	C	795	TYR	8
1	A	764	SER	8
1	A	856	LEU	8
1	C	826	THR	8
1	A	765	LEU	8
1	C	790	TRP	8
1	C	807	LEU	8
1	C	704	LEU	8
1	C	753	LEU	8
1	A	712	TYR	7
1	A	802	TYR	7
1	B	691	SER	7
1	B	742	ARG	7
1	B	772	ARG	7
1	C	692	LEU	7
1	C	758	ASP	7
1	C	834	GLN	7
1	B	712	TYR	7
1	B	842	HIS	7
1	B	709	ARG	7
1	A	709	ARG	6
1	A	742	ARG	6
1	A	758	ASP	6
1	A	814	LEU	6
1	A	841	ARG	6
1	B	780	ARG	6
1	C	774	LEU	6
1	A	752	SER	6
1	A	780	ARG	6
1	A	805	GLN	6
1	A	830	ILE	6
1	B	765	LEU	6
1	C	777	ILE	6
1	C	740	ARG	6
1	C	773	ASP	6
1	A	756	ILE	6
1	A	838	ARG	6
1	A	822	VAL	5
1	B	755	LEU	5
1	B	791	GLU	5
1	C	748	LEU	5

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Models (Total)
1	C	752	SER	5
1	C	755	LEU	5
1	B	739	GLU	5
1	B	745	SER	5
1	B	746	ILE	5
1	B	764	SER	5
1	A	793	LEU	5
1	B	761	ARG	5
1	B	770	ARG	5
1	B	773	ASP	5
1	C	709	ARG	5
1	C	712	TYR	5
1	C	715	LEU	5
1	A	707	ARG	5
1	A	706	ASN	5
1	C	801	GLN	5
1	A	767	SER	4
1	B	740	ARG	4
1	B	741	ASP	4
1	B	805	GLN	4
1	C	780	ARG	4
1	A	695	LEU	4
1	A	708	VAL	4
1	A	740	ARG	4
1	B	697	ILE	4
1	C	710	GLN	4
1	C	775	LEU	4
1	A	715	LEU	4
1	A	776	LEU	4
1	C	707	ARG	4
1	C	848	ARG	4
1	B	814	LEU	4
1	B	846	ARG	4
1	A	774	LEU	4
1	B	753	LEU	4
1	C	741	ASP	4
1	C	842	HIS	4
1	A	713	SER	3
1	A	716	SER	3
1	A	741	ASP	3
1	B	704	LEU	3
1	B	795	TYR	3

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Models (Total)
1	B	808	LYS	3
1	B	809	ASN	3
1	B	851	LEU	3
1	C	696	ARG	3
1	C	760	LEU	3
1	C	765	LEU	3
1	C	853	ARG	3
1	A	750	ASN	3
1	A	812	VAL	3
1	B	707	ARG	3
1	B	806	GLU	3
1	C	702	LEU	3
1	C	742	ARG	3
1	C	756	ILE	3
1	C	757	TRP	3
1	C	799	LEU	3
1	C	830	ILE	3
1	A	748	LEU	3
1	A	807	LEU	3
1	A	824	GLU	3
1	A	834	GLN	3
1	B	743	ASP	3
1	B	841	ARG	3
1	C	781	ILE	3
1	A	704	LEU	3
1	A	809	ASN	3
1	A	826	THR	3
1	B	703	SER	3
1	B	760	LEU	3
1	B	816	ASN	3
1	B	845	ARG	3
1	C	745	SER	3
1	B	716	SER	3
1	B	744	ARG	3
1	B	826	THR	3
1	C	713	SER	3
1	C	806	GLU	3
1	C	849	GLN	3
1	A	693	ILE	3
1	C	800	LEU	3
1	C	703	SER	3
1	B	696	ARG	3

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Models (Total)
1	C	766	PHE	3
1	A	703	SER	2
1	A	743	ASP	2
1	B	710	GLN	2
1	C	699	PHE	2
1	C	708	VAL	2
1	C	810	SER	2
1	C	851	LEU	2
1	A	770	ARG	2
1	B	762	SER	2
1	B	767	SER	2
1	B	793	LEU	2
1	A	755	LEU	2
1	A	816	ASN	2
1	C	747	ARG	2
1	C	816	ASN	2
1	B	849	GLN	2
1	C	691	SER	2
1	A	791	GLU	2
1	A	820	ILE	2
1	B	847	ILE	2
1	A	698	VAL	2
1	A	798	ASN	2
1	A	849	GLN	2
1	C	805	GLN	2
1	A	760	LEU	2
1	A	790	TRP	2
1	A	739	GLU	2
1	B	785	LEU	2
1	B	856	LEU	2
1	C	852	GLU	2
1	A	762	SER	2
1	A	781	ILE	2
1	A	783	GLU	2
1	B	702	LEU	2
1	C	759	ASP	2
1	B	763	LEU	2
1	B	766	PHE	2
1	A	701	VAL	2
1	A	714	PRO	2
1	B	748	LEU	2
1	C	837	SER	2

*Continued on next page...*

*Continued from previous page...*

Mol	Chain	Res	Type	Models (Total)
1	C	827	ASP	2
1	C	750	ASN	2
1	A	854	ILE	1
1	B	714	PRO	1
1	B	758	ASP	1
1	C	793	LEU	1
1	C	802	TYR	1
1	C	815	LEU	1
1	C	831	GLU	1
1	A	696	ARG	1
1	A	804	SER	1
1	A	810	SER	1
1	B	769	HIS	1
1	B	798	ASN	1
1	B	801	GLN	1
1	C	762	SER	1
1	C	769	HIS	1
1	C	783	GLU	1
1	C	791	GLU	1
1	C	840	ILE	1
1	A	766	PHE	1
1	A	777	ILE	1
1	B	800	LEU	1
1	B	804	SER	1
1	B	853	ARG	1
1	A	845	ARG	1
1	B	831	GLU	1
1	B	837	SER	1
1	C	856	LEU	1
1	A	846	ARG	1
1	C	695	LEU	1
1	C	804	SER	1
1	C	812	VAL	1
1	A	746	ILE	1
1	B	699	PHE	1
1	B	782	VAL	1
1	C	813	SER	1
1	C	798	ASN	1
1	B	779	THR	1
1	B	797	TRP	1
1	C	698	VAL	1
1	C	787	ARG	1

*Continued on next page...*



*Continued from previous page...*

Mol	Chain	Res	Type	Models (Total)
1	A	699	PHE	1
1	A	705	VAL	1
1	A	785	LEU	1
1	A	745	SER	1
1	A	837	SER	1
1	B	852	GLU	1
1	C	808	LYS	1
1	A	753	LEU	1
1	A	848	ARG	1
1	A	851	LEU	1
1	C	739	GLU	1
1	C	763	LEU	1
1	C	767	SER	1
1	C	845	ARG	1
1	A	702	LEU	1
1	A	749	VAL	1
1	A	852	GLU	1
1	B	706	ASN	1
1	B	822	VAL	1
1	A	827	ASP	1
1	A	831	GLU	1
1	B	855	LEU	1
1	C	779	THR	1

### 6.3.3 RNA ⓘ

There are no RNA molecules in this entry.

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

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

### 6.5 Carbohydrates ⓘ

There are no oligosaccharides in this entry.

### 6.6 Ligand geometry ⓘ

There are no ligands in this entry.

## 6.7 Other polymers [i](#)

There are no such molecules in this entry.

## 6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

## 7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 8% for the well-defined parts and 8% for the entire structure.

### 7.1 Chemical shift list 1

File name: working\_cs.cif

Chemical shift list name: *HIV1\_gp41\_TMD-CT\_chemical\_shifts.tab*

#### 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	596
Number of shifts mapped to atoms	561
Number of unparsed shifts	0
Number of shifts with mapping errors	35
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

The following assigned chemical shifts were not mapped to the molecules present in the coordinate file.

- No matching atom found in the structure. All 35 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	717	PHE	H	8.05	0.01	1
1	A	717	PHE	C	175.43	0.05	1
1	A	717	PHE	CA	57.49	0.05	1
1	A	717	PHE	N	120.86	0.03	1
1	A	718	GLN	H	8.13	0.01	1
1	A	718	GLN	C	175.94	0.05	1
1	A	718	GLN	CA	55.56	0.05	1
1	A	718	GLN	N	120.21	0.03	1
1	A	719	THR	H	8.03	0.01	1
1	A	719	THR	CA	61.81	0.05	1
1	A	719	THR	N	114.2	0.03	1
1	A	720	HIS	C	174.75	0.05	1
1	A	720	HIS	CA	55.7	0.05	1
1	A	721	LEU	H	8.02	0.01	1

*Continued on next page...*

Continued from previous page...

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	721	LEU	CA	52.47	0.05	1
1	A	721	LEU	N	123.97	0.03	1
1	A	722	PRO	C	176.74	0.05	1
1	A	722	PRO	CA	62.54	0.05	1
1	A	723	THR	H	8.15	0.01	1
1	A	723	THR	CA	59.45	0.05	1
1	A	723	THR	N	116.61	0.03	1
1	A	724	PRO	C	177.1	0.05	1
1	A	724	PRO	CA	62.91	0.05	1
1	A	725	ARG	H	8.45	0.01	1
1	A	725	ARG	C	177.14	0.05	1
1	A	725	ARG	CA	55.87	0.05	1
1	A	725	ARG	N	121.18	0.03	1
1	A	737	GLY	H	8.48	0.01	1
1	A	737	GLY	C	174.84	0.05	1
1	A	737	GLY	CA	45.06	0.05	1
1	A	737	GLY	N	110.12	0.03	1
1	A	738	GLY	H	8.32	0.01	1
1	A	738	GLY	C	174.61	0.05	1
1	A	738	GLY	CA	44.88	0.05	1
1	A	738	GLY	N	108.9	0.03	1

### 7.1.2 Chemical shift referencing ⓘ

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction $\pm$ precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	157	$-0.02 \pm 0.12$	None needed ( $< 0.5$ ppm)
$^{13}\text{C}_\beta$	0	—	None (insufficient data)
$^{13}\text{C}'$	145	$-0.29 \pm 0.11$	None needed ( $< 0.5$ ppm)
$^{15}\text{N}$	147	$0.80 \pm 0.18$	Should be applied

### 7.1.3 Completeness of resonance assignments ⓘ

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 8%, i.e. 508 atoms were assigned a chemical shift out of a possible 6514. 0 out of 115 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	$^1\text{H}$	$^{13}\text{C}$	$^{15}\text{N}$
Backbone	508/2187 (23%)	126/891 (14%)	256/868 (29%)	126/428 (29%)

Continued on next page...

Continued from previous page...

	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Sidechain	0/3931 (0%)	0/2570 (0%)	0/1145 (0%)	0/216 (0%)
Aromatic	0/396 (0%)	0/192 (0%)	0/177 (0%)	0/27 (0%)
Overall	508/6514 (8%)	126/3653 (3%)	256/2190 (12%)	126/671 (19%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 8%, i.e. 561 atoms were assigned a chemical shift out of a possible 7212. 0 out of 120 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	<sup>1</sup> H	<sup>13</sup> C	<sup>15</sup> N
Backbone	561/2388 (23%)	139/972 (14%)	283/948 (30%)	139/468 (30%)
Sidechain	0/4299 (0%)	0/2817 (0%)	0/1254 (0%)	0/228 (0%)
Aromatic	0/525 (0%)	0/255 (0%)	0/237 (0%)	0/33 (0%)
Overall	561/7212 (8%)	139/4044 (3%)	283/2439 (12%)	139/729 (19%)

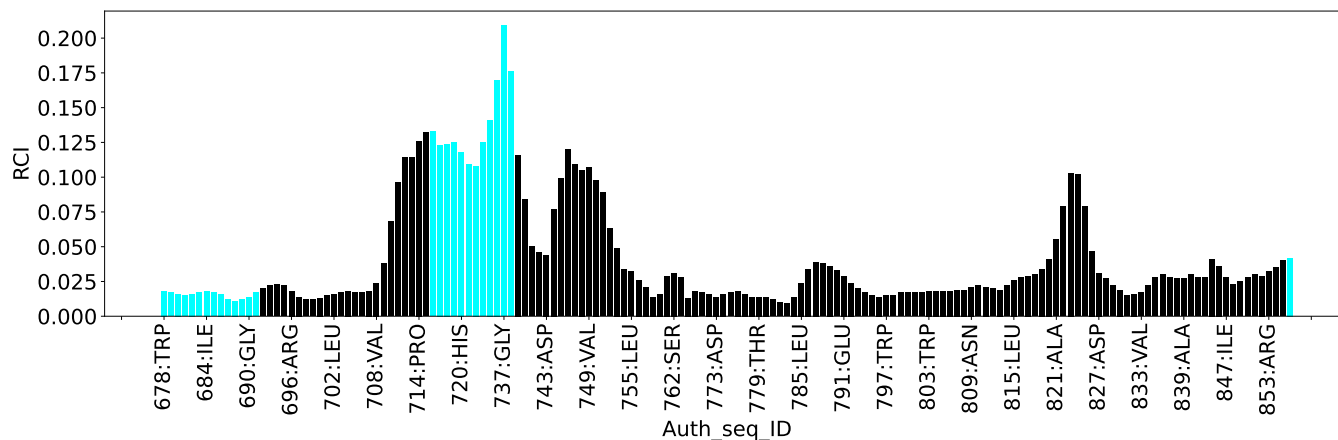
#### 7.1.4 Statistically unusual chemical shifts [i](#)

There are no statistically unusual chemical shifts.

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

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

Random coil index (RCI) for chain A:



## 8 NMR restraints analysis

### 8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1479
Intra-residue ( $ i-j =0$ )	168
Sequential ( $ i-j =1$ )	402
Medium range ( $ i-j >1$ and $ i-j <5$ )	483
Long range ( $ i-j \geq 5$ )	168
Inter-chain	0
Hydrogen bond restraints	258
Disulfide bond restraints	0
Total dihedral-angle restraints	278
Number of unmapped restraints	38
Number of restraints per residue	3.3
Number of long range restraints per residue <sup>1</sup>	0.3

<sup>1</sup>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)	96.0	0.2
0.2-0.5 (Medium)	132.2	0.5
>0.5 (Large)	153.4	52.15

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

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

Bins (°)	Average number of violations per model	Max (°)
1.0-10.0 (Small)	51.6	7.1
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

## 9 Distance violation analysis ⓘ

### 9.1 Summary of distance violations ⓘ

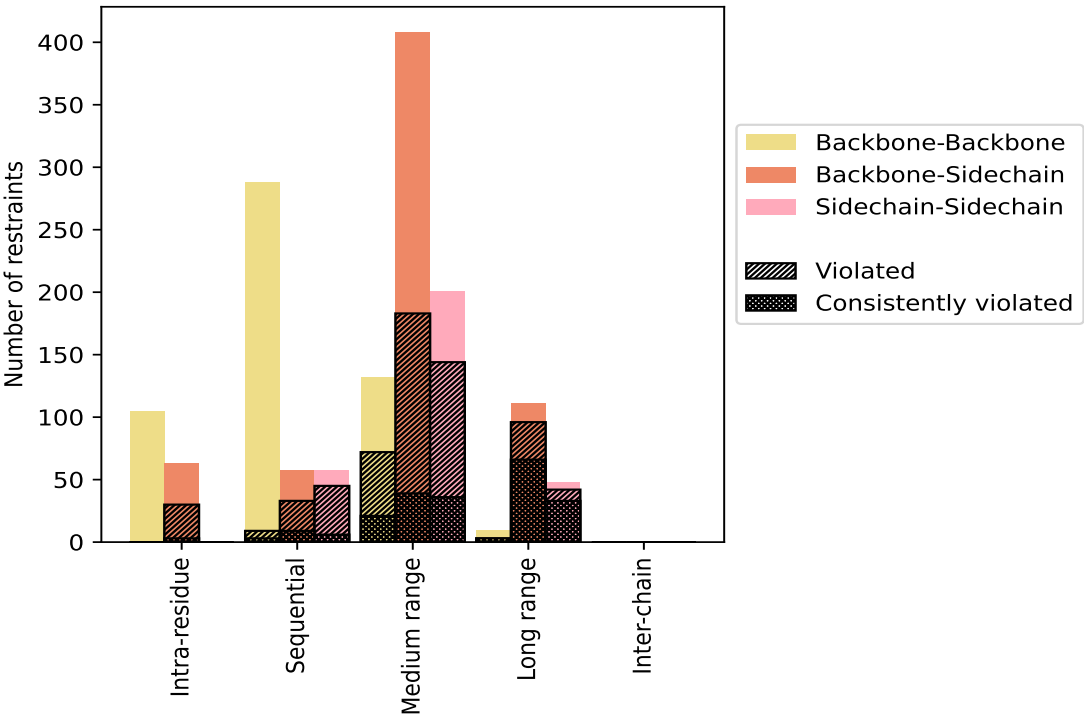
The following table shows the summary of distance violations in different restraint categories based on the sequence separation of the atoms involved. Each category is further sub-divided into three sub-categories based on the atoms involved. Violations less than 0.1 Å are not included in the statistics.

Restrains type	Count	% <sup>1</sup>	Violated <sup>3</sup>			Consistently Violated <sup>4</sup>		
			Count	% <sup>2</sup>	% <sup>1</sup>	Count	% <sup>2</sup>	% <sup>1</sup>
<b>Intra-residue (<math> i-j =0</math>)</b>	<b>168</b>	<b>11.4</b>	<b>30</b>	<b>17.9</b>	<b>2.0</b>	<b>3</b>	<b>1.8</b>	<b>0.2</b>
Backbone-Backbone	105	7.1	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	63	4.3	30	47.6	2.0	3	4.8	0.2
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
<b>Sequential (<math> i-j =1</math>)</b>	<b>402</b>	<b>27.2</b>	<b>87</b>	<b>21.6</b>	<b>5.9</b>	<b>18</b>	<b>4.5</b>	<b>1.2</b>
Backbone-Backbone	288	19.5	9	3.1	0.6	3	1.0	0.2
Backbone-Sidechain	57	3.9	33	57.9	2.2	9	15.8	0.6
Sidechain-Sidechain	57	3.9	45	78.9	3.0	6	10.5	0.4
<b>Medium range (<math> i-j &gt;1</math> &amp; <math> i-j &lt;5</math>)</b>	<b>483</b>	<b>32.7</b>	<b>324</b>	<b>67.1</b>	<b>21.9</b>	<b>87</b>	<b>18.0</b>	<b>5.9</b>
Backbone-Backbone	132	8.9	72	54.5	4.9	21	15.9	1.4
Backbone-Sidechain	150	10.1	108	72.0	7.3	30	20.0	2.0
Sidechain-Sidechain	201	13.6	144	71.6	9.7	36	17.9	2.4
<b>Long range (<math> i-j \geq 5</math>)</b>	<b>168</b>	<b>11.4</b>	<b>141</b>	<b>83.9</b>	<b>9.5</b>	<b>102</b>	<b>60.7</b>	<b>6.9</b>
Backbone-Backbone	9	0.6	3	33.3	0.2	3	33.3	0.2
Backbone-Sidechain	111	7.5	96	86.5	6.5	66	59.5	4.5
Sidechain-Sidechain	48	3.2	42	87.5	2.8	33	68.8	2.2
<b>Inter-chain</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
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
<b>Hydrogen bond</b>	<b>258</b>	<b>17.4</b>	<b>75</b>	<b>29.1</b>	<b>5.1</b>	<b>9</b>	<b>3.5</b>	<b>0.6</b>
<b>Disulfide bond</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>0.0</b>
<b>Total</b>	<b>1479</b>	<b>100.0</b>	<b>657</b>	<b>44.4</b>	<b>44.4</b>	<b>219</b>	<b>14.8</b>	<b>14.8</b>
Backbone-Backbone	534	36.1	84	15.7	5.7	27	5.1	1.8
Backbone-Sidechain	639	43.2	342	53.5	23.1	117	18.3	7.9
Sidechain-Sidechain	306	20.7	231	75.5	15.6	75	24.5	5.1

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



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



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total				
1	12	45	225	126	0	408	6.02	51.47	11.66	0.31
2	15	51	213	117	0	396	6.15	51.14	11.66	0.38
3	12	51	219	114	0	396	6.19	49.94	11.68	0.34
4	12	45	201	120	0	378	6.36	50.23	11.73	0.33
5	9	45	198	111	0	363	6.65	50.88	11.97	0.39
6	12	45	225	120	0	402	6.01	51.02	11.53	0.33
7	18	39	225	117	0	399	6.1	50.65	11.61	0.37
8	9	42	222	123	0	396	6.23	51.09	11.8	0.35
9	12	45	213	117	0	387	6.19	51.27	11.54	0.35
10	15	42	207	117	0	381	6.46	50.99	11.97	0.38

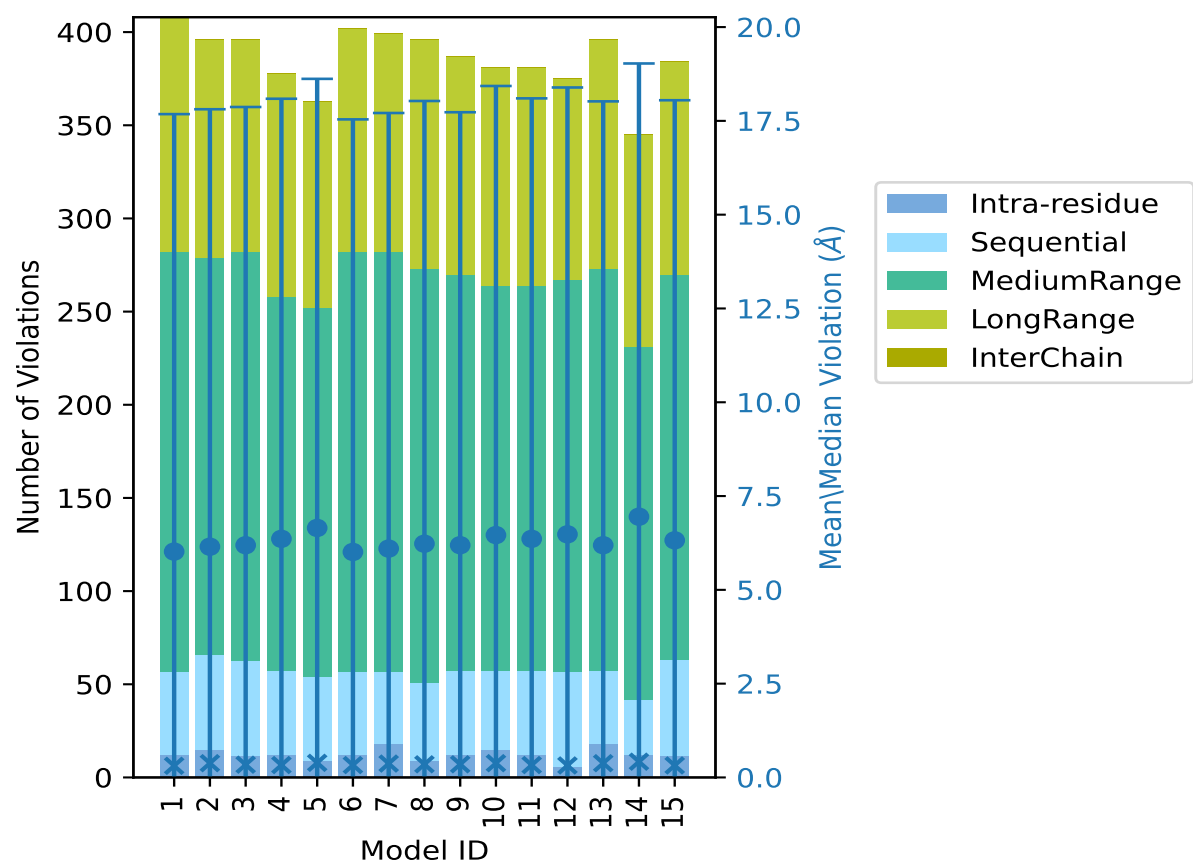
Continued on next page...

Continued from previous page...

Model ID	Number of violations						Mean (Å)	Max (Å)	SD <sup>6</sup> (Å)	Median (Å)
	IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total				
11	12	45	207	117	0	381	6.36	50.43	11.74	0.33
12	6	51	210	108	0	375	6.48	52.15	11.91	0.32
13	18	39	216	123	0	396	6.19	51.87	11.83	0.38
14	12	30	189	114	0	345	6.95	50.85	12.08	0.42
15	12	51	207	114	0	384	6.32	50.33	11.73	0.32

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

9.2.1 Bar graph : Distance Violation statistics for each model ⓘ



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

### 9.3 Distance violation statistics for the ensemble

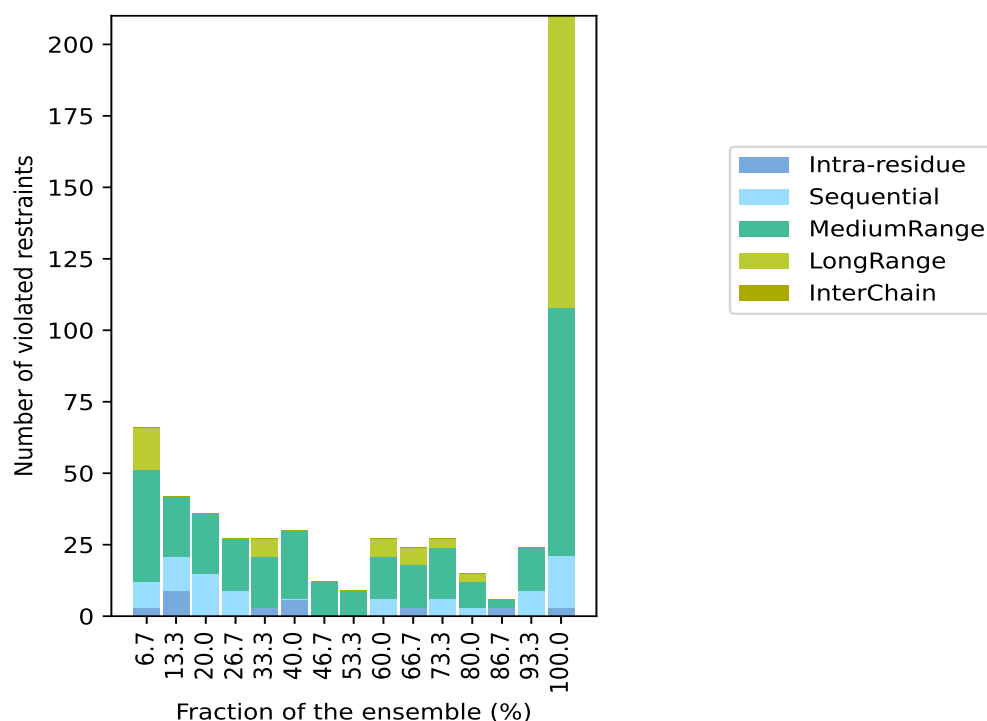
Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 639(IR:138, SQ:315, MR:159, LR:27, IC:0) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR <sup>1</sup>	SQ <sup>2</sup>	MR <sup>3</sup>	LR <sup>4</sup>	IC <sup>5</sup>	Total	Count <sup>6</sup>	%
3	9	39	15	0	66	1	6.7
9	12	21	0	0	42	2	13.3
0	15	21	0	0	36	3	20.0
0	9	18	0	0	27	4	26.7
3	0	18	6	0	27	5	33.3
6	0	24	0	0	30	6	40.0
0	0	12	0	0	12	7	46.7
0	0	9	0	0	9	8	53.3
0	6	15	6	0	27	9	60.0
3	0	15	6	0	24	10	66.7
0	6	18	3	0	27	11	73.3
0	3	9	3	0	15	12	80.0
3	0	3	0	0	6	13	86.7
0	9	15	0	0	24	14	93.3
3	18	87	102	0	210	15	100.0

<sup>1</sup>Intra-residue restraints, <sup>2</sup>Sequential restraints, <sup>3</sup>Medium range restraints, <sup>4</sup>Long range restraints,

<sup>5</sup>Inter-chain restraints, <sup>6</sup> Number of models with violations

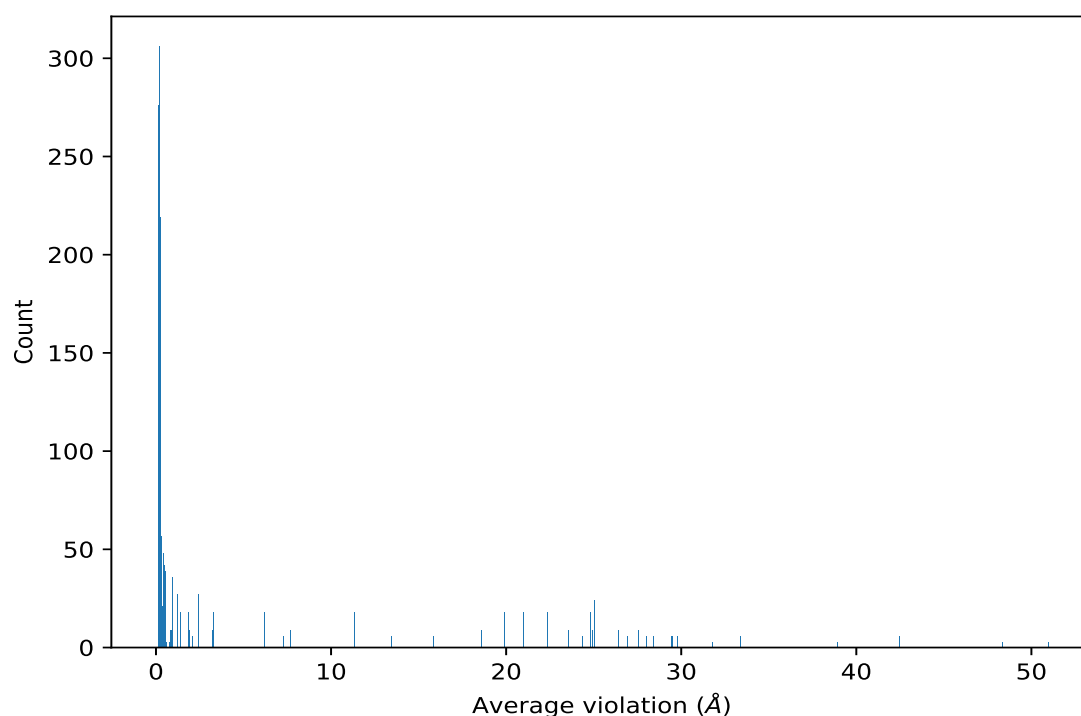
### 9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	15	50.95	0.58	50.99
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	15	50.95	0.58	50.99
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	15	50.95	0.58	50.99
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	15	48.4	0.58	48.22
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	15	48.4	0.58	48.22
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	15	48.4	0.58	48.22
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	15	42.49	0.53	42.5
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	15	42.49	0.53	42.5
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	15	42.49	0.53	42.5
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	15	42.49	0.53	42.5
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	15	42.49	0.53	42.5
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	15	42.49	0.53	42.5
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	15	38.92	0.64	38.8
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	15	38.92	0.64	38.8
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	15	38.92	0.64	38.8
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	15	33.39	0.59	33.5

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	15	33.39	0.59	33.5
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	15	33.39	0.59	33.5
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	15	33.39	0.59	33.5
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	15	33.39	0.59	33.5
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	15	33.39	0.59	33.5
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	15	31.78	1.0	31.58
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	15	31.78	1.0	31.58
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	15	31.78	1.0	31.58
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	15	29.78	1.01	29.47
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	15	29.78	1.01	29.47
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	15	29.78	1.01	29.47
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	15	29.78	1.01	29.47
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	15	29.78	1.01	29.47
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	15	29.78	1.01	29.47
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	15	29.49	0.69	29.91
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	15	29.49	0.69	29.91
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	15	29.49	0.69	29.91
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	15	29.49	0.69	29.91
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	15	29.49	0.69	29.91
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	15	29.49	0.69	29.91
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	15	29.42	0.76	29.63
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	15	29.42	0.76	29.63
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	15	29.42	0.76	29.63
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	15	29.42	0.76	29.63
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	15	29.42	0.76	29.63
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	15	29.42	0.76	29.63
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	15	28.42	0.63	28.55
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	15	28.42	0.63	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	15	28.42	0.63	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	15	28.42	0.63	28.55
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	15	28.42	0.63	28.55
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	15	28.42	0.63	28.55
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	15	28.03	0.86	27.72
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	15	28.03	0.86	27.72
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	15	28.03	0.86	27.72
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	15	28.03	0.86	27.72
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	15	28.03	0.86	27.72
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	15	28.03	0.86	27.72
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	27.59	0.58	27.89
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	27.59	0.58	27.89
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	27.59	0.58	27.89
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	27.59	0.58	27.89

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	27.59	0.58	27.89
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	27.59	0.58	27.89
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	27.59	0.58	27.89
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	27.59	0.58	27.89
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	27.59	0.58	27.89
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	15	26.95	0.72	26.66
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	15	26.95	0.72	26.66
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	15	26.95	0.72	26.66
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	15	26.95	0.72	26.66
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	15	26.95	0.72	26.66
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	15	26.95	0.72	26.66
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	26.45	1.09	26.3
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	26.45	1.09	26.3
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	26.45	1.09	26.3
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	26.45	1.09	26.3
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	26.45	1.09	26.3
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	26.45	1.09	26.3
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	26.45	1.09	26.3
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	26.45	1.09	26.3
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	26.45	1.09	26.3
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	25.04	0.39	25.11
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	25.04	0.39	25.11
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	25.04	0.39	25.11
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	25.04	0.39	25.11
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	25.04	0.39	25.11
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	25.04	0.39	25.11
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	25.04	0.39	25.11
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	25.04	0.39	25.11
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	25.04	0.39	25.11
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	25.04	0.39	25.11
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	25.04	0.39	25.11
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	25.04	0.39	25.11
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	25.04	0.39	25.11
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	25.04	0.39	25.11
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	25.04	0.39	25.11
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	25.04	0.39	25.11
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	25.04	0.39	25.11
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	25.04	0.39	25.11
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	25.0	0.63	24.97
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	25.0	0.63	24.97
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	25.0	0.63	24.97
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	25.0	0.63	24.97

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	25.0	0.63	24.97
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	25.0	0.63	24.97
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	24.92	0.8	24.82
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	24.92	0.8	24.82
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	24.92	0.8	24.82
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	24.92	0.8	24.82
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	24.92	0.8	24.82
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	24.92	0.8	24.82
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	24.92	0.8	24.82
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	24.92	0.8	24.82
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	24.92	0.8	24.82
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	15	24.83	0.61	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	15	24.83	0.61	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	15	24.83	0.61	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	15	24.83	0.61	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	15	24.83	0.61	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	15	24.83	0.61	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	15	24.83	0.61	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	15	24.83	0.61	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	15	24.83	0.61	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	15	24.83	0.61	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	15	24.83	0.61	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	15	24.83	0.61	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	15	24.83	0.61	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	15	24.83	0.61	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	15	24.83	0.61	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	15	24.83	0.61	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	15	24.83	0.61	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	15	24.83	0.61	24.77
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	15	24.39	0.57	24.2
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	15	24.39	0.57	24.2
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	15	24.39	0.57	24.2
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	15	24.39	0.57	24.2
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	15	24.39	0.57	24.2
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	15	24.39	0.57	24.2
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	15	23.55	1.0	23.29
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	15	23.55	1.0	23.29
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	15	23.55	1.0	23.29
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	15	23.55	1.0	23.29
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	15	23.55	1.0	23.29
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	15	23.55	1.0	23.29
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	15	23.55	1.0	23.29

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	15	23.55	1.0	23.29
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	15	23.55	1.0	23.29
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	22.38	1.2	22.23
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	22.38	1.2	22.23
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	22.38	1.2	22.23
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	22.38	1.2	22.23
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	22.38	1.2	22.23
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	22.38	1.2	22.23
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	22.38	1.2	22.23
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	22.38	1.2	22.23
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	22.38	1.2	22.23
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	22.38	1.2	22.23
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	22.38	1.2	22.23
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	22.38	1.2	22.23
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	22.38	1.2	22.23
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	22.38	1.2	22.23
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	22.38	1.2	22.23
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	22.38	1.2	22.23
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	22.38	1.2	22.23
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	22.38	1.2	22.23
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	20.99	0.38	21.0
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	20.99	0.38	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	20.99	0.38	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	20.99	0.38	21.0
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	20.99	0.38	21.0
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	20.99	0.38	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	20.99	0.38	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	20.99	0.38	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	20.99	0.38	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	20.99	0.38	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	20.99	0.38	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	20.99	0.38	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	20.99	0.38	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	20.99	0.38	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	20.99	0.38	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	20.99	0.38	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	20.99	0.38	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	20.99	0.38	21.0
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	19.95	0.84	19.68
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	19.95	0.84	19.68
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	19.95	0.84	19.68
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	19.95	0.84	19.68

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	19.95	0.84	19.68
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	19.95	0.84	19.68
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	19.95	0.84	19.68
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	19.95	0.84	19.68
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	19.95	0.84	19.68
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	19.95	0.84	19.68
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	19.95	0.84	19.68
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	19.95	0.84	19.68
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	19.95	0.84	19.68
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	19.95	0.84	19.68
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	19.95	0.84	19.68
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	19.95	0.84	19.68
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	19.95	0.84	19.68
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	19.95	0.84	19.68
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	18.58	0.88	18.58
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	18.58	0.88	18.58
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	18.58	0.88	18.58
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	18.58	0.88	18.58
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	18.58	0.88	18.58
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	18.58	0.88	18.58
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	18.58	0.88	18.58
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	18.58	0.88	18.58
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	18.58	0.88	18.58
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	15.87	0.62	15.89
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	15.87	0.62	15.89
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	15.87	0.62	15.89
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	15.87	0.62	15.89
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	15.87	0.62	15.89
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	15.87	0.62	15.89
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.46	0.53	13.48
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.46	0.53	13.48
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.46	0.53	13.48
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.46	0.53	13.48
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.46	0.53	13.48
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.46	0.53	13.48
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	11.31	0.77	11.3
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	11.31	0.77	11.3
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	11.31	0.77	11.3
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	11.31	0.77	11.3
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	11.31	0.77	11.3
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	11.31	0.77	11.3
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	11.31	0.77	11.3

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	11.31	0.77	11.3
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	11.31	0.77	11.3
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	11.31	0.77	11.3
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	11.31	0.77	11.3
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	11.31	0.77	11.3
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	11.31	0.77	11.3
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	11.31	0.77	11.3
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	11.31	0.77	11.3
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	11.31	0.77	11.3
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	11.31	0.77	11.3
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	11.31	0.77	11.3
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	7.69	0.72	7.71
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	7.69	0.72	7.71
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	7.69	0.72	7.71
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	7.69	0.72	7.71
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	7.69	0.72	7.71
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	7.69	0.72	7.71
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	7.69	0.72	7.71
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	7.69	0.72	7.71
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	7.69	0.72	7.71
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	7.28	0.57	7.37
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	7.28	0.57	7.37
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	7.28	0.57	7.37
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	7.28	0.57	7.37
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	7.28	0.57	7.37
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	7.28	0.57	7.37
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.22	0.47	6.19
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.22	0.47	6.19
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.22	0.47	6.19
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.22	0.47	6.19
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.22	0.47	6.19
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.22	0.47	6.19
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.22	0.47	6.19
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.22	0.47	6.19
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.22	0.47	6.19
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.22	0.47	6.19
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.22	0.47	6.19
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.22	0.47	6.19
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.22	0.47	6.19
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.22	0.47	6.19
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.22	0.47	6.19
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.22	0.47	6.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.22	0.47	6.19
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.22	0.47	6.19
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	3.29	0.81	3.51
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	3.29	0.81	3.51
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	3.29	0.81	3.51
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	3.29	0.81	3.51
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	3.29	0.81	3.51
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	3.29	0.81	3.51
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	3.29	0.81	3.51
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	3.29	0.81	3.51
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	3.29	0.81	3.51
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	3.29	0.81	3.51
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	3.29	0.81	3.51
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	3.29	0.81	3.51
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	3.29	0.81	3.51
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	3.29	0.81	3.51
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	3.29	0.81	3.51
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	3.29	0.81	3.51
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	3.29	0.81	3.51
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	3.29	0.81	3.51
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.22	0.57	3.1
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.22	0.57	3.1
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.22	0.57	3.1
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.22	0.57	3.1
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.22	0.57	3.1
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.22	0.57	3.1
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.22	0.57	3.1
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.22	0.57	3.1
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.22	0.57	3.1
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.42	0.08	2.43
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.42	0.08	2.43
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.42	0.08	2.43
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.42	0.08	2.43
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.42	0.08	2.43
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.42	0.08	2.43
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.42	0.08	2.43
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.42	0.08	2.43
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.42	0.08	2.43
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.42	0.08	2.43
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.42	0.08	2.43
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.42	0.08	2.43
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.42	0.08	2.43

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.42	0.08	2.43
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.42	0.08	2.43
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.42	0.08	2.43
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.42	0.08	2.43
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.42	0.08	2.43
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.42	0.08	2.43
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.42	0.08	2.43
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.42	0.08	2.43
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.42	0.08	2.43
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.42	0.08	2.43
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.42	0.08	2.43
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.42	0.08	2.43
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.42	0.08	2.43
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.42	0.08	2.43
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.06	0.36	2.03
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.06	0.36	2.03
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.06	0.36	2.03
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.06	0.36	2.03
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.06	0.36	2.03
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.06	0.36	2.03
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	1.91	0.33	1.94
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	1.91	0.33	1.94
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	1.91	0.33	1.94
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	1.91	0.33	1.94
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	1.91	0.33	1.94
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	1.91	0.33	1.94
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	1.91	0.33	1.94
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	1.91	0.33	1.94
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	1.91	0.33	1.94
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	1.86	0.43	1.9
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	1.86	0.43	1.9
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	1.86	0.43	1.9
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	1.86	0.43	1.9
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	1.86	0.43	1.9
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	1.86	0.43	1.9
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	1.86	0.43	1.9
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	1.86	0.43	1.9
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	1.86	0.43	1.9
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	1.86	0.43	1.9
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	1.86	0.43	1.9
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	1.86	0.43	1.9
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	1.86	0.43	1.9

*Continued on next page...*



Continued from previous page...

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	1.86	0.43	1.9
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	1.86	0.43	1.9
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	1.86	0.43	1.9
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	1.86	0.43	1.9
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	1.86	0.43	1.9
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.41	0.33	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.41	0.33	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.41	0.33	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.41	0.33	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.41	0.33	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.41	0.33	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.41	0.33	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.41	0.33	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.41	0.33	1.44
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.22	0.07	1.25
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.22	0.07	1.25
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.22	0.07	1.25
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.22	0.07	1.25
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.22	0.07	1.25
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.22	0.07	1.25
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.22	0.07	1.25
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.22	0.07	1.25
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.22	0.07	1.25
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	0.92	0.26	0.75
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	0.92	0.26	0.75
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	0.92	0.26	0.75
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	0.92	0.26	0.75
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	0.92	0.26	0.75
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	0.92	0.26	0.75
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	0.92	0.26	0.75
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	0.92	0.26	0.75
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	0.92	0.26	0.75
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	0.92	0.26	0.75
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	0.92	0.26	0.75
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	0.92	0.26	0.75
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	0.92	0.26	0.75
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	0.92	0.26	0.75
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	0.92	0.26	0.75
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	0.92	0.26	0.75
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	0.92	0.26	0.75
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	0.92	0.26	0.75
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	15	0.87	0.13	0.87

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	15	0.87	0.13	0.87
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	15	0.87	0.13	0.87
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	15	0.82	0.08	0.81
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	15	0.82	0.08	0.81
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	15	0.82	0.08	0.81
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	15	0.82	0.08	0.81
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	15	0.82	0.08	0.81
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	15	0.82	0.08	0.81
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	15	0.82	0.08	0.81
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	15	0.82	0.08	0.81
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	15	0.82	0.08	0.81
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.76	0.14	0.8
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.76	0.14	0.8
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.76	0.14	0.8
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	15	0.64	0.04	0.65
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	15	0.64	0.04	0.65
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	15	0.64	0.04	0.65
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.53	0.18	0.58
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.53	0.18	0.58
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.53	0.18	0.58
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.52	0.09	0.49
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.52	0.09	0.49
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.52	0.09	0.49
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.52	0.12	0.51
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.52	0.12	0.51
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.52	0.09	0.49
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.52	0.09	0.49
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.52	0.09	0.49
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.52	0.12	0.51
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.52	0.12	0.51
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.52	0.09	0.49
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.52	0.09	0.49
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.52	0.09	0.49
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.52	0.12	0.51
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.52	0.12	0.51
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.49	0.11	0.49
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.49	0.11	0.49
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.49	0.11	0.49
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.49	0.11	0.49
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.49	0.11	0.49
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.49	0.11	0.49
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.49	0.11	0.49

Continued on next page...

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.49	0.11	0.49
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.49	0.11	0.49
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.49	0.11	0.49
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.49	0.11	0.49
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.49	0.11	0.49
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.49	0.11	0.49
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.49	0.11	0.49
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.49	0.11	0.49
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.49	0.11	0.49
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.49	0.11	0.49
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.49	0.11	0.49
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.49	0.11	0.49
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.49	0.11	0.49
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.49	0.11	0.49
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.49	0.11	0.49
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.49	0.11	0.49
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.49	0.11	0.49
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.49	0.11	0.49
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.49	0.11	0.49
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.49	0.11	0.49
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.48	0.1	0.5
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.48	0.1	0.5
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.48	0.1	0.5
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.46	0.08	0.45
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.46	0.08	0.45
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.46	0.08	0.45
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.46	0.08	0.45
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.46	0.08	0.45
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.46	0.08	0.45
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.46	0.08	0.45
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.46	0.08	0.45
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.46	0.08	0.45
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	15	0.45	0.09	0.44
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	15	0.45	0.09	0.44
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	15	0.45	0.09	0.44
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	15	0.43	0.14	0.45
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	15	0.43	0.14	0.45
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	15	0.43	0.14	0.45
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	15	0.43	0.14	0.45
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	15	0.43	0.14	0.45
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	15	0.43	0.14	0.45
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	15	0.43	0.14	0.45

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	15	0.43	0.14	0.45
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	15	0.43	0.14	0.45
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.43	0.1	0.43
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.43	0.1	0.43
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.43	0.1	0.43
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.43	0.1	0.43
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.43	0.1	0.43
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.43	0.1	0.43
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.43	0.1	0.43
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.43	0.1	0.43
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.43	0.1	0.43
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.42	0.08	0.45
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.42	0.08	0.45
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.42	0.08	0.45
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.41	0.12	0.41
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.41	0.12	0.41
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.41	0.12	0.41
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.41	0.12	0.41
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.41	0.12	0.41
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.41	0.12	0.41
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.39	0.05	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.39	0.05	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.39	0.05	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.39	0.05	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.39	0.05	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.39	0.05	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.39	0.05	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.39	0.05	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.39	0.05	0.4
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.35	0.04	0.35
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.35	0.04	0.35
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.35	0.04	0.35
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.33	0.08	0.3
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.33	0.08	0.3
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.33	0.08	0.3
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.32	0.12	0.3
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.32	0.12	0.3
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.32	0.12	0.3
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.32	0.06	0.31
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.32	0.06	0.31
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.32	0.06	0.31
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	15	0.31	0.08	0.32

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	15	0.31	0.08	0.32
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	15	0.31	0.08	0.32
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	15	0.31	0.08	0.32
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	15	0.31	0.08	0.32
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	15	0.31	0.08	0.32
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	15	0.31	0.14	0.27
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	15	0.31	0.14	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	15	0.31	0.08	0.32
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	15	0.31	0.08	0.32
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	15	0.31	0.08	0.32
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	15	0.31	0.08	0.32
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	15	0.31	0.08	0.32
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	15	0.31	0.08	0.32
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	15	0.31	0.14	0.27
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	15	0.31	0.14	0.27
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	15	0.31	0.08	0.32
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	15	0.31	0.08	0.32
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	15	0.31	0.08	0.32
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	15	0.31	0.08	0.32
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	15	0.31	0.08	0.32
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	15	0.31	0.08	0.32
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	15	0.31	0.14	0.27
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	15	0.31	0.14	0.27
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.3	0.11	0.26
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.3	0.11	0.26
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.3	0.11	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	15	0.29	0.06	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	15	0.29	0.06	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	15	0.29	0.06	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	15	0.29	0.06	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	15	0.29	0.06	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	15	0.29	0.06	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	15	0.29	0.06	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	15	0.29	0.06	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	15	0.29	0.06	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	15	0.29	0.06	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	15	0.29	0.06	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	15	0.29	0.06	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	15	0.29	0.06	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	15	0.29	0.06	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	15	0.29	0.06	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	15	0.29	0.06	0.29

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	15	0.29	0.06	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	15	0.29	0.06	0.29
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	15	0.27	0.05	0.27
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	15	0.27	0.05	0.27
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	15	0.27	0.05	0.27
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	15	0.27	0.05	0.27
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	15	0.27	0.05	0.27
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	15	0.27	0.05	0.27
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.26	0.07	0.26
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.26	0.07	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.26	0.07	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.26	0.07	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.26	0.07	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.26	0.07	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.26	0.07	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.26	0.07	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.26	0.07	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.26	0.07	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.26	0.07	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.26	0.07	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.26	0.07	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.26	0.07	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.26	0.07	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.26	0.07	0.26
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.26	0.07	0.26
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.26	0.07	0.26
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.26	0.09	0.22
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.26	0.09	0.22
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.26	0.09	0.22
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	15	0.25	0.08	0.27
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	15	0.25	0.08	0.27
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	15	0.25	0.08	0.27
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.25	0.05	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.25	0.05	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.25	0.05	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.25	0.05	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.25	0.05	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.25	0.05	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.25	0.05	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.25	0.05	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.25	0.05	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.25	0.05	0.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.25	0.05	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.25	0.05	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.25	0.05	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.25	0.05	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.25	0.05	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.25	0.05	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.25	0.05	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.25	0.05	0.24
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.22	0.05	0.22
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.22	0.05	0.22
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.22	0.05	0.22
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.22	0.05	0.22
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.22	0.05	0.22
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.22	0.05	0.22
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.22	0.05	0.22
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.22	0.05	0.22
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.22	0.05	0.22
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.22	0.05	0.22
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.22	0.05	0.22
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.22	0.05	0.22
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.22	0.05	0.22
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.22	0.05	0.22
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.22	0.05	0.22
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.22	0.05	0.22
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.22	0.05	0.22
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.22	0.05	0.22
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.2	0.05	0.2
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.2	0.05	0.2
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.2	0.05	0.2
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.2	0.05	0.2
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.2	0.05	0.2
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.2	0.05	0.2
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.2	0.05	0.2
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.2	0.05	0.2
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.2	0.05	0.2
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.2	0.07	0.18
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.2	0.07	0.18
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.2	0.07	0.18
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.19	0.05	0.21
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.19	0.05	0.21
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.19	0.05	0.21
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.19	0.05	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.19	0.05	0.21
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.19	0.05	0.21
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.19	0.05	0.21
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.19	0.05	0.21
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.19	0.05	0.21
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.19	0.05	0.21
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.19	0.05	0.21
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.19	0.05	0.21
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.19	0.05	0.21
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.19	0.05	0.21
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.19	0.05	0.21
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.19	0.05	0.21
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.19	0.05	0.21
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.19	0.05	0.21
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.18	0.01	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.18	0.01	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.18	0.01	0.18
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.23	0.72	1.46
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.23	0.72	1.46
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.23	0.72	1.46
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.23	0.72	1.46
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.23	0.72	1.46
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.23	0.72	1.46
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.23	0.72	1.46
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.23	0.72	1.46
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.23	0.72	1.46
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.23	0.72	1.46
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.23	0.72	1.46
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.23	0.72	1.46
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.23	0.72	1.46
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.23	0.72	1.46
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.23	0.72	1.46
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.23	0.72	1.46
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.23	0.72	1.46
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.23	0.72	1.46
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	0.93	0.49	0.94
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	0.93	0.49	0.94
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	0.93	0.49	0.94
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	0.93	0.49	0.94
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	0.93	0.49	0.94
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	0.93	0.49	0.94
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	0.93	0.49	0.94

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	0.93	0.49	0.94
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	0.93	0.49	0.94
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	0.93	0.49	0.94
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	0.93	0.49	0.94
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	0.93	0.49	0.94
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	0.93	0.49	0.94
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	0.93	0.49	0.94
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	0.93	0.49	0.94
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	0.93	0.49	0.94
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	0.93	0.49	0.94
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	0.93	0.49	0.94
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	14	0.31	0.1	0.29
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	14	0.31	0.1	0.29
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	14	0.31	0.1	0.29
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.3	0.09	0.3
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.3	0.09	0.3
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.3	0.09	0.3
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.3	0.09	0.3
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.3	0.09	0.3
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.3	0.09	0.3
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.3	0.09	0.3
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.3	0.09	0.3
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.3	0.09	0.3
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.3	0.09	0.3
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.3	0.09	0.3
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.3	0.09	0.3
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.3	0.09	0.3
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.3	0.09	0.3
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.3	0.09	0.3
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.3	0.09	0.3
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.3	0.09	0.3
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.3	0.09	0.3
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	14	0.29	0.14	0.24
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	14	0.29	0.14	0.24
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	14	0.29	0.14	0.24
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	14	0.29	0.14	0.24
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	14	0.29	0.14	0.24
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	14	0.29	0.14	0.24
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	14	0.29	0.14	0.24
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	14	0.29	0.14	0.24
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	14	0.29	0.14	0.24
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	14	0.26	0.09	0.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	14	0.26	0.09	0.25
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	14	0.26	0.09	0.25
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.24	0.05	0.22
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.24	0.05	0.22
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.24	0.05	0.22
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	14	0.21	0.04	0.22
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	14	0.21	0.04	0.22
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	14	0.21	0.04	0.22
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	14	0.21	0.04	0.22
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	14	0.21	0.04	0.22
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	14	0.21	0.04	0.22
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	14	0.21	0.04	0.22
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	14	0.21	0.04	0.22
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	14	0.21	0.04	0.22
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	14	0.21	0.04	0.22
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	14	0.21	0.04	0.22
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	14	0.21	0.04	0.22
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	14	0.21	0.04	0.22
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	14	0.21	0.04	0.22
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	14	0.21	0.04	0.22
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	14	0.21	0.04	0.22
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	14	0.21	0.04	0.22
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	14	0.21	0.04	0.22
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	14	0.21	0.05	0.2
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	14	0.21	0.05	0.2
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	14	0.21	0.05	0.2
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	14	0.21	0.05	0.2
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	14	0.21	0.05	0.2
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	14	0.21	0.05	0.2
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	14	0.21	0.05	0.2
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	14	0.21	0.05	0.2
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	14	0.21	0.05	0.2
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	14	0.21	0.05	0.2
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	14	0.21	0.05	0.2
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	14	0.21	0.05	0.2
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	14	0.21	0.05	0.2
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	14	0.21	0.05	0.2
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	14	0.21	0.05	0.2
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	14	0.21	0.05	0.2
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	14	0.21	0.05	0.2
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	14	0.21	0.05	0.2
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	1.35	0.66	1.46

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.52	0.2	0.58
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.52	0.2	0.58
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.52	0.2	0.58
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.25	0.06	0.27
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.25	0.06	0.27
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.25	0.06	0.27
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.21	0.03	0.21
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.21	0.03	0.21
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.21	0.03	0.21
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.4	0.11	0.4

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.3	0.07	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.3	0.07	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.3	0.07	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.3	0.07	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.3	0.07	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.3	0.07	0.29
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.23	0.09	0.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	12	0.2	0.08	0.18
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	12	0.2	0.08	0.18
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	12	0.2	0.08	0.18
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	12	0.18	0.06	0.16
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	12	0.18	0.06	0.16
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	12	0.18	0.06	0.16
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	12	0.18	0.06	0.16
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	12	0.18	0.06	0.16
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	12	0.18	0.06	0.16
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	11	0.52	0.21	0.51
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	11	0.52	0.21	0.51
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.52	0.21	0.51
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	11	0.52	0.21	0.51
(1,239)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	11	0.52	0.21	0.51
(1,239)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	11	0.52	0.21	0.51
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	11	0.52	0.21	0.51
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	11	0.52	0.21	0.51
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.52	0.21	0.51
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	11	0.52	0.21	0.51
(1,580)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	11	0.52	0.21	0.51
(1,580)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	11	0.52	0.21	0.51
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	11	0.52	0.21	0.51
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	11	0.52	0.21	0.51
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.52	0.21	0.51
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	11	0.52	0.21	0.51
(1,921)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	11	0.52	0.21	0.51
(1,921)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	11	0.52	0.21	0.51
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.3	0.08	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.3	0.08	0.31

*Continued on next page...*

Continued from previous page...

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.3	0.08	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.3	0.08	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.3	0.08	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.3	0.08	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.3	0.08	0.31
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	11	0.27	0.09	0.29
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	11	0.26	0.13	0.23
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	11	0.26	0.13	0.23
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	11	0.26	0.13	0.23
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	11	0.26	0.13	0.23
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	11	0.26	0.13	0.23
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	11	0.26	0.13	0.23
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.23	0.08	0.22
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.23	0.08	0.22
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.23	0.08	0.22
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.22	0.05	0.22
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.22	0.05	0.22
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.22	0.05	0.22
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.19	0.06	0.19

Continued on next page...

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.28	0.07	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.28	0.07	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.28	0.07	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.28	0.07	0.28

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.28	0.07	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.28	0.07	0.28
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	10	0.25	0.08	0.28
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	10	0.25	0.08	0.28
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	10	0.25	0.08	0.28
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19	0.05	0.18
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19	0.05	0.18
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19	0.05	0.18
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.18	0.07	0.16
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.18	0.07	0.16
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.18	0.07	0.16
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.18	0.07	0.16
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.18	0.07	0.16
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.18	0.07	0.16
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.18	0.06	0.16
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.18	0.06	0.16
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.18	0.06	0.16
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.16	0.04	0.16
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.16	0.04	0.16
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.16	0.04	0.16
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.16	0.04	0.16
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.16	0.04	0.16
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.16	0.04	0.16
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.38	0.15	0.36

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.38	0.15	0.36
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.38	0.15	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.38	0.15	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.38	0.15	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.38	0.15	0.36
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.38	0.15	0.36
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.38	0.15	0.36
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.38	0.15	0.36
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.31	0.14	0.27
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.31	0.14	0.27
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.31	0.14	0.27
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.31	0.14	0.27
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.31	0.14	0.27
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.31	0.14	0.27
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.31	0.14	0.27
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.31	0.14	0.27
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.31	0.14	0.27
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	9	0.27	0.1	0.23
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	9	0.27	0.1	0.23
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	9	0.27	0.1	0.23
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	9	0.27	0.1	0.23
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	9	0.27	0.1	0.23
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	9	0.27	0.1	0.23
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	9	0.27	0.1	0.23
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	9	0.27	0.1	0.23
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	9	0.27	0.1	0.23
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	9	0.27	0.1	0.23
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	9	0.27	0.1	0.23
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	9	0.27	0.1	0.23
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	9	0.27	0.1	0.23
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	9	0.27	0.1	0.23
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	9	0.27	0.1	0.23
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	9	0.27	0.1	0.23
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	9	0.27	0.1	0.23
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	9	0.27	0.1	0.23
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	9	0.25	0.06	0.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	9	0.19	0.06	0.18
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	9	0.19	0.06	0.18
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	9	0.19	0.06	0.18
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.17	0.07	0.13
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.17	0.07	0.13
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.17	0.07	0.13
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.17	0.07	0.13
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.17	0.07	0.13
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.17	0.07	0.13
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.15	0.03	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.15	0.03	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.15	0.03	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.15	0.03	0.14

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.15	0.03	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.15	0.03	0.14
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	8	0.19	0.04	0.2
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.18	0.05	0.16

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.22	0.07	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	6	0.89	0.05	0.89
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	6	0.89	0.05	0.89
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	6	0.89	0.05	0.89
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	6	0.89	0.05	0.89
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	6	0.89	0.05	0.89
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	6	0.89	0.05	0.89
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	6	0.23	0.07	0.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.21	0.1	0.21
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.21	0.1	0.21
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.21	0.1	0.21
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.19	0.07	0.18

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.19	0.07	0.18
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.19	0.07	0.18
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16	0.01	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16	0.01	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16	0.01	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16	0.01	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16	0.01	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16	0.01	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16	0.01	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16	0.01	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16	0.01	0.16
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	6	0.15	0.04	0.16
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	6	0.15	0.04	0.16
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	6	0.15	0.04	0.16
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	6	0.13	0.03	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	6	0.13	0.03	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	6	0.13	0.03	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	6	0.13	0.03	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	6	0.13	0.03	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	6	0.13	0.03	0.12
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.42	0.13	0.39
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.42	0.13	0.39
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.42	0.13	0.39
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	5	0.22	0.13	0.16

*Continued on next page...*

Continued from previous page...

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.19	0.02	0.18
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.19	0.02	0.18
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.19	0.02	0.18
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.19	0.02	0.18
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.19	0.02	0.18
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.19	0.02	0.18
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	5	0.19	0.06	0.18
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	5	0.19	0.06	0.18
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	5	0.19	0.06	0.18
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	5	0.15	0.06	0.14
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	5	0.15	0.06	0.14
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	5	0.15	0.06	0.14
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	5	0.15	0.06	0.14
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	5	0.15	0.06	0.14
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	5	0.15	0.06	0.14
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	5	0.15	0.03	0.13
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	5	0.15	0.03	0.13
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	5	0.15	0.03	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.14	0.02	0.13

Continued on next page...



*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	5	0.13	0.02	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	5	0.13	0.02	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	5	0.13	0.02	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	5	0.13	0.02	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	5	0.13	0.02	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	5	0.13	0.02	0.12
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	5	0.12	0.01	0.12
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	5	0.12	0.01	0.12
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	5	0.12	0.01	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	5	0.12	0.01	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	5	0.12	0.01	0.11
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,199)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.18	0.08	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD2	4	0.17	0.03	0.16
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD3	4	0.17	0.03	0.16
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD2	4	0.17	0.03	0.16
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD3	4	0.17	0.03	0.16
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD2	4	0.17	0.03	0.16
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD3	4	0.17	0.03	0.16
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	4	0.17	0.07	0.14
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	4	0.17	0.07	0.14
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	4	0.17	0.07	0.14
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	4	0.17	0.07	0.14
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	4	0.17	0.07	0.14
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	4	0.17	0.07	0.14
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	4	0.17	0.07	0.14
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	4	0.17	0.07	0.14

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	4	0.17	0.07	0.14
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,371)	1:746:C:ILE:H	1:743:C:ASP:HA	4	0.16	0.02	0.16
(1,712)	1:746:C:ILE:H	1:743:C:ASP:HA	4	0.16	0.02	0.16
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	4	0.16	0.02	0.16
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	4	0.14	0.01	0.14
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	4	0.14	0.01	0.14
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	4	0.14	0.01	0.14
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,280)	1:702:C:LEU:H	1:699:C:PHE:HA	4	0.13	0.02	0.13
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	4	0.13	0.01	0.13
(1,542)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	4	0.13	0.02	0.13
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	4	0.13	0.01	0.13
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,962)	1:702:C:LEU:H	1:699:C:PHE:HA	4	0.13	0.02	0.13
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	4	0.13	0.01	0.13
(2,9)	1:794:B:LYS:O	1:798:B:ASN:H	4	0.12	0.02	0.12
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	4	0.12	0.01	0.12
(2,95)	1:794:B:LYS:O	1:798:B:ASN:H	4	0.12	0.02	0.12
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	4	0.12	0.01	0.12
(2,181)	1:794:B:LYS:O	1:798:B:ASN:H	4	0.12	0.02	0.12
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	4	0.12	0.01	0.12
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	3	0.31	0.04	0.33

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	3	0.31	0.04	0.33
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	3	0.31	0.04	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	3	0.31	0.04	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	3	0.31	0.04	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	3	0.31	0.04	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	3	0.31	0.04	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	3	0.31	0.04	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	3	0.31	0.04	0.33
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.28	0.06	0.29
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.28	0.06	0.29
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.28	0.06	0.29
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.28	0.06	0.29
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.28	0.06	0.29
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.28	0.06	0.29
(1,426)	1:763:C:LEU:HD11	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,426)	1:763:C:LEU:HD12	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,426)	1:763:C:LEU:HD13	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,767)	1:763:C:LEU:HD11	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,767)	1:763:C:LEU:HD12	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,767)	1:763:C:LEU:HD13	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,1108)	1:763:C:LEU:HD11	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,1108)	1:763:C:LEU:HD12	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,1108)	1:763:C:LEU:HD13	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	3	0.17	0.05	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,482)	1:781:C:ILE:H	1:778:C:VAL:HA	3	0.16	0.04	0.17
(1,525)	1:797:C:TRP:H	1:796:C:TRP:HD1	3	0.16	0.04	0.17
(1,823)	1:781:C:ILE:H	1:778:C:VAL:HA	3	0.16	0.04	0.17
(1,866)	1:797:C:TRP:H	1:796:C:TRP:HD1	3	0.16	0.04	0.17
(1,1164)	1:781:C:ILE:H	1:778:C:VAL:HA	3	0.16	0.04	0.17
(1,1207)	1:797:C:TRP:H	1:796:C:TRP:HD1	3	0.16	0.04	0.17
(1,236)	1:692:C:LEU:HD11	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,236)	1:692:C:LEU:HD12	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,236)	1:692:C:LEU:HD13	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,577)	1:692:C:LEU:HD11	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,577)	1:692:C:LEU:HD12	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,577)	1:692:C:LEU:HD13	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,918)	1:692:C:LEU:HD11	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,918)	1:692:C:LEU:HD12	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,918)	1:692:C:LEU:HD13	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,377)	1:746:C:ILE:HD11	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,377)	1:746:C:ILE:HD12	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,377)	1:746:C:ILE:HD13	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,718)	1:746:C:ILE:HD11	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,718)	1:746:C:ILE:HD12	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,718)	1:746:C:ILE:HD13	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,1059)	1:746:C:ILE:HD11	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,1059)	1:746:C:ILE:HD12	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,1059)	1:746:C:ILE:HD13	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG2	3	0.14	0.02	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG3	3	0.14	0.02	0.16
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG2	3	0.14	0.02	0.16
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG3	3	0.14	0.02	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG2	3	0.14	0.02	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG3	3	0.14	0.02	0.16
(1,313)	1:706:C:ASN:H	1:703:C:SER:HA	3	0.14	0.04	0.12
(1,654)	1:706:C:ASN:H	1:703:C:SER:HA	3	0.14	0.04	0.12
(1,995)	1:706:C:ASN:H	1:703:C:SER:HA	3	0.14	0.04	0.12
(1,483)	1:781:C:ILE:H	1:780:C:ARG:HA	3	0.12	0.0	0.12
(1,824)	1:781:C:ILE:H	1:780:C:ARG:HA	3	0.12	0.0	0.12
(1,1165)	1:781:C:ILE:H	1:780:C:ARG:HA	3	0.12	0.0	0.12
(2,62)	1:830:B:ILE:O	1:834:B:GLN:N	3	0.11	0.01	0.11
(2,148)	1:830:B:ILE:O	1:834:B:GLN:N	3	0.11	0.01	0.11
(2,234)	1:830:B:ILE:O	1:834:B:GLN:N	3	0.11	0.01	0.11
(1,419)	1:759:C:ASP:H	1:759:C:ASP:HB3	2	0.37	0.24	0.37
(1,760)	1:759:C:ASP:H	1:759:C:ASP:HB3	2	0.37	0.24	0.37
(1,1101)	1:759:C:ASP:H	1:759:C:ASP:HB3	2	0.37	0.24	0.37
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD2	2	0.23	0.08	0.23
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD3	2	0.23	0.08	0.23
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD2	2	0.23	0.08	0.23
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD3	2	0.23	0.08	0.23
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD2	2	0.23	0.08	0.23
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD3	2	0.23	0.08	0.23
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	2	0.22	0.02	0.22
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	2	0.22	0.02	0.22
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	2	0.22	0.02	0.22
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	2	0.22	0.02	0.22
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	2	0.22	0.02	0.22
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	2	0.22	0.02	0.22
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	2	0.22	0.02	0.22

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,413)	1:755:C:LEU:H	1:756:C:ILE:H	2	0.18	0.01	0.18
(1,754)	1:755:C:LEU:H	1:756:C:ILE:H	2	0.18	0.01	0.18
(1,1095)	1:755:C:LEU:H	1:756:C:ILE:H	2	0.18	0.01	0.18
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD11	2	0.18	0.03	0.18
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD12	2	0.18	0.03	0.18
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD13	2	0.18	0.03	0.18
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD11	2	0.18	0.03	0.18
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD12	2	0.18	0.03	0.18
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD13	2	0.18	0.03	0.18
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD11	2	0.18	0.03	0.18
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD12	2	0.18	0.03	0.18
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD13	2	0.18	0.03	0.18
(2,11)	1:795:B:TYR:O	1:799:B:LEU:H	2	0.16	0.01	0.16
(2,97)	1:795:B:TYR:O	1:799:B:LEU:H	2	0.16	0.01	0.16
(2,183)	1:795:B:TYR:O	1:799:B:LEU:H	2	0.16	0.01	0.16
(1,273)	1:700:C:ALA:HB1	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,273)	1:700:C:ALA:HB2	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,273)	1:700:C:ALA:HB3	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,614)	1:700:C:ALA:HB1	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,614)	1:700:C:ALA:HB2	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,614)	1:700:C:ALA:HB3	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,955)	1:700:C:ALA:HB1	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,955)	1:700:C:ALA:HB2	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,955)	1:700:C:ALA:HB3	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	2	0.15	0.03	0.15

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,407)	1:754:C:ALA:HB1	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,407)	1:754:C:ALA:HB2	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,407)	1:754:C:ALA:HB3	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB1	2	0.14	0.03	0.14
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB2	2	0.14	0.03	0.14
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB3	2	0.14	0.03	0.14
(1,748)	1:754:C:ALA:HB1	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,748)	1:754:C:ALA:HB2	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,748)	1:754:C:ALA:HB3	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB1	2	0.14	0.03	0.14
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB2	2	0.14	0.03	0.14
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB3	2	0.14	0.03	0.14
(1,1089)	1:754:C:ALA:HB1	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,1089)	1:754:C:ALA:HB2	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,1089)	1:754:C:ALA:HB3	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB1	2	0.14	0.03	0.14
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB2	2	0.14	0.03	0.14
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB3	2	0.14	0.03	0.14
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(2,24)	1:801:B:GLN:O	1:805:B:GLN:N	2	0.12	0.01	0.12
(2,110)	1:801:B:GLN:O	1:805:B:GLN:N	2	0.12	0.01	0.12
(2,196)	1:801:B:GLN:O	1:805:B:GLN:N	2	0.12	0.01	0.12
(1,247)	1:695:C:LEU:H	1:691:C:SER:HA	2	0.12	0.02	0.12

*Continued on next page...*

*Continued from previous page...*

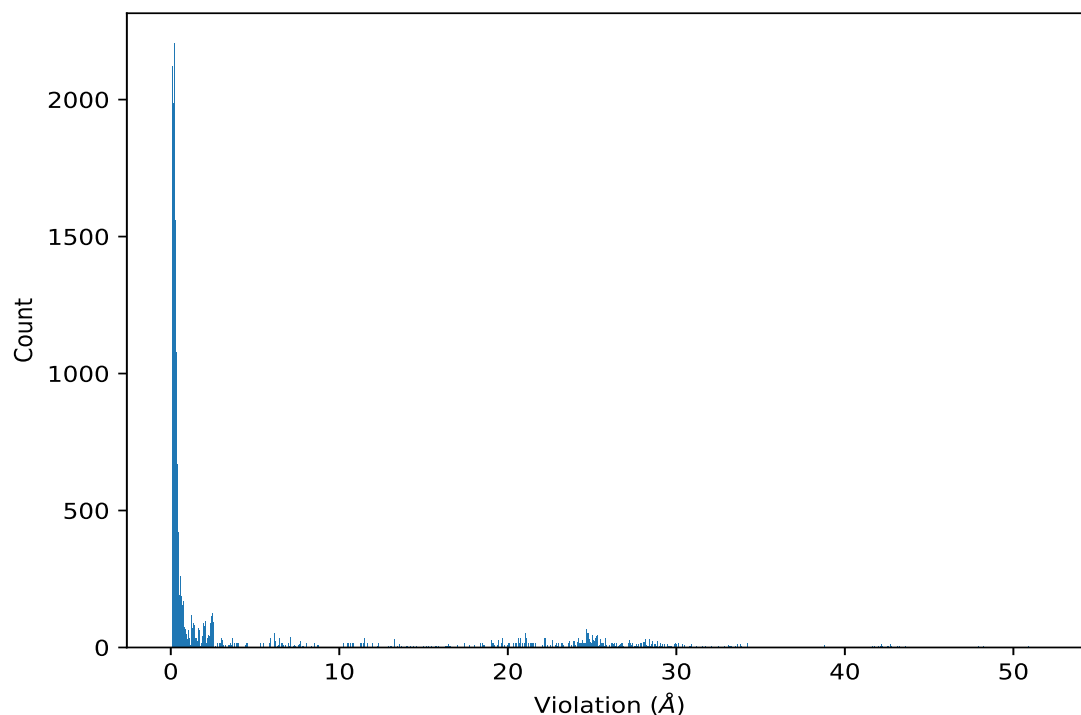
Key	Atom-1	Atom-2	Models <sup>1</sup>	Mean (Å)	SD <sup>1</sup> (Å)	Median (Å)
(1,588)	1:695:C:LEU:H	1:691:C:SER:HA	2	0.12	0.02	0.12
(1,929)	1:695:C:LEU:H	1:691:C:SER:HA	2	0.12	0.02	0.12
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,956)	1:700:C:ALA:HB1	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,956)	1:700:C:ALA:HB1	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,956)	1:700:C:ALA:HB2	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,956)	1:700:C:ALA:HB2	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,956)	1:700:C:ALA:HB3	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,956)	1:700:C:ALA:HB3	1:703:C:SER:HB3	2	0.12	0.0	0.12
(2,56)	1:827:B:ASP:O	1:831:B:GLU:N	2	0.12	0.0	0.12
(2,142)	1:827:B:ASP:O	1:831:B:GLU:N	2	0.12	0.0	0.12
(2,228)	1:827:B:ASP:O	1:831:B:GLU:N	2	0.12	0.0	0.12
(1,224)	1:686:C:ILE:HD11	1:685:C:PHE:H	2	0.11	0.0	0.11
(1,224)	1:686:C:ILE:HD12	1:685:C:PHE:H	2	0.11	0.0	0.11
(1,224)	1:686:C:ILE:HD13	1:685:C:PHE:H	2	0.11	0.0	0.11
(1,344)	1:709:C:ARG:HE	1:709:C:ARG:H	2	0.11	0.0	0.11
(1,565)	1:686:C:ILE:HD11	1:685:C:PHE:H	2	0.11	0.0	0.11
(1,565)	1:686:C:ILE:HD12	1:685:C:PHE:H	2	0.11	0.0	0.11
(1,565)	1:686:C:ILE:HD13	1:685:C:PHE:H	2	0.11	0.0	0.11
(1,685)	1:709:C:ARG:HE	1:709:C:ARG:H	2	0.11	0.0	0.11
(1,906)	1:686:C:ILE:HD11	1:685:C:PHE:H	2	0.11	0.0	0.11
(1,906)	1:686:C:ILE:HD12	1:685:C:PHE:H	2	0.11	0.0	0.11
(1,906)	1:686:C:ILE:HD13	1:685:C:PHE:H	2	0.11	0.0	0.11
(1,1026)	1:709:C:ARG:HE	1:709:C:ARG:H	2	0.11	0.0	0.11

<sup>1</sup>Number of violated models, <sup>2</sup>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)
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	12	52.15
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	12	52.15
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	12	52.15
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	13	51.87
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	13	51.87
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	13	51.87
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	1	51.47
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	1	51.47
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	1	51.47
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	9	51.27

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	9	51.27
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	9	51.27
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	2	51.14
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	2	51.14
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	2	51.14
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	8	51.09
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	8	51.09
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	8	51.09
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	6	51.02
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	6	51.02
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	6	51.02
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	10	50.99
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	10	50.99
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	10	50.99
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	5	50.88
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	5	50.88
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	5	50.88
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	14	50.85
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	14	50.85
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	14	50.85
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	7	50.65
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	7	50.65
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	7	50.65
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	11	50.43
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	11	50.43
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	11	50.43
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	15	50.33
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	15	50.33
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	15	50.33
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	4	50.23
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	4	50.23
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	4	50.23
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	3	49.94
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	3	49.94
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	3	49.94
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	12	49.84
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	12	49.84
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	12	49.84
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	13	49.44
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	13	49.44
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	13	49.44
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	1	48.92

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	1	48.92
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	1	48.92
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	6	48.65
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	6	48.65
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	6	48.65
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	2	48.56
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	2	48.56
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	2	48.56
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	14	48.41
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	14	48.41
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	14	48.41
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	10	48.33
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	10	48.33
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	10	48.33
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	8	48.22
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	8	48.22
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	8	48.22
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	11	48.21
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	11	48.21
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	11	48.21
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	5	48.03
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	5	48.03
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	5	48.03
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	4	47.97
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	4	47.97
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	4	47.97
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	3	47.94
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	15	47.94
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	3	47.94
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	15	47.94
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	3	47.94
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	15	47.94
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	7	47.86
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	7	47.86
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	7	47.86
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	9	47.75
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	9	47.75
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	9	47.75
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	12	43.57
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	12	43.57
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	12	43.57
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	12	43.57

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	12	43.57
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	12	43.57
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	13	43.24
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	13	43.24
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	13	43.24
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	13	43.24
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	13	43.24
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	13	43.24
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	1	43.1
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	1	43.1
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	1	43.1
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	1	43.1
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	1	43.1
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	1	43.1
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	3	42.79
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	3	42.79
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	3	42.79
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	3	42.79
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	3	42.79
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	3	42.79
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	15	42.74
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	15	42.74
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	15	42.74
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	15	42.74
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	15	42.74
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	15	42.74
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	6	42.72
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	6	42.72
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	6	42.72
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	6	42.72
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	6	42.72
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	6	42.72
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	7	42.57
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	7	42.57
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	7	42.57
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	7	42.57
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	7	42.57
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	7	42.57
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	11	42.5
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	11	42.5
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	11	42.5
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	11	42.5

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	11	42.5
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	11	42.5
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	8	42.22
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	8	42.22
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	8	42.22
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	8	42.22
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	8	42.22
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	8	42.22
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	5	42.18
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	5	42.18
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	5	42.18
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	5	42.18
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	5	42.18
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	5	42.18
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	2	42.16
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	2	42.16
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	2	42.16
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	2	42.16
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	2	42.16
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	2	42.16
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	4	42.14
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	4	42.14
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	4	42.14
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	4	42.14
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	4	42.14
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	4	42.14
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	10	41.95
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	10	41.95
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	10	41.95
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	10	41.95
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	10	41.95
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	10	41.95
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	14	41.79
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	14	41.79
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	14	41.79
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	14	41.79
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	14	41.79
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	14	41.79
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	9	41.64
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	9	41.64
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	9	41.64
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	9	41.64

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	9	41.64
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	9	41.64
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	3	40.08
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	3	40.08
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	3	40.08
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	6	40.0
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	6	40.0
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	6	40.0
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	15	39.51
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	15	39.51
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	15	39.51
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	4	39.4
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	4	39.4
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	4	39.4
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	11	39.31
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	11	39.31
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	11	39.31
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	13	39.07
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	13	39.07
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	13	39.07
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	10	38.93
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	10	38.93
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	10	38.93
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	2	38.8
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	2	38.8
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	2	38.8
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	1	38.79
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	5	38.79
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	12	38.79
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	1	38.79
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	5	38.79
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	12	38.79
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	1	38.79
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	5	38.79
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	12	38.79
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	9	38.32
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	9	38.32
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	9	38.32
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	14	38.16
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	14	38.16
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	14	38.16
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	8	38.08

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	8	38.08
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	8	38.08
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	7	37.83
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	7	37.83
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	7	37.83
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	1	34.24
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	1	34.24
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	1	34.24
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	5	34.22
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	5	34.22
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	5	34.22
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	5	34.22
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	5	34.22
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	5	34.22
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	3	34.21
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	3	34.21
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	3	34.21
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	3	34.21
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	3	34.21
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	3	34.21
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	6	33.88
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	6	33.88
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	6	33.88
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	6	33.88
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	6	33.88
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	6	33.88
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	12	33.84
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	12	33.84
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	15	33.84
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	15	33.84
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	12	33.84
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	12	33.84
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	15	33.84
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	15	33.84
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	12	33.84
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	12	33.84
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	15	33.84
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	15	33.84
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	4	33.63
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	4	33.63
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	4	33.63
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	4	33.63

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	4	33.63
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	4	33.63
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	11	33.62
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	11	33.62
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	11	33.62
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	11	33.62
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	11	33.62
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	11	33.62
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	1	33.5
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	1	33.5
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	1	33.5
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	1	33.5
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	1	33.5
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	1	33.5
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	2	33.28
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	2	33.28
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	2	33.28
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	2	33.28
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	2	33.28
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	2	33.28
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	7	33.2
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	7	33.2
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	7	33.2
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	7	33.2
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	7	33.2
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	7	33.2
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	10	33.16
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	10	33.16
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	10	33.16
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	10	33.16
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	10	33.16
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	10	33.16
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	14	33.06
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	14	33.06
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	14	33.06
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	14	33.06
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	14	33.06
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	14	33.06
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	10	33.06
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	10	33.06
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	10	33.06
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	13	32.91

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	13	32.91
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	13	32.91
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	13	32.85
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	13	32.85
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	13	32.85
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	13	32.85
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	13	32.85
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	13	32.85
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	8	32.47
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	8	32.47
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	8	32.47
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	8	32.47
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	8	32.47
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	8	32.47
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	8	32.42
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	8	32.42
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	8	32.42
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	2	32.3
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	2	32.3
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	2	32.3
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	9	32.05
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	9	32.05
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	9	32.05
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	9	32.05
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	9	32.05
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	9	32.05
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	3	31.73
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	3	31.73
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	3	31.73
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	11	31.7
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	11	31.7
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	11	31.7
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	6	31.58
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	6	31.58
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	6	31.58
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	10	31.51
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	10	31.51
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	10	31.51
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	10	31.51
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	10	31.51
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	10	31.51
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	7	31.42

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	7	31.42
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	7	31.42
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	8	31.2
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	8	31.2
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	8	31.2
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	8	31.2
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	8	31.2
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	8	31.2
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	12	31.17
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	12	31.17
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	12	31.17
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	5	31.13
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	5	31.13
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	5	31.13
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	14	30.98
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	14	30.98
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	14	30.98
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	2	30.92
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	2	30.92
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	2	30.92
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	2	30.92
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	2	30.92
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	2	30.92
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	13	30.9
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	13	30.9
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	13	30.9
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	13	30.9
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	13	30.9
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	13	30.9
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	15	30.85
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	15	30.85
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	15	30.85
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	10	30.82
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	10	30.82
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	10	30.82
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	10	30.82
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	10	30.82
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	10	30.82
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	1	30.77
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	1	30.77
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	1	30.77
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	1	30.77

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	1	30.77
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	1	30.77
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	9	30.74
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	9	30.74
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	9	30.74
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	4	30.49
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	4	30.49
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	4	30.49
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	8	30.47
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	8	30.47
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	8	30.47
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	8	30.47
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	8	30.47
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	8	30.47
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	8	30.39
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	8	30.39
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	8	30.39
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	8	30.39
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	8	30.39
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	8	30.39
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	10	30.36
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	10	30.36
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	10	30.36
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	10	30.36
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	10	30.36
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	10	30.36
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	3	30.11
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	3	30.11
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	3	30.11
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	3	30.11
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	3	30.11
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	3	30.11
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	7	30.1
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	7	30.1
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	7	30.1
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	7	30.1
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	7	30.1
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	7	30.1
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	13	30.1
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	13	30.1
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	13	30.1
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	13	30.1

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	13	30.1
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	13	30.1
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	3	30.04
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	3	30.04
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	3	30.04
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	3	30.04
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	3	30.04
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	3	30.04
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	5	30.02
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	5	30.02
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	5	30.02
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	5	30.02
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	5	30.02
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	5	30.02
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	7	29.99
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	7	29.99
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	14	29.99
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	14	29.99
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	7	29.99
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	7	29.99
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	14	29.99
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	14	29.99
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	7	29.99
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	7	29.99
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	14	29.99
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	14	29.99
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	13	29.97
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	13	29.97
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	13	29.97
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	13	29.97
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	13	29.97
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	13	29.97
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	2	29.91
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	2	29.91
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	2	29.91
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	2	29.91
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	2	29.91
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	2	29.91
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	5	29.87
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	5	29.87
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	5	29.87
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	5	29.87

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	5	29.87
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	5	29.87
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	3	29.85
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	3	29.85
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	3	29.85
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	3	29.85
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	3	29.85
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	3	29.85
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	14	29.72
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	14	29.72
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	14	29.72
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	14	29.72
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	14	29.72
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	14	29.72
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	7	29.65
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	7	29.65
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	7	29.65
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	7	29.65
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	7	29.65
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	7	29.65
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	2	29.63
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	2	29.63
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	2	29.63
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	2	29.63
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	2	29.63
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	2	29.63
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	1	29.55
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	1	29.55
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	1	29.55
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	1	29.55
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	1	29.55
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	1	29.55
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	13	29.5
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	13	29.5
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	13	29.5
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	13	29.5
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	13	29.5
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	13	29.5
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	12	29.49
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	12	29.49
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	12	29.49
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	12	29.49

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	12	29.49
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	12	29.49
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	12	29.47
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	12	29.47
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	12	29.47
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	12	29.47
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	12	29.47
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	12	29.47
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	6	29.26
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	6	29.26
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	6	29.26
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	6	29.26
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	6	29.26
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	6	29.26
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	11	29.25
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	11	29.25
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	11	29.25
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	11	29.25
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	11	29.25
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	11	29.25
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	8	29.16
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	8	29.16
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	8	29.16
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	8	29.16
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	8	29.16
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	8	29.16
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	9	29.15
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	9	29.15
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	9	29.15
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	9	29.15
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	9	29.15
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	9	29.15
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	15	29.13
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	15	29.13
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	15	29.13
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	15	29.13
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	15	29.13
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	15	29.13
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	1	29.09
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	1	29.09
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	1	29.09
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	1	29.09

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	1	29.09
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	1	29.09
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	6	29.08
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	6	29.08
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	6	29.08
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	6	29.08
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	6	29.08
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	6	29.08
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	15	29.05
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	15	29.05
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	15	29.05
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	15	29.05
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	15	29.05
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	15	29.05
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	15	29.01
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	15	29.01
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	15	29.01
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	15	29.01
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	15	29.01
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	15	29.01
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	4	28.97
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	4	28.97
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	4	28.97
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	4	28.97
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	4	28.97
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	4	28.97
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	11	28.88
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	11	28.88
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	11	28.88
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	11	28.88
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	11	28.88
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	11	28.88
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	14	28.87
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	14	28.87
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	14	28.87
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	14	28.87
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	14	28.87
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	14	28.87
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	1	28.85
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	1	28.85
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	1	28.85
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	1	28.85

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	1	28.85
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	1	28.85
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	10	28.85
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	10	28.85
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	10	28.85
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	10	28.85
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	10	28.85
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	10	28.85
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	6	28.8
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	6	28.8
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	6	28.8
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	6	28.8
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	6	28.8
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	6	28.8
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	11	28.78
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	11	28.78
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	11	28.78
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	11	28.78
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	11	28.78
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	11	28.78
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	6	28.75
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	6	28.75
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	6	28.75
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	6	28.75
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	6	28.75
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	6	28.75
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	9	28.74
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	9	28.74
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	9	28.74
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	9	28.74
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	9	28.74
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	9	28.74
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	15	28.74
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	15	28.74
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	15	28.74
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	15	28.74
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	15	28.74
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	15	28.74
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	4	28.69
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	4	28.69
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	4	28.69
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	4	28.69

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	4	28.69
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	4	28.69
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	5	28.69
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	5	28.69
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	5	28.69
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	5	28.69
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	5	28.69
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	5	28.69
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	2	28.59
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	2	28.59
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	2	28.59
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	2	28.59
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	2	28.59
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	2	28.59
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	1	28.58
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	1	28.58
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	1	28.58
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	1	28.58
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	1	28.58
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	1	28.58
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	3	28.55
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	3	28.55
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	11	28.55
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	11	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	3	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	3	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	11	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	11	28.55
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	3	28.55
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	3	28.55
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	11	28.55
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	11	28.55
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	5	28.51
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	5	28.51
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	5	28.51
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	5	28.51
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	5	28.51
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	5	28.51
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	10	28.51
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	10	28.51
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	10	28.51
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	10	28.51

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	10	28.51
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	10	28.51
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	1	28.45
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	1	28.45
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	1	28.45
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	1	28.45
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	1	28.45
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	1	28.45
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	8	28.43
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	8	28.43
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	8	28.43
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	8	28.43
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	8	28.43
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	8	28.43
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	8	28.43
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	8	28.43
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	8	28.43
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	10	28.43
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	10	28.43
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	10	28.43
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	10	28.43
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	10	28.43
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	10	28.43
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	10	28.43
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	10	28.43
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	10	28.43
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	4	28.42
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	4	28.42
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	4	28.42
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	4	28.42
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	4	28.42
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	4	28.42
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	9	28.4
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	9	28.4
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	9	28.4
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	9	28.4
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	9	28.4
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	9	28.4
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	12	28.39
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	12	28.39
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	12	28.39
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	12	28.39

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	12	28.39
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	12	28.39
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	2	28.34
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	2	28.34
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	2	28.34
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	2	28.34
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	2	28.34
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	2	28.34
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	9	28.26
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	9	28.26
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	9	28.26
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	9	28.26
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	9	28.26
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	9	28.26
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	3	28.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	3	28.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	3	28.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	3	28.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	3	28.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	3	28.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	3	28.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	3	28.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	3	28.23
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	7	28.19
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	7	28.19
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	7	28.19
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	7	28.19
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	7	28.19
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	7	28.19
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	7	28.19
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	7	28.19
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	7	28.19
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	8	28.17
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	8	28.17
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	8	28.17
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	8	28.17
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	8	28.17
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	8	28.17
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	8	28.17
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	8	28.17
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	8	28.17
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	13	28.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	13	28.16
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	13	28.16
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	13	28.16
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	13	28.16
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	13	28.16
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	12	28.16
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	12	28.16
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	12	28.16
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	12	28.16
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	12	28.16
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	12	28.16
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	12	28.14
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	12	28.14
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	12	28.14
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	12	28.14
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	12	28.14
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	12	28.14
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	3	28.12
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	3	28.12
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	3	28.12
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	3	28.12
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	3	28.12
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	3	28.12
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	2	28.11
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	2	28.11
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	2	28.11
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	2	28.11
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	2	28.11
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	2	28.11
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	2	28.11
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	2	28.11
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	2	28.11
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	8	28.08
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	8	28.08
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	8	28.08
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	8	28.08
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	8	28.08
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	8	28.08
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	7	28.07
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	7	28.07
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	7	28.07
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	7	28.07

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	7	28.07
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	7	28.07
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	7	28.07
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	7	28.07
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	7	28.07
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	13	28.06
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	13	28.06
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	13	28.06
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	13	28.06
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	13	28.06
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	13	28.06
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	5	28.0
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	5	28.0
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	5	28.0
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	5	28.0
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	5	28.0
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	5	28.0
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	5	28.0
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	5	28.0
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	5	28.0
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	8	27.91
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	8	27.91
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	8	27.91
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	8	27.91
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	8	27.91
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	8	27.91
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	14	27.91
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	14	27.91
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	14	27.91
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	14	27.91
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	14	27.91
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	14	27.91
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	14	27.91
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	14	27.91
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	14	27.91
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	4	27.89
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	4	27.89
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	4	27.89
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	4	27.89
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	4	27.89
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	4	27.89
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	13	27.89

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	13	27.89
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	13	27.89
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	13	27.89
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	13	27.89
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	13	27.89
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	13	27.89
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	13	27.89
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	13	27.89
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	6	27.72
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	6	27.72
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	6	27.72
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	6	27.72
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	6	27.72
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	6	27.72
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	11	27.71
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	11	27.71
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	11	27.71
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	11	27.71
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	11	27.71
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	11	27.71
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	14	27.66
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	14	27.66
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	14	27.66
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	14	27.66
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	14	27.66
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	14	27.66
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	10	27.62
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	10	27.62
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	10	27.62
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	10	27.62
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	10	27.62
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	10	27.62
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	7	27.62
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	7	27.62
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	7	27.62
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	7	27.62
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	7	27.62
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	7	27.62
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	15	27.57
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	15	27.57
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	15	27.57
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	15	27.57

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	15	27.57
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	15	27.57
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	9	27.54
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	9	27.54
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	9	27.54
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	9	27.54
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	9	27.54
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	9	27.54
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	4	27.38
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	4	27.38
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	4	27.38
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	4	27.38
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	4	27.38
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	4	27.38
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	4	27.38
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	4	27.38
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	4	27.38
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	27.38
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	27.38
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	27.38
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	27.38
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	27.38
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	27.38
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	27.38
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	27.38
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	27.38
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	3	27.34
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	3	27.34
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	3	27.34
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	3	27.34
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	3	27.34
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	3	27.34
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	3	27.34
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	3	27.34
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	3	27.34
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	10	27.29
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	10	27.29
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	10	27.29
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	10	27.29
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	10	27.29
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	10	27.29
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	10	27.29

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	10	27.29
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	10	27.29
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	27.29
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	27.29
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	27.29
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	27.29
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	27.29
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	27.29
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	27.29
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	27.29
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	27.29
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	2	27.23
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	2	27.23
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	2	27.23
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	2	27.23
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	2	27.23
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	2	27.23
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	4	27.23
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	4	27.23
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	4	27.23
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	4	27.23
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	4	27.23
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	4	27.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	1	27.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	1	27.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	1	27.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	1	27.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	1	27.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	1	27.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	1	27.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	1	27.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	1	27.23
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	3	27.21
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	3	27.21
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	3	27.21
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	3	27.21
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	3	27.21
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	3	27.21
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	4	27.19
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	4	27.19
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	4	27.19
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	4	27.19

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	4	27.19
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	4	27.19
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	4	27.19
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	4	27.19
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	4	27.19
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	11	27.15
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	11	27.15
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	11	27.15
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	11	27.15
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	11	27.15
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	11	27.15
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	11	27.15
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	11	27.15
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	11	27.15
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	5	26.88
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	5	26.88
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	5	26.88
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	5	26.88
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	5	26.88
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	5	26.88
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	6	26.81
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	6	26.81
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	6	26.81
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	6	26.81
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	6	26.81
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	6	26.81
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	6	26.81
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	6	26.81
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	6	26.81
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	7	26.8
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	7	26.8
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	7	26.8
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	7	26.8
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	7	26.8
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	7	26.8
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	11	26.73
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	11	26.73
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	11	26.73
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	11	26.73
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	11	26.73
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	11	26.73
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	9	26.71

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	9	26.71
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	9	26.71
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	9	26.71
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	9	26.71
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	9	26.71
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	9	26.71
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	9	26.71
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	9	26.71
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	12	26.66
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	12	26.66
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	12	26.66
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	12	26.66
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	12	26.66
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	12	26.66
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	14	26.65
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	14	26.65
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	14	26.65
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	14	26.65
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	14	26.65
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	14	26.65
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	12	26.64
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	12	26.64
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	12	26.64
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	12	26.64
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	12	26.64
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	12	26.64
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	12	26.64
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	12	26.64
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	12	26.64
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	15	26.57
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	15	26.57
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	15	26.57
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	15	26.57
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	15	26.57
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	15	26.57
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	6	26.45
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	6	26.45
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	6	26.45
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	6	26.45
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	6	26.45
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	6	26.45
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	10	26.45

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	10	26.45
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	10	26.45
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	10	26.45
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	10	26.45
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	10	26.45
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	10	26.45
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	10	26.45
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	10	26.45
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	13	26.44
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	13	26.44
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	13	26.44
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	13	26.44
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	13	26.44
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	13	26.44
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	13	26.44
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	13	26.44
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	13	26.44
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	9	26.39
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	9	26.39
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	9	26.39
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	9	26.39
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	9	26.39
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	9	26.39
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	5	26.31
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	5	26.31
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	5	26.31
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	5	26.31
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	5	26.31
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	5	26.31
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	14	26.3
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	14	26.3
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	14	26.3
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	14	26.3
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	14	26.3
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	14	26.3
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	14	26.3
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	14	26.3
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	14	26.3
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	7	26.29
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	7	26.29
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	7	26.29
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	7	26.29

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	7	26.29
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	7	26.29
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	8	26.28
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	8	26.28
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	8	26.28
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	8	26.28
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	8	26.28
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	8	26.28
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	5	26.23
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	5	26.23
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	5	26.23
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	5	26.23
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	5	26.23
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	5	26.23
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	5	26.23
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	5	26.23
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	5	26.23
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	14	26.22
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	14	26.22
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	14	26.22
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	14	26.22
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	14	26.22
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	14	26.22
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	4	26.19
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	4	26.19
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	4	26.19
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	4	26.19
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	4	26.19
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	4	26.19
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	11	26.17
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	11	26.17
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	11	26.17
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	11	26.17
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	11	26.17
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	11	26.17
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	11	26.17
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	11	26.17
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	11	26.17
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	2	26.02
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	2	26.02
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	2	26.02
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	2	26.02

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	2	26.02
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	2	26.02
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	2	26.02
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	2	26.02
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	2	26.02
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	1	25.85
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	1	25.85
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	1	25.85
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	1	25.85
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	1	25.85
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	1	25.85
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	1	25.85
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	1	25.85
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	1	25.85
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	10	25.82
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	10	25.82
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	10	25.82
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	10	25.82
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	10	25.82
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	10	25.82
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	10	25.82
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	10	25.82
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	10	25.82
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	10	25.82
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	10	25.82
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	10	25.82
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	10	25.82
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	10	25.82
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	10	25.82
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	10	25.82
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	10	25.82
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	10	25.82
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	1	25.81
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	1	25.81
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	1	25.81
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	1	25.81
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	1	25.81
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	1	25.81
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	1	25.81
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	1	25.81
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	1	25.81
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	1	25.81

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	1	25.81
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	1	25.81
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	1	25.81
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	1	25.81
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	1	25.81
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	1	25.81
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	1	25.81
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	1	25.81
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	7	25.71
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	7	25.71
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	7	25.71
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	7	25.71
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	7	25.71
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	7	25.71
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	14	25.67
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	14	25.67
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	14	25.67
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	14	25.67
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	14	25.67
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	14	25.67
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	14	25.67
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	14	25.67
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	14	25.67
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	14	25.67
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	14	25.67
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	14	25.67
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	14	25.67
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	14	25.67
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	14	25.67
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	14	25.67
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	14	25.67
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	14	25.67
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	5	25.63
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	5	25.63
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	5	25.63
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	5	25.63
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	5	25.63
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	5	25.63
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	5	25.63
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	5	25.63
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	5	25.63
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	5	25.63

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	5	25.63
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	5	25.63
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	5	25.63
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	5	25.63
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	5	25.63
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	5	25.63
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	5	25.63
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	5	25.63
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	8	25.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	8	25.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	8	25.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	8	25.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	8	25.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	8	25.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	8	25.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	8	25.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	8	25.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	8	25.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	8	25.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	8	25.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	8	25.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	8	25.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	8	25.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	8	25.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	8	25.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	8	25.57
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	3	25.53
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	3	25.53
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	3	25.53
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	3	25.53
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	3	25.53
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	3	25.53
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	3	25.53
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	3	25.53
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	3	25.53
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	12	25.47
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	12	25.47
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	12	25.47
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	12	25.47
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	12	25.47
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	12	25.47
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	12	25.47

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	12	25.47
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	12	25.47
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	12	25.47
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	12	25.47
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	12	25.47
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	12	25.47
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	12	25.47
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	12	25.47
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	12	25.47
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	12	25.47
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	12	25.47
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	13	25.47
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	13	25.47
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	13	25.47
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	13	25.47
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	13	25.47
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	13	25.47
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	1	25.45
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	1	25.45
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	1	25.45
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	1	25.45
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	1	25.45
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	1	25.45
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	1	25.41
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	1	25.41
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	1	25.41
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	1	25.41
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	1	25.41
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	1	25.41
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	1	25.41
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	1	25.41
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	1	25.41
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	5	25.39
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	5	25.39
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	5	25.39
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	5	25.39
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	5	25.39
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	5	25.39
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	8	25.34
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	8	25.34
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	8	25.34
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	8	25.34

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	8	25.34
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	8	25.34
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	8	25.34
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	8	25.34
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	8	25.34
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	25.32
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	25.32
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	25.32
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	25.32
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	25.32
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	25.32
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	25.32
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	25.32
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	25.32
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	25.32
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	25.32
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	25.32
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	25.32
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	25.32
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	25.32
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	25.32
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	25.32
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	25.32
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	13	25.3
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	13	25.3
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	13	25.3
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	13	25.3
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	13	25.3
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	13	25.3
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	13	25.3
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	13	25.3
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	13	25.3
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	2	25.3
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	2	25.3
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	2	25.3
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	2	25.3
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	2	25.3
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	2	25.3
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	2	25.3
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	2	25.3
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	2	25.3
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	4	25.27

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	4	25.27
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	4	25.27
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	4	25.27
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	4	25.27
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	4	25.27
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	4	25.27
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	4	25.27
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	4	25.27
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	4	25.27
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	4	25.27
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	4	25.27
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	4	25.27
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	4	25.27
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	4	25.27
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	4	25.27
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	4	25.27
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	4	25.27
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	7	25.25
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	7	25.25
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	7	25.25
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	7	25.25
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	7	25.25
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	7	25.25
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	7	25.25
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	7	25.25
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	7	25.25
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	7	25.25
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	7	25.25
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	7	25.25
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	7	25.25
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	7	25.25
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	7	25.25
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	7	25.25
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	7	25.25
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	7	25.25
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	25.25
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	25.25
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	25.25
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	25.25
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	25.25
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	25.25
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	12	25.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	12	25.24
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	12	25.24
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	12	25.24
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	12	25.24
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	12	25.24
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	12	25.23
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	12	25.23
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	12	25.23
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	12	25.23
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	12	25.23
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	12	25.23
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	11	25.2
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	11	25.2
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	11	25.2
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	11	25.2
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	11	25.2
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	11	25.2
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	11	25.2
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	11	25.2
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	11	25.2
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	9	25.16
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	9	25.16
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	9	25.16
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	9	25.16
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	9	25.16
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	9	25.16
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	9	25.16
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	9	25.16
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	9	25.16
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	6	25.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	6	25.15
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	6	25.15
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	6	25.15
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	6	25.15
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	6	25.15
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	6	25.15
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	6	25.15
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	6	25.15
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	6	25.15
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	6	25.15
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	6	25.15
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	6	25.15
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	6	25.15
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	6	25.15
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	6	25.15
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	6	25.15
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	6	25.15
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	6	25.12
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	6	25.12
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	6	25.12
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	6	25.12
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	6	25.12
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	6	25.12
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	8	25.11
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	8	25.11
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	8	25.11
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	8	25.11
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	8	25.11
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	8	25.11
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	8	25.11
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	8	25.11
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	8	25.11
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	8	25.11
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	8	25.11
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	8	25.11
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	8	25.11
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	8	25.11
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	8	25.11
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	8	25.11
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	8	25.11
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	8	25.11
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	2	25.05

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	2	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	2	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	2	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	2	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	2	25.05
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	7	25.05
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	7	25.05
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	7	25.05
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	7	25.05
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	7	25.05
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	7	25.05
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	7	25.05
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	7	25.05
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	7	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	7	25.04

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	7	25.04
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	12	25.03
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	12	25.03
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	12	25.03
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	12	25.03
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	12	25.03
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	12	25.03
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	12	25.03
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	12	25.03
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	12	25.03
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	3	25.0
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	4	24.98
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	4	24.98
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	4	24.98
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	4	24.98
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	4	24.98
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	4	24.98
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	1	24.97
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	1	24.97
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	14	24.97
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	14	24.97
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	1	24.97
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	1	24.97
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	14	24.97

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	14	24.97
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	1	24.97
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	1	24.97
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	14	24.97
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	14	24.97
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	9	24.93
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	9	24.93
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	9	24.93
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	9	24.93
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	9	24.93
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	9	24.93
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	9	24.93
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	9	24.93
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	9	24.93
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	6	24.93
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	6	24.93
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	6	24.93
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	6	24.93
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	6	24.93
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	6	24.93
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	10	24.9
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	10	24.9
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	10	24.9
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	10	24.9
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	10	24.9
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	10	24.9
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	2	24.88
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	2	24.88
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	2	24.88
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	2	24.88
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	2	24.88
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	2	24.88
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	2	24.88
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	2	24.88
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	2	24.88
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	2	24.88
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	2	24.88
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	2	24.88
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	2	24.88
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	2	24.88
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	2	24.88
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	2	24.88

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	2	24.88
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	2	24.88
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	11	24.88
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	11	24.88
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	11	24.88
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	11	24.88
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	11	24.88
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	11	24.88
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	4	24.86
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	4	24.86
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	4	24.86
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	4	24.86
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	4	24.86
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	4	24.86
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	13	24.84
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	13	24.84
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	13	24.84
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	13	24.84
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	13	24.84
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	13	24.84
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	13	24.84
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	13	24.84
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	13	24.84
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	13	24.84
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	13	24.84
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	13	24.84
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	13	24.84
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	13	24.84
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	13	24.84
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	13	24.84
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	13	24.84
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	13	24.84
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	5	24.82
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	5	24.82
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	5	24.82
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	5	24.82
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	5	24.82
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	5	24.82
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	5	24.82
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	5	24.82
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	5	24.82
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	2	24.78

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	2	24.78
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	2	24.78
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	2	24.78
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	2	24.78
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	2	24.78
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	6	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	6	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	6	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	6	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	6	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	6	24.77
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	12	24.76
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	12	24.76
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	12	24.76
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	12	24.76
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	12	24.76
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	12	24.76
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	12	24.76
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	12	24.76
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	12	24.76
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	11	24.76
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	11	24.76
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	11	24.76
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	11	24.76
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	11	24.76
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	11	24.76
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	11	24.76
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	11	24.76
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	11	24.76
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	11	24.76

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	11	24.76
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	11	24.76
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	11	24.76
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	11	24.76
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	11	24.76
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	11	24.76
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	11	24.76
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	11	24.76
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	13	24.74
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	13	24.74
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	13	24.74
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	13	24.74
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	13	24.74
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	13	24.74
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	13	24.74
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	13	24.74
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	13	24.74
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	13	24.74
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	13	24.74
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	13	24.74
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	13	24.74
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	13	24.74
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	13	24.74
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	13	24.74
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	13	24.74
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	13	24.74
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	6	24.73
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	6	24.73
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	6	24.73
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	6	24.73
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	6	24.73
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	6	24.73
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	6	24.73
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	6	24.73
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	6	24.73
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	11	24.71
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	11	24.71
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	11	24.71
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	11	24.71
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	11	24.71
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	11	24.71
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	3	24.7

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	3	24.7
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	3	24.7
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	3	24.7
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	3	24.7
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	3	24.7
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	3	24.7
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	3	24.7
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	3	24.7
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	3	24.7
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	3	24.7
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	3	24.7
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	3	24.7
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	3	24.7
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	3	24.7
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	3	24.7
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	3	24.7
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	3	24.7
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	1	24.69
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	1	24.69
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	1	24.69
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	1	24.69
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	1	24.69
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	1	24.69
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	1	24.69
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	1	24.69
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	1	24.69
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	1	24.69
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	1	24.69
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	1	24.69
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	1	24.69
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	1	24.69
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	1	24.69
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	1	24.69
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	1	24.69
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	1	24.69
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	10	24.68
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	10	24.68
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	10	24.68
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	10	24.68
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	10	24.68
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	10	24.68
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	10	24.68

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	10	24.68
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	10	24.68
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	9	24.68
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	9	24.68
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	9	24.68
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	9	24.68
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	9	24.68
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	9	24.68
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	9	24.68
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	9	24.68
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	9	24.68
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	9	24.68
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	9	24.68
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	9	24.68
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	9	24.68
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	9	24.68
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	9	24.68
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	9	24.68
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	9	24.68
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	9	24.68
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	10	24.68
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	10	24.68
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	10	24.68
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	10	24.68
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	10	24.68
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	10	24.68
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	8	24.67
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	8	24.67
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	8	24.67
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	8	24.67
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	8	24.67
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	8	24.67
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	8	24.67
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	8	24.67
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	8	24.67
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	8	24.67
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	8	24.67
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	8	24.67
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	8	24.67
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	8	24.67
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	8	24.67
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	8	24.67

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	8	24.67
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	8	24.67
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	9	24.57
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	9	24.48
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	9	24.48
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	9	24.48
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	9	24.48

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	9	24.48
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	9	24.48
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	6	24.45
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	6	24.45
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	6	24.45
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	6	24.45
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	6	24.45
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	6	24.45
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	6	24.45
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	6	24.45
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	6	24.45
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	11	24.43
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	24.43
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	24.43
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	24.43
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	24.43
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	24.43
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	24.43
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	24.43
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	24.43
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	24.43
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	14	24.39
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	14	24.39
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	14	24.39
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	14	24.39

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	14	24.39
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	14	24.39
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	14	24.39
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	14	24.39
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	14	24.39
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	13	24.37
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	13	24.37
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	13	24.37
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	13	24.37
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	13	24.37
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	13	24.37
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	13	24.37
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	13	24.37
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	13	24.37
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	2	24.33
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	2	24.33
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	2	24.33
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	2	24.33
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	2	24.33
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	2	24.33
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	2	24.33
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	2	24.33
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	2	24.33
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	7	24.32
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	7	24.32
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	7	24.32
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	7	24.32
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	7	24.32
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	7	24.32
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	10	24.25
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	10	24.25
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	10	24.25
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	10	24.25
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	10	24.25
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	10	24.25
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	10	24.25
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	10	24.25
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	10	24.25
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	10	24.25
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	10	24.25
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	10	24.25
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	10	24.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	10	24.25
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	10	24.25
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	10	24.25
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	10	24.25
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	10	24.25
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	8	24.2
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	8	24.2
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	8	24.2
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	8	24.2
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	8	24.2
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	8	24.2
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	12	24.19
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	12	24.19
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	12	24.19
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	12	24.19
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	12	24.19
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	12	24.19
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	4	24.17
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	3	24.15
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	3	24.15
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	9	24.15
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	9	24.15
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	3	24.15
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	3	24.15
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	9	24.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	9	24.15
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	3	24.15
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	3	24.15
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	9	24.15
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	9	24.15
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	5	24.14
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	5	24.14
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	5	24.14
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	5	24.14
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	5	24.14
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	5	24.14
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	15	24.12
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	15	24.12
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	15	24.12
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	15	24.12
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	15	24.12
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	15	24.12
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	4	24.1
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	4	24.1
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	4	24.1
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	4	24.1
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	4	24.1
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	4	24.1
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	4	24.1
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	4	24.1
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	4	24.1
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	8	24.04
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	8	24.04
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	8	24.04
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	8	24.04
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	8	24.04
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	8	24.04
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	8	24.04
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	8	24.04
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	8	24.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	5	23.99

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	5	23.99
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	3	23.98
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	3	23.98
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	3	23.98
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	3	23.98
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	3	23.98
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	3	23.98
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	13	23.89
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	13	23.89
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	13	23.89
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	13	23.89
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	13	23.89
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	13	23.89
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	7	23.88
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	7	23.88
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	7	23.88
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	7	23.88
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	7	23.88
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	7	23.88
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	7	23.88
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	7	23.88
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	7	23.88
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	7	23.88
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	7	23.88
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	7	23.88
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	7	23.88
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	7	23.88
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	7	23.88
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	7	23.88
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	7	23.88
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	7	23.88
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	11	23.75

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	11	23.75
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	11	23.75
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	11	23.75
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	11	23.75
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	11	23.75
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	11	23.75
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	11	23.75
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	11	23.75
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	2	23.66
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	2	23.66
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	2	23.66
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	2	23.66
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	2	23.66
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	2	23.66
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	14	23.65
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	3	23.64
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	3	23.64
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	3	23.64
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	3	23.64
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	3	23.64
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	3	23.64
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	3	23.64
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	3	23.64
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	3	23.64
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	1	23.61

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	1	23.61
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	1	23.61
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	1	23.61
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	1	23.61
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	1	23.61
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	1	23.61
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	1	23.61
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	1	23.61
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	3	23.59
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	3	23.59
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	3	23.59
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	3	23.59
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	3	23.59
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	3	23.59
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	3	23.59
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	3	23.59
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	3	23.59
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	3	23.59
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	3	23.59
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	3	23.59
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	3	23.59
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	3	23.59
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	3	23.59
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	3	23.59
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	3	23.59
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	3	23.59
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	14	23.29
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	14	23.29
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	14	23.29
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	14	23.29
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	14	23.29
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	14	23.29
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	14	23.29
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	14	23.29
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	14	23.29
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	6	23.24
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	6	23.24
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	6	23.24
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	6	23.24
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	6	23.24
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	6	23.24
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	6	23.24

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	6	23.24
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	6	23.24
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	12	23.22
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	12	23.22
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	12	23.22
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	12	23.22
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	12	23.22
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	12	23.22
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	12	23.22
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	12	23.22
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	12	23.22
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	23.19
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	23.19
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	23.19
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	23.19
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	23.19
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	23.19
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	23.19
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	23.19
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	23.19
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	23.19
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	23.19
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	23.19
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	23.19
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	23.19
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	23.19
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	23.19
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	23.19
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	23.19
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	4	23.04
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	4	23.04
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	4	23.04
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	4	23.04
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	4	23.04
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	4	23.04
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	4	23.04
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	4	23.04
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	4	23.04
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	4	23.04
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	4	23.04
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	4	23.04
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	4	23.04

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	4	23.04
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	4	23.04
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	4	23.04
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	4	23.04
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	4	23.04
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	14	22.98
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	14	22.98
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	14	22.98
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	14	22.98
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	14	22.98
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	14	22.98
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	10	22.86
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	10	22.86
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	10	22.86
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	10	22.86
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	10	22.86
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	10	22.86
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	10	22.86
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	10	22.86
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	10	22.86
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	10	22.86
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	10	22.86
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	10	22.86
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	10	22.86
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	10	22.86
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	10	22.86
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	10	22.86
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	10	22.86
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	10	22.86
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	15	22.82
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	15	22.82
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	15	22.82
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	15	22.82
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	15	22.82
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	15	22.82
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	15	22.82
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	15	22.82
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	15	22.82
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	13	22.64
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	13	22.64
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	13	22.64
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	13	22.64

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	13	22.64
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	13	22.64
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	13	22.64
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	13	22.64
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	13	22.64
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	13	22.64
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	13	22.64
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	13	22.64
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	13	22.64
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	13	22.64
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	13	22.64
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	13	22.64
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	13	22.64
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	13	22.64
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	5	22.63
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	5	22.63
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	5	22.63
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	5	22.63
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	5	22.63
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	5	22.63
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	5	22.63
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	5	22.63
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	5	22.63
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	9	22.51
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	9	22.51
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	9	22.51
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	9	22.51
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	9	22.51
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	9	22.51
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	9	22.51
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	9	22.51
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	9	22.51
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	7	22.32
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	7	22.32
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	7	22.32
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	7	22.32
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	7	22.32
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	7	22.32
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	7	22.32
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	7	22.32
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	7	22.32
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	2	22.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	2	22.23
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	2	22.23
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	2	22.23
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	2	22.23
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	2	22.23
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	2	22.23
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	2	22.23
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	2	22.23
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	2	22.23
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	2	22.23
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	2	22.23
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	2	22.23
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	2	22.23
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	2	22.23
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	2	22.23
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	2	22.23
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	2	22.23
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	14	22.22
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	14	22.22
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	14	22.22
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	14	22.22
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	14	22.22
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	14	22.22
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	14	22.22
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	14	22.22
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	14	22.22
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	14	22.22
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	14	22.22
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	14	22.22
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	14	22.22
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	14	22.22
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	14	22.22
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	14	22.22
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	14	22.22
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	14	22.22
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	5	22.19
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	5	22.19
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	5	22.19
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	5	22.19
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	5	22.19
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	5	22.19
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	5	22.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	5	22.19
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	5	22.19
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	5	22.19
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	5	22.19
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	5	22.19
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	5	22.19
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	5	22.19
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	5	22.19
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	5	22.19
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	5	22.19
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	5	22.19
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	11	22.15
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	11	22.15
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	11	22.15
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	11	22.15
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	11	22.15
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	11	22.15
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	11	22.15
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	11	22.15
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	11	22.15
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	11	22.15
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	11	22.15
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	11	22.15
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	11	22.15
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	11	22.15
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	11	22.15
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	11	22.15
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	11	22.15
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	11	22.15
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	4	22.08
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	4	22.08
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	4	22.08
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	4	22.08
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	4	22.08
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	4	22.08
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	4	22.08
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	4	22.08
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	4	22.08
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	8	21.6
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	8	21.6
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	8	21.6
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	8	21.6

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	8	21.6
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	8	21.6
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	8	21.6
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	8	21.6
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	8	21.6
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	8	21.6
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	8	21.6
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	8	21.6
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	8	21.6
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	8	21.6
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	8	21.6
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	8	21.6
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	8	21.6
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	8	21.6
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	6	21.5
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	6	21.5
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	6	21.5
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	6	21.5
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	6	21.5
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	6	21.5
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	6	21.5
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	6	21.5
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	6	21.5
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	6	21.5
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	6	21.5
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	6	21.5
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	6	21.5
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	6	21.5
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	6	21.5
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	6	21.5
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	6	21.5
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	6	21.5
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	1	21.49
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	1	21.49
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	1	21.49
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	1	21.49
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	1	21.49
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	1	21.49
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	1	21.49
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	1	21.49
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	1	21.49
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	1	21.49

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	1	21.49
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	1	21.49
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	1	21.49
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	1	21.49
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	1	21.49
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	1	21.49
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	1	21.49
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	1	21.49
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	5	21.42
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	5	21.42
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	5	21.42
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	5	21.42
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	5	21.42
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	5	21.42
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	5	21.42
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	5	21.42
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	5	21.42
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	5	21.42
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	5	21.42
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	5	21.42
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	5	21.42
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	5	21.42
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	5	21.42
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	5	21.42
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	5	21.42
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	5	21.42
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	4	21.3
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	4	21.3
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	4	21.3
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	4	21.3
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	4	21.3
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	4	21.3
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	4	21.3
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	4	21.3
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	4	21.3
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	4	21.3
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	4	21.3
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	4	21.3
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	4	21.3
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	4	21.3
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	4	21.3
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	4	21.3

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	4	21.3
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	4	21.3
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	7	21.21
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	7	21.21
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	7	21.21
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	7	21.21
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	7	21.21
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	7	21.21
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	7	21.21
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	7	21.21
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	7	21.21
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	7	21.21
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	7	21.21
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	7	21.21
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	7	21.21
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	7	21.21
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	7	21.21
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	7	21.21
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	7	21.21
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	7	21.21
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	7	21.11
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	7	21.11
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	7	21.11
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	7	21.11
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	7	21.11
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	7	21.11
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	7	21.11
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	7	21.11
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	7	21.11
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	7	21.11
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	7	21.11
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	7	21.11
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	7	21.11
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	7	21.11
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	7	21.11
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	7	21.11
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	7	21.11
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	7	21.11
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	13	21.1
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	13	21.1
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	13	21.1
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	13	21.1

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	13	21.1
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	13	21.1
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	13	21.1
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	13	21.1
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	13	21.1
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	13	21.1
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	13	21.1
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	13	21.1
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	13	21.1
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	13	21.1
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	13	21.1
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	13	21.1
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	13	21.1
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	13	21.1
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	8	21.07
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	8	21.07
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	8	21.07
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	8	21.07
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	8	21.07
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	8	21.07
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	8	21.07
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	8	21.07
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	8	21.07
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	8	21.07
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	8	21.07
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	8	21.07
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	8	21.07
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	8	21.07
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	8	21.07
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	8	21.07
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	8	21.07
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	8	21.07
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	5	21.02
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	5	21.02
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	5	21.02
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	5	21.02
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	5	21.02
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	5	21.02
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	5	21.02
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	5	21.02
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	5	21.02
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	5	21.02

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	5	21.02
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	5	21.02
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	5	21.02
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	5	21.02
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	5	21.02
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	5	21.02
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	5	21.02
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	5	21.02
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	10	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	10	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	10	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	10	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	10	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	10	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	11	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	11	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	11	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	11	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	11	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	11	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	10	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	10	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	10	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	10	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	10	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	10	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	11	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	11	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	11	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	11	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	11	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	11	21.0
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	10	21.0
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	10	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	10	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	10	21.0
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	10	21.0
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	10	21.0
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	11	21.0
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	11	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	11	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	11	21.0

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	11	21.0
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	11	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	2	20.98
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	2	20.98
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	2	20.98
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	2	20.98
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	2	20.98
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	2	20.98
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	2	20.98
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	2	20.98
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	2	20.98
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	2	20.98
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	2	20.98
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	2	20.98
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	2	20.98
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	2	20.98
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	2	20.98
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	2	20.98
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	2	20.98
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	2	20.98
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	20.89
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	20.89
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	20.89
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	20.89
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	20.89
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	20.89
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	20.89
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	20.89
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	20.89
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	20.89
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	20.89
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	20.89
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	20.89
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	20.89
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	20.89
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	20.89
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	20.89
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	20.89
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	9	20.79
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	9	20.79
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	9	20.79
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	9	20.79

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	9	20.79
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	9	20.79
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	9	20.79
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	9	20.79
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	9	20.79
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	9	20.79
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	9	20.79
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	9	20.79
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	9	20.79
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	9	20.79
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	9	20.79
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	9	20.79
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	9	20.79
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	9	20.79
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	6	20.75
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	6	20.75
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	6	20.75
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	6	20.75
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	6	20.75
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	6	20.75
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	6	20.75
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	6	20.75
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	6	20.75
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	6	20.75
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	6	20.75
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	6	20.75
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	6	20.75
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	6	20.75
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	6	20.75
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	6	20.75
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	6	20.75
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	6	20.75
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	20.73
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	20.73
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	20.73
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	20.73
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	20.73
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	20.73
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	20.73
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	20.73
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	20.73
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	20.73

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	20.73
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	20.73
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	20.73
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	20.73
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	20.73
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	20.73
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	20.73
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	20.73
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	3	20.72
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	3	20.72
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	3	20.72
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	3	20.72
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	3	20.72
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	3	20.72
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	3	20.72
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	3	20.72
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	3	20.72
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	3	20.72
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	3	20.72
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	3	20.72
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	3	20.72
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	3	20.72
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	3	20.72
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	3	20.72
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	3	20.72
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	3	20.72
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	1	20.67
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	1	20.67
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	1	20.67
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	1	20.67
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	1	20.67
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	1	20.67
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	1	20.67
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	1	20.67
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	1	20.67
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	1	20.67
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	1	20.67
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	1	20.67
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	1	20.67
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	1	20.67
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	1	20.67
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	1	20.67

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	1	20.67
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	1	20.67
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	12	20.64
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	12	20.64
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	12	20.64
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	12	20.64
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	12	20.64
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	12	20.64
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	12	20.64
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	12	20.64
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	12	20.64
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	12	20.64
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	12	20.64
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	12	20.64
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	12	20.64
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	12	20.64
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	12	20.64
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	12	20.64
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	12	20.64
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	12	20.64
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	10	20.63
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	10	20.63
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	10	20.63
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	10	20.63
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	10	20.63
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	10	20.63
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	10	20.63
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	10	20.63
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	10	20.63
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	10	20.63
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	10	20.63
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	10	20.63
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	10	20.63
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	10	20.63
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	10	20.63
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	10	20.63
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	10	20.63
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	10	20.63
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	9	20.52
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	9	20.52
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	9	20.52
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	9	20.52

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	9	20.52
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	9	20.52
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	9	20.52
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	9	20.52
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	9	20.52
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	9	20.52
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	9	20.52
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	9	20.52
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	9	20.52
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	9	20.52
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	9	20.52
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	9	20.52
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	9	20.52
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	9	20.52
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	4	20.48
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	4	20.48
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	4	20.48
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	4	20.48
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	4	20.48
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	4	20.48
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	4	20.48
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	4	20.48
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	4	20.48
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	4	20.48
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	4	20.48
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	4	20.48
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	4	20.48
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	4	20.48
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	4	20.48
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	4	20.48
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	4	20.48
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	4	20.48
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	12	20.31
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	12	20.31
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	12	20.31
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	12	20.31
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	12	20.31
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	12	20.31
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	12	20.31
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	12	20.31
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	12	20.31
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	12	20.31

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	12	20.31
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	12	20.31
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	12	20.31
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	12	20.31
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	12	20.31
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	12	20.31
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	12	20.31
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	12	20.31
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	14	20.07
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	14	20.07
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	14	20.07
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	14	20.07
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	14	20.07
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	14	20.07
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	14	20.07
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	14	20.07
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	14	20.07
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	14	20.07
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	14	20.07
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	14	20.07
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	14	20.07
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	14	20.07
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	14	20.07
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	14	20.07
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	14	20.07
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	14	20.07
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	9	20.0
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	9	20.0
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	9	20.0
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	9	20.0
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	9	20.0
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	9	20.0
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	9	20.0
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	9	20.0
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	9	20.0
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	9	20.0
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	9	20.0
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	9	20.0
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	9	20.0
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	9	20.0
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	9	20.0
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	9	20.0

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	9	20.0
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	9	20.0
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	7	19.98
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	7	19.98
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	7	19.98
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	7	19.98
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	7	19.98
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	7	19.98
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	7	19.98
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	7	19.98
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	7	19.98
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	9	19.79
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	9	19.79
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	9	19.79
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	9	19.79
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	9	19.79
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	9	19.79
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	9	19.79
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	9	19.79
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	9	19.79
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	12	19.68
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	12	19.68
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	12	19.68
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	12	19.68
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	12	19.68
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	12	19.68
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	12	19.68
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	12	19.68
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	12	19.68
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	12	19.68
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	12	19.68
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	12	19.68
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	12	19.68
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	12	19.68
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	12	19.68
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	12	19.68
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	12	19.68
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	12	19.68
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	14	19.65
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	14	19.65
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	14	19.65
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	14	19.65

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	14	19.65
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	14	19.65
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	14	19.65
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	14	19.65
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	14	19.65
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	14	19.65
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	14	19.65
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	14	19.65
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	14	19.65
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	14	19.65
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	14	19.65
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	14	19.65
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	14	19.65
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	14	19.65
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	11	19.6
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	11	19.6
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	11	19.6
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	11	19.6
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	11	19.6
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	11	19.6
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	11	19.6
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	11	19.6
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	11	19.6
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	11	19.6
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	11	19.6
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	11	19.6
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	11	19.6
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	11	19.6
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	11	19.6
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	11	19.6
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	11	19.6
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	11	19.6
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	12	19.48
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	12	19.48
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	12	19.48
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	12	19.48
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	12	19.48
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	12	19.48
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	12	19.48
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	12	19.48
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	12	19.48
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	6	19.47

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	6	19.47
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	6	19.47
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	6	19.47
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	6	19.47
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	6	19.47
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	6	19.47
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	6	19.47
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	6	19.47
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	6	19.47
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	6	19.47
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	6	19.47
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	6	19.47
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	6	19.47
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	6	19.47
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	6	19.47
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	6	19.47
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	6	19.47
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	19.38
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	19.38
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	19.38
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	19.38
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	19.38
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	19.38
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	19.38
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	19.38
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	19.38
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	4	19.23
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	4	19.23
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	4	19.23
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	4	19.23
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	4	19.23
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	4	19.23
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	4	19.23
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	4	19.23
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	4	19.23
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	3	19.17
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	3	19.17
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	3	19.17
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	3	19.17
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	3	19.17
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	3	19.17
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	3	19.17

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	3	19.17
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	3	19.17
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	3	19.17
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	3	19.17
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	3	19.17
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	3	19.17
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	3	19.17
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	3	19.17
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	3	19.17
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	3	19.17
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	3	19.17
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	1	19.09
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	1	19.09
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	1	19.09
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	1	19.09
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	1	19.09
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	1	19.09
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	1	19.09
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	1	19.09
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	1	19.09
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	1	19.09
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	1	19.09
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	1	19.09
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	1	19.09
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	1	19.09
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	1	19.09
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	1	19.09
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	1	19.09
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	1	19.09
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	13	19.02
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	13	19.02
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	13	19.02
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	13	19.02
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	13	19.02
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	13	19.02
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	13	19.02
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	13	19.02
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	13	19.02
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	13	19.02
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	13	19.02
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	13	19.02
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	13	19.02

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	13	19.02
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	13	19.02
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	13	19.02
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	13	19.02
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	13	19.02
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	1	19.01
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	1	19.01
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	1	19.01
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	1	19.01
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	1	19.01
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	1	19.01
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	1	19.01
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	1	19.01
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	1	19.01
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	3	18.63
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	3	18.63
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	3	18.63
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	3	18.63
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	3	18.63
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	3	18.63
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	3	18.63
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	3	18.63
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	3	18.63
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	5	18.58
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	5	18.58
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	5	18.58
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	5	18.58
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	5	18.58
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	5	18.58
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	5	18.58
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	5	18.58
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	5	18.58
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	13	18.49
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	13	18.49
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	13	18.49
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	14	18.49
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	14	18.49
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	14	18.49
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	13	18.49
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	13	18.49
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	13	18.49
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	14	18.49

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	14	18.49
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	14	18.49
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	13	18.49
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	13	18.49
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	13	18.49
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	14	18.49
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	14	18.49
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	14	18.49
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	2	18.39
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	2	18.39
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	2	18.39
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	2	18.39
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	2	18.39
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	2	18.39
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	2	18.39
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	2	18.39
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	2	18.39
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	2	18.39
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	2	18.39
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	2	18.39
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	2	18.39
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	2	18.39
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	2	18.39
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	2	18.39
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	2	18.39
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	2	18.39
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	2	18.04
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	2	18.04
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	2	18.04
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	2	18.04
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	2	18.04
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	2	18.04
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	2	18.04
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	2	18.04
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	2	18.04
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	11	17.72
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	11	17.72
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	11	17.72
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	11	17.72
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	11	17.72
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	11	17.72
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	11	17.72

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	11	17.72
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	11	17.72
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	10	17.44
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	10	17.44
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	10	17.44
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	10	17.44
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	10	17.44
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	10	17.44
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	10	17.44
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	10	17.44
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	10	17.44
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	6	17.43
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	6	17.43
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	6	17.43
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	6	17.43
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	6	17.43
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	6	17.43
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	6	17.43
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	6	17.43
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	6	17.43
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	8	17.03
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	8	17.03
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	8	17.03
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	8	17.03
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	8	17.03
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	8	17.03
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	8	17.03
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	8	17.03
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	8	17.03
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	1	16.59
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	1	16.59
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	1	16.59
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	1	16.59
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	1	16.59
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	1	16.59
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	10	16.52
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	10	16.52
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	10	16.52
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	10	16.52
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	10	16.52
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	10	16.52
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	8	16.49

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	8	16.49
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	8	16.49
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	8	16.49
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	8	16.49
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	8	16.49
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	7	16.46
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	7	16.46
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	7	16.46
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	7	16.46
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	7	16.46
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	7	16.46
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	12	16.4
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	12	16.4
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	12	16.4
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	12	16.4
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	12	16.4
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	12	16.4
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	13	16.37
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	13	16.37
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	13	16.37
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	13	16.37
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	13	16.37
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	13	16.37
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	9	16.31
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	9	16.31
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	9	16.31
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	9	16.31
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	9	16.31
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	9	16.31
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	14	15.89
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	14	15.89
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	14	15.89
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	14	15.89
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	14	15.89
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	14	15.89
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	4	15.78
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	4	15.78
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	4	15.78
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	4	15.78
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	4	15.78
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	4	15.78
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	5	15.74

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	5	15.74
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	5	15.74
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	5	15.74
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	5	15.74
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	5	15.74
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	6	15.47
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	6	15.47
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	6	15.47
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	6	15.47
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	6	15.47
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	6	15.47
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	3	15.28
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	3	15.28
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	3	15.28
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	3	15.28
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	3	15.28
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	3	15.28
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	11	15.19
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	11	15.19
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	11	15.19
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	11	15.19
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	11	15.19
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	11	15.19
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	15.01
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	15.01
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	15.01
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	15.01
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	15.01
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	15.01
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	2	14.58
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	2	14.58
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	2	14.58
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	2	14.58
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	2	14.58
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	2	14.58
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	1	14.38
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	1	14.38
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	1	14.38
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	1	14.38
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	1	14.38
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	1	14.38
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	13	14.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	13	14.21
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	13	14.21
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	13	14.21
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	13	14.21
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	13	14.21
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	8	14.01
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	8	14.01
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	8	14.01
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	8	14.01
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	8	14.01
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	8	14.01
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	7	13.99
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	7	13.99
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	7	13.99
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	7	13.99
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	7	13.99
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	7	13.99
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	5	13.68
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	5	13.68
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	5	13.68
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	5	13.68
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	5	13.68
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	5	13.68
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	12	13.58
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	12	13.58
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	12	13.58
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	12	13.58
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	12	13.58
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	12	13.58
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	9	13.57
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	9	13.57
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	9	13.57
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	9	13.57
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	9	13.57
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	9	13.57
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	4	13.48
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	4	13.48
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	4	13.48
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	4	13.48
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	4	13.48
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	4	13.48
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	3	13.28

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	3	13.28
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	3	13.28
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	3	13.28
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	3	13.28
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	3	13.28
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	6	13.26
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	6	13.26
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	6	13.26
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	6	13.26
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	6	13.26
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	6	13.26
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	13	13.25
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	13	13.25
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	13	13.25
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	13	13.25
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	13	13.25
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	13.25
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	13	13.25
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	13	13.25
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	13	13.25
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	13	13.25
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	13	13.25
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	13.25
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	13.25
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	13	13.25
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	13	13.25
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	13	13.25
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	13	13.25
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	13	13.25
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	13.25
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	11	13.13
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	11	13.13
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	11	13.13
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	11	13.13
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	11	13.13
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	11	13.13
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.09
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.09
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.09
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.09
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.09
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.09
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	10	13.04

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	10	13.04
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	10	13.04
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	10	13.04
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	10	13.04
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	10	13.04
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	2	12.9
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	2	12.9
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	2	12.9
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	2	12.9
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	2	12.9
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	2	12.9
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	1	12.34
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	1	12.34
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	1	12.34
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	1	12.34
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	1	12.34
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	1	12.34
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	1	12.34
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	1	12.34
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	1	12.34
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	1	12.34
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	1	12.34
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	1	12.34
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	1	12.34
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	1	12.34
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	1	12.34
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	1	12.34
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	1	12.34
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	1	12.34
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	1	12.34
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	14	12.28
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	14	12.28
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	14	12.28
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	14	12.28
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	14	12.28
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	14	12.28
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	14	11.99
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	14	11.99
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	14	11.99
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	14	11.99
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	14	11.99
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	14	11.99
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	14	11.99

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	14	11.99
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	14	11.99
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	14	11.99
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	14	11.99
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	14	11.99
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	14	11.99
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	14	11.99
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	14	11.99
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	14	11.99
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	14	11.99
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	14	11.99
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	2	11.68
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	2	11.68
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	2	11.68
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	2	11.68
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	2	11.68
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	2	11.68
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	2	11.68
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	2	11.68
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	2	11.68
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	2	11.68
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	2	11.68
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	2	11.68
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	2	11.68
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	2	11.68
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	2	11.68
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	2	11.68
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	2	11.68
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	2	11.68
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	8	11.46
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	8	11.46
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	8	11.46
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	8	11.46
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	8	11.46
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	8	11.46
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	9	11.46
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	9	11.46
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	9	11.46
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	9	11.46
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	9	11.46
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	9	11.46
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	8	11.46

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	8	11.46
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	8	11.46
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	8	11.46
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	8	11.46
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	8	11.46
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	9	11.46
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	9	11.46
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	9	11.46
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	9	11.46
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	9	11.46
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	9	11.46
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	8	11.46
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	8	11.46
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	8	11.46
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	8	11.46
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	8	11.46
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	8	11.46
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	9	11.46
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	9	11.46
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	9	11.46
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	9	11.46
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	9	11.46
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	9	11.46
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	11	11.4
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	11	11.4
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	11	11.4
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	11	11.4
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	11	11.4
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	11	11.4
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	11	11.4
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	11	11.4
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	11	11.4
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	11	11.4
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	11	11.4
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	11	11.4
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	11	11.4
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	11	11.4
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	11	11.4
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	11	11.4
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	11	11.4
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	11	11.4
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	7	11.3

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	7	11.3
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	7	11.3
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	7	11.3
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	7	11.3
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	7	11.3
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	7	11.3
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	7	11.3
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	7	11.3
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	7	11.3
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	7	11.3
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	7	11.3
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	7	11.3
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	7	11.3
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	7	11.3
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	7	11.3
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	7	11.3
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	7	11.3
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	4	11.29
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	4	11.29
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	4	11.29
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	4	11.29
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	4	11.29
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	4	11.29
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	4	11.29
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	4	11.29
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	4	11.29
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	4	11.29
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	4	11.29
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	4	11.29
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	4	11.29
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	4	11.29
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	4	11.29
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	4	11.29
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	4	11.29
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	4	11.29
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	5	10.81
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	5	10.81
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	5	10.81
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	5	10.81
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	5	10.81
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	5	10.81
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	5	10.81

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	5	10.81
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	5	10.81
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	5	10.81
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	5	10.81
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	5	10.81
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	5	10.81
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	5	10.81
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	5	10.81
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	5	10.81
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	5	10.81
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	5	10.81
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	12	10.76
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	12	10.76
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	12	10.76
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	12	10.76
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	12	10.76
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	10.76
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	12	10.76
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	12	10.76
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	12	10.76
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	12	10.76
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	12	10.76
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	10.76
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	10.76
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	12	10.76
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	12	10.76
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	12	10.76
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	12	10.76
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	12	10.76
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	10.76
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	6	10.65
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	6	10.65
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	6	10.65
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	6	10.65
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	6	10.65
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	6	10.65
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	6	10.65
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	6	10.65
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	6	10.65
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	6	10.65
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	6	10.65
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	6	10.65
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	6	10.65

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	6	10.65
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	6	10.65
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	6	10.65
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	6	10.65
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	6	10.65
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	10	10.53
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	10	10.53
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	10	10.53
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	10	10.53
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	10	10.53
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	10	10.53
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	10	10.53
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	10	10.53
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	10	10.53
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	10	10.53
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	10	10.53
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	10	10.53
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	10	10.53
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	10	10.53
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	10	10.53
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	10	10.53
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	10	10.53
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	10	10.53
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	3	10.45
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	3	10.45
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	3	10.45
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	3	10.45
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	3	10.45
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	3	10.45
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	3	10.45
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	3	10.45
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	3	10.45
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	3	10.45
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	3	10.45
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	3	10.45
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	3	10.45
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	3	10.45
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	3	10.45
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	3	10.45
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	3	10.45
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	3	10.45
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	10.27

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	10.27
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	10.27
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	10.27
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	10.27
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	10.27
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	10.27
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	10.27
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	10.27
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	10.27
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	10.27
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	10.27
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	10.27
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	10.27
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	10.27
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	10.27
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	10.27
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	10.27
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	8.76
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	8.76
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	8.76
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	8.76
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	8.76
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	8.76
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	8.76
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	8.76
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	8.76
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	8.7
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	8.7
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	8.7
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	8.7
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	8.7
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	8.7
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	8.7
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	8.7
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	8.7
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	8.53
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	8.53
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	8.53
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	8.53
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	8.53
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	8.53
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	8.53

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	8.53
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	8.53
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	8.51
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	8.51
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	8.51
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	8.51
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	8.51
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	8.51
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	8.51
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	8.51
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	8.51
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	11	8.31
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	11	8.31
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	11	8.31
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	11	8.31
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	11	8.31
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	11	8.31
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.01
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.01
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.01
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.01
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.01
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.01
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.01
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.01
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.01
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	8.0
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	8.0
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	8.0
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	8.0
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	8.0
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	8.0
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	8.0
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	8.0
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	8.0
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	10	7.87
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	10	7.87
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	10	7.87
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	10	7.87
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	10	7.87
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	10	7.87
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	3	7.8

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	3	7.8
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	3	7.8
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	3	7.8
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	3	7.8
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	3	7.8
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	12	7.72
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	12	7.72
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	12	7.72
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	12	7.72
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	12	7.72
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	12	7.72
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	7.72
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	7.72
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	7.72
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	7.72
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	7.72
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	7.72
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	7.72
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	7.72
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	7.72
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	7.71
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	7.71
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	7.71
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	7.71
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	7.71
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	7.71
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	7.71
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	7.71
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	7.71
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	7.66
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	7.66
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	7.66
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	7.66
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	7.66
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	7.66
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	7.66
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	7.66
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	7.66
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	2	7.61
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	2	7.61
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	2	7.61
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	2	7.61

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	2	7.61
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	2	7.61
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	7.6
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	7.6
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	7.6
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	7.6
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	7.6
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	7.6
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	7.57
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	7.57
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	7.57
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	7.57
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	7.57
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	7.57
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	7.57
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	7.57
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	7.57
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	4	7.41
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	4	7.41
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	4	7.41
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	4	7.41
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	4	7.41
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	4	7.41
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	6	7.37
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	6	7.37
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	6	7.37
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	6	7.37
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	6	7.37
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	6	7.37
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	7.32
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	7.32
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	7.32
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	7.32
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	7.32
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	7.32
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	7.32
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	7.32
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	7.32
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	9	7.27
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	9	7.27
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	9	7.27
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	9	7.27

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	9	7.27
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	9	7.27
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	1	7.08
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	1	7.08
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	1	7.08
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	1	7.08
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	1	7.08
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	1	7.08
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	7.07
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	7.07
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	7.07
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	7.07
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	7.07
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	7.07
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	7.07
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	7.07
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	7.07
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	7.07
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	7.07
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	7.07
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	7.07
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	7.07
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	7.07
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	7.07
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	7.07
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	7.07
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	14	7.06
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	14	7.06
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	14	7.06
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	14	7.06
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	14	7.06
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	14	7.06
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	7.06
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	7.06
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	7.06
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	7.06
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	7.06
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	7.06
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	7.06
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	7.06
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	7.06
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	5	7.04

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	5	7.04
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	5	7.04
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	5	7.04
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	5	7.04
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	5	7.04
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	6.98
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	3	6.98
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	3	6.98
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	3	6.98
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	3	6.98
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	3	6.98
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	6.98
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	3	6.98
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	3	6.98
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	3	6.98
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	3	6.98
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	3	6.98
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	6.98
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	3	6.98
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	3	6.98
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	3	6.98
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	3	6.98
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	3	6.98
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	8	6.8
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	8	6.8
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	8	6.8
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	8	6.8
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	8	6.8
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	8	6.8
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	8	6.8
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	8	6.8
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	8	6.8
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	13	6.65
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	13	6.65
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	13	6.65
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	13	6.65
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	13	6.65
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	13	6.65
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	13	6.65
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	13	6.65
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	13	6.65
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	12	6.62

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	12	6.62
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	12	6.62
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	12	6.62
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	12	6.62
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	12	6.62
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	12	6.62
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	12	6.62
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	12	6.62
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	12	6.62
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	12	6.62
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	12	6.62
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	12	6.62
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	12	6.62
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	12	6.62
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	12	6.62
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	12	6.62
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	12	6.62
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	14	6.59
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	14	6.59
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	14	6.59
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	14	6.59
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	14	6.59
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	14	6.59
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	14	6.59
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	14	6.59
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	14	6.59
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	14	6.59
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	14	6.59
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	14	6.59
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	14	6.59
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	14	6.59
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	14	6.59
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	14	6.59
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	14	6.59
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	14	6.59
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	7	6.49
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	7	6.49
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	7	6.49
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	7	6.49
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	7	6.49
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	7	6.49
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.43

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.43
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.43
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.43
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.43
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.43
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.43
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.43
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.43
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.43
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.43
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.43
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.43
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.43
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.43
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.43
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.43
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.43
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	6.41
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	6.41
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	6.41
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	6.41
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	6.41
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	6.41
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	6.41
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	6.41
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	6.41
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	6.41
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	6.41
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	6.41
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	6.41
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	6.41
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	6.41
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	6.41
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	6.41
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	6.41
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	6.38
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	6.38
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	6.38
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	6.38
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	6.38
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	6.38
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	6.38

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	6.38
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	6.38
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	13	6.33
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	13	6.33
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	13	6.33
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	13	6.33
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	13	6.33
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	13	6.33
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	8	6.22
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	8	6.22
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	8	6.22
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	8	6.22
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	8	6.22
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	8	6.22
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	2	6.21
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	2	6.21
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	2	6.21
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	2	6.21
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	2	6.21
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	2	6.21
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	2	6.21
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	2	6.21
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	2	6.21
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	2	6.21
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	2	6.21
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	2	6.21
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	2	6.21
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	2	6.21
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	2	6.21
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	2	6.21
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	2	6.21
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	2	6.21
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	8	6.19
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	8	6.19
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	8	6.19
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	8	6.19
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	6.19
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	6.19
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	8	6.19
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	8	6.19
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	8	6.19
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	8	6.19

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	6.19
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	6.19
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	8	6.19
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	8	6.19
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	8	6.19
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	8	6.19
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	6.19
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	6.19
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	6.15
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	6.15
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	6.15
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	6.15
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	6.15
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	6.15
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	6.15
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	6.15
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	6.15
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	6.15
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	6.15
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	6.15
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	6.15
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	6.15
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	6.15
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	6.15
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	6.15
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	6.15
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	6.15
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	6.15
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	6.15
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	6.15
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	6.15
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	6.15
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	6.15
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	6.15
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	6.15
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	6.15
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	6.15
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	6.15
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	6.15
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	6.15
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	6.15
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	6.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	6.15
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	6.15
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	5.94
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	5.94
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	5.94
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	5.94
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	6	5.94
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	6	5.94
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	5.94
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	5.94
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	5.94
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	5.94
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	6	5.94
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	6	5.94
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	5.94
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	5.94
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	5.94
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	5.94
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	6	5.94
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	6	5.94
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	4	5.91
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	4	5.91
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	4	5.91
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	4	5.91
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	4	5.91
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	4	5.91
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	4	5.91
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	4	5.91
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	4	5.91
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	4	5.91
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	4	5.91
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	4	5.91
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	4	5.91
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	4	5.91
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	4	5.91
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	4	5.91
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	4	5.91
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	4	5.91
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	1	5.87
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	1	5.87
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	1	5.87
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	1	5.87

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	1	5.87
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	1	5.87
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	1	5.87
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	1	5.87
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	1	5.87
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	1	5.87
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	1	5.87
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	1	5.87
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	1	5.87
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	1	5.87
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	1	5.87
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	1	5.87
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	1	5.87
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	1	5.87
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	13	5.51
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	13	5.51
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	13	5.51
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	13	5.51
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	13	5.51
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	13	5.51
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	13	5.51
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	13	5.51
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	13	5.51
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	13	5.51
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	13	5.51
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	13	5.51
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	13	5.51
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	13	5.51
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	13	5.51
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	13	5.51
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	13	5.51
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	13	5.51
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	7	5.32
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	7	5.32
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	7	5.32
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	7	5.32
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	5.32
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	5.32
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	7	5.32
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	7	5.32
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	7	5.32
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	7	5.32

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	5.32
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	5.32
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	7	5.32
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	7	5.32
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	7	5.32
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	7	5.32
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	5.32
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	5.32
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	2	4.53
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	2	4.53
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	2	4.53
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	2	4.53
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	2	4.53
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	2	4.53
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	2	4.53
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	2	4.53
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	2	4.53
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	2	4.53
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	2	4.53
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	2	4.53
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	2	4.53
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	2	4.53
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	2	4.53
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	2	4.53
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	2	4.53
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	2	4.53
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	10	4.46
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	10	4.46
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	10	4.46
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	10	4.46
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	10	4.46
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	10	4.46
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	10	4.46
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	10	4.46
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	10	4.46
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	10	4.46
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	10	4.46
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	10	4.46
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	10	4.46
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	10	4.46
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	10	4.46
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	10	4.46

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	10	4.46
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	10	4.46
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	8	4.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	8	4.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	8	4.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	8	4.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	8	4.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	8	4.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	8	4.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	8	4.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	8	4.42
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	14	4.01
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	14	4.01
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	14	4.01
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	14	4.01
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	14	4.01
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	14	4.01
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	14	4.01
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	14	4.01
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	14	4.01
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	14	4.01
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	14	4.01
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	14	4.01
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	14	4.01
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	14	4.01
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	14	4.01
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	14	4.01
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	14	4.01
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	14	4.01
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	13	3.99
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	13	3.99
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	13	3.99
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	13	3.99
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	13	3.99
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	13	3.99
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	13	3.99
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	13	3.99
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	13	3.99
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	13	3.99
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	13	3.99
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	13	3.99
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	13	3.99

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	13	3.99
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	13	3.99
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	13	3.99
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	13	3.99
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	13	3.99
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	3	3.94
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	3	3.94
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	3	3.94
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	3	3.94
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	3	3.94
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	3	3.94
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	3	3.94
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	3	3.94
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	3	3.94
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	11	3.91
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	11	3.91
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	11	3.91
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	11	3.91
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	11	3.91
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	11	3.91
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	11	3.91
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	11	3.91
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	11	3.91
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	9	3.76
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	9	3.76
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	9	3.76
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	9	3.76
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	9	3.76
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	9	3.76
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	9	3.76
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	9	3.76
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	9	3.76
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	9	3.76
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	9	3.76
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	9	3.76
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	9	3.76
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	9	3.76
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	9	3.76
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	9	3.76
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	9	3.76
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	9	3.76
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	1	3.66

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	1	3.66
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	1	3.66
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	1	3.66
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	1	3.66
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	1	3.66
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	8	3.66
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	8	3.66
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	8	3.66
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	8	3.66
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	8	3.66
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	8	3.66
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	1	3.66
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	1	3.66
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	1	3.66
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	1	3.66
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	1	3.66
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	1	3.66
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	8	3.66
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	8	3.66
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	8	3.66
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	8	3.66
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	8	3.66
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	8	3.66
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	1	3.66
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	1	3.66
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	1	3.66
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	1	3.66
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	1	3.66
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	1	3.66
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	8	3.66
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	8	3.66
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	8	3.66
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	8	3.66
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	8	3.66
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	8	3.66
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	1	3.58
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	1	3.58
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	1	3.58
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	1	3.58
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	1	3.58
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	1	3.58
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	1	3.58

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	1	3.58
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	1	3.58
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	3	3.51
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	3	3.51
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	3	3.51
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	3	3.51
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	3	3.51
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	3	3.51
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	3	3.51
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	3	3.51
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	3	3.51
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	3	3.51
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	3	3.51
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	3	3.51
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	3	3.51
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	3	3.51
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	3	3.51
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	3	3.51
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	3	3.51
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	3	3.51
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.48
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.48
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.48
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.48
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.48
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.48
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.48
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.48
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.48
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	14	3.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	14	3.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	14	3.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	14	3.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	14	3.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	14	3.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	14	3.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	14	3.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	14	3.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	12	3.2
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	12	3.2
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	12	3.2
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	12	3.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	12	3.2
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	12	3.2
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	12	3.2
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	12	3.2
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	12	3.2
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	2	3.1
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	2	3.1
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	2	3.1
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	2	3.1
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	2	3.1
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	2	3.1
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	2	3.1
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	2	3.1
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	2	3.1
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	4	3.08
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	4	3.08
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	4	3.08
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	4	3.08
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	4	3.08
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	4	3.08
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	4	3.08
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	4	3.08
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	4	3.08
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	4	3.05
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	4	3.05
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	4	3.05
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	4	3.05
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	4	3.05
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	4	3.05
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	4	3.05
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	4	3.05
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	4	3.05
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	4	3.05
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	4	3.05
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	4	3.05
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	4	3.05
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	4	3.05
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	4	3.05
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	4	3.05
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	4	3.05
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	4	3.05
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	10	3.03

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	10	3.03
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	10	3.03
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	10	3.03
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	10	3.03
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	10	3.03
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	10	3.03
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	10	3.03
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	10	3.03
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	5	3.02
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	5	3.02
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	5	3.02
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	5	3.02
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	5	3.02
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	5	3.02
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	5	3.02
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	5	3.02
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	5	3.02
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	1	3.01
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	1	3.01
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	1	3.01
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	1	3.01
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	1	3.01
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	1	3.01
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	1	3.01
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	1	3.01
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	1	3.01
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	1	3.01
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	1	3.01
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	1	3.01
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	1	3.01
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	1	3.01
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	1	3.01
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	1	3.01
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	1	3.01
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	1	3.01
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	9	2.95
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	9	2.95
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	9	2.95
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	9	2.95
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	9	2.95
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	9	2.95
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	9	2.95

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	9	2.95
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	9	2.95
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	7	2.92
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	7	2.92
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	7	2.92
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	7	2.92
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	7	2.92
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	7	2.92
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	7	2.92
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	7	2.92
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	7	2.92
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	7	2.92
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	7	2.92
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	7	2.92
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	7	2.92
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	7	2.92
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	7	2.92
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	7	2.92
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	7	2.92
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	7	2.92
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	12	2.86
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	12	2.86
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	12	2.86
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	12	2.86
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	12	2.86
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	12	2.86
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	12	2.86
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	12	2.86
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	12	2.86
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	12	2.86
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	12	2.86
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	12	2.86
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	12	2.86
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	12	2.86
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	12	2.86
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	12	2.86
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	12	2.86
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	12	2.86
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	11	2.75
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	11	2.75
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	11	2.75
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	11	2.75

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	11	2.75
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	11	2.75
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	11	2.75
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	11	2.75
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	11	2.75
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	11	2.75
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	11	2.75
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	11	2.75
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	11	2.75
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	11	2.75
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	11	2.75
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	11	2.75
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	11	2.75
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	11	2.75
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	2.64
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	2.64
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	2.64
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	2.64
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	2.64
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	2.64
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.54
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.54
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.54
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.54
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.54
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.54
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	6	2.53
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	6	2.53
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	6	2.53
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	6	2.53
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	6	2.53
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	6	2.53
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	6	2.53
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	6	2.53
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	6	2.53
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.53
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.53
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.53
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.53
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.53
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.53
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.53

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.53
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.53
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.53
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.53
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.53
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.53
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.53
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.53
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.53
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.53
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.53
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.53
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.53
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.53
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.53
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.53
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.53
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.53
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.53
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.53
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	8	2.52
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	8	2.52
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	8	2.52
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	8	2.52
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	8	2.52
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	8	2.52
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	8	2.52
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	8	2.52
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	8	2.52
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	8	2.52
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	8	2.52
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	8	2.52
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	8	2.52
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	8	2.52
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	8	2.52
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	8	2.52
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	8	2.52
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	8	2.52
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.52
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.52
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.52
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.52

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.52
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.52
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.52
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.52
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.52
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.52
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.52
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.52
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.52
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.52
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.52
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.52
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.52
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.52
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.52
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.52
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.52
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.52
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.52
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.52
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.52
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.52
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.52
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.5
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.5
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.5
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.5
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.5
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.5
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.48

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.48
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.48
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.48
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.48
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.48
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.48
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.48
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.48
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.48
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.48
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.48
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.48
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.48
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.48
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.48
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.48
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.48
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.48
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.48
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.48
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.48
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.48
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.48
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.48
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.48
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.48
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.48
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.48

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.48
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.47
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.47
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.47
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.47
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.47
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.47
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.47
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.47
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.47
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.46
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.46
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.46
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.46
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.46
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.46
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.46

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.46
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.46
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.46
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.46
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.46
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.46
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.46
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.46
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.46
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.46
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.46
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.46
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.46
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.46
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.46
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.46
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.46
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.46
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.46
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.46
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	12	2.45
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	12	2.45
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	12	2.45
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	12	2.45
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	12	2.45
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	12	2.45
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	12	2.45
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	12	2.45
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	12	2.45
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	8	2.44
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	2.44
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	2.44
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	2.44
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	2.44
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	2.44
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	2.44
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	2.44
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	2.44
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	8	2.44
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	2.44
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	2.44
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	2.44

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	2.44
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	2.44
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	2.44
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	2.44
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	2.44
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	8	2.44
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	2.44
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	2.44
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	2.44
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	2.44
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	2.44
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	2.44
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	2.44
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	2.44
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	2.44
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	2.44
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	2.44
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	2.44
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	2.44
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	2.44
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.43
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.43
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.43
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.43
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.43
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.43
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.43
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.43
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.43
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.43
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.43
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.43
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.43
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.43
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.43
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.43
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.43
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.43
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.43
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.43
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.43
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.43

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.43
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.43
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.43
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.43
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.43
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.42
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.42
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.42
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.42
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.42
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.42
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.42
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.42
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.42
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.42
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.42
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.42
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.42
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.42
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.42
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.42
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.42
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.42
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.42
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.42
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.42
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.42
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.42
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.42
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.42
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.42
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.42
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.41
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.41
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.41
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.41
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.41
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.41
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.41
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.41
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.41
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.41

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.41
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.41
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.41
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.41
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.41
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.41
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.41
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.41
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.41
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.41
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.41
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.41
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.41
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.41
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.41
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.41
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.41
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.39
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.39
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.39
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.39
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.39
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.39
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.39
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.39
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.39
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.39
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.39
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.39
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.39
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.39
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.39
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.39
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.39
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.39
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.39
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.39
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.39
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.39
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.39
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.39
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.39

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.39
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.39
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.38
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.38
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.38
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.38
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	4	2.38
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	4	2.38
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	4	2.38
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	4	2.38
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	4	2.38
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.38
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.38
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.38
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.38
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	4	2.38
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	4	2.38
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	4	2.38
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	4	2.38
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	4	2.38
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.38
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.38
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.38
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.38
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	4	2.38
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	4	2.38
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	4	2.38
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	4	2.38
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	4	2.38
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	13	2.37
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	13	2.37
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	13	2.37
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	13	2.37
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	13	2.37
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	13	2.37
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	13	2.37
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	13	2.37
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	13	2.37
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	6	2.36
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	6	2.36
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	6	2.36
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	6	2.36

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	6	2.36
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	6	2.36
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	6	2.36
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	6	2.36
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	6	2.36
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	6	2.36
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	6	2.36
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	6	2.36
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	6	2.36
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	6	2.36
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	6	2.36
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	6	2.36
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	6	2.36
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	6	2.36
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	6	2.36
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	6	2.36
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	6	2.36
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	6	2.36
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	6	2.36
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	6	2.36
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	6	2.36
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	6	2.36
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	6	2.36
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	10	2.33
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	10	2.33
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	10	2.33
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	10	2.33
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	10	2.33
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	10	2.33
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	10	2.31
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	10	2.31
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	10	2.31
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	10	2.31
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	10	2.31
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	10	2.31
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	10	2.31
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	10	2.31
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	10	2.31
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	10	2.31
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	10	2.31
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	10	2.31
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	10	2.31

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	10	2.31
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	10	2.31
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	10	2.31
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	10	2.31
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	10	2.31
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	10	2.31
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	10	2.31
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	10	2.31
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	10	2.31
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	10	2.31
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	10	2.31
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	10	2.31
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	10	2.31
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	10	2.31
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	7	2.3
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	7	2.3
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	7	2.3
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	7	2.3
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	7	2.3
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	7	2.3
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	7	2.3
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	7	2.3
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	7	2.3
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	15	2.23
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	15	2.23
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	15	2.23
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	15	2.23
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	15	2.23
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	15	2.23
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	15	2.23
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	15	2.23
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	15	2.23
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	15	2.23
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	15	2.23
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	15	2.23
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	15	2.23
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	15	2.23
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	15	2.23
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	15	2.23
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	15	2.23
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	15	2.23
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.2
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.2
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.2
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.2
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.2
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.2
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.2
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.2
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.2
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.2
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.2
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.2
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.2
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.2
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.2
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.2
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.2
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.2
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.2
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.2
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.2
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.2
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.2
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.2
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.2
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.2
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.16
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.16
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.16
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.16
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.16
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.16
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	2.16
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	2.16
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	2.16
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	2.16
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	2.16
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	2.16
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	2.16
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	2.16
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	2.16
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	11	2.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	11	2.15
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	11	2.15
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	11	2.15
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	11	2.15
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	11	2.15
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	11	2.15
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	11	2.15
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	11	2.15
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	11	2.15
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	11	2.15
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	11	2.15
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	11	2.15
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	11	2.15
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	11	2.15
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	11	2.15
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	11	2.15
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	11	2.15
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.14
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.14
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.14
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.14
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.14
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.14
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.14
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.14
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.14
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	2.11
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	2.11
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	2.11
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	2.11
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	2.11
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	2.11
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	2.11
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	2.11
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	2.11
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	6	2.09
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	6	2.09
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	6	2.09
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	6	2.09
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	6	2.09
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	6	2.09
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	6	2.09

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	6	2.09
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	6	2.09
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	6	2.09
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	6	2.09
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	6	2.09
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	6	2.09
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	6	2.09
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	6	2.09
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	6	2.09
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	6	2.09
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	6	2.09
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	6	2.09
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	6	2.09
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	6	2.09
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	6	2.09
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	6	2.09
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	6	2.09
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	6	2.09
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	6	2.09
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	6	2.09
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	6	2.09
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	6	2.09
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	6	2.09
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	6	2.09
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	6	2.09
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	6	2.09
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	6	2.09
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	6	2.09
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	6	2.09
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	2.09
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	2.09
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	2.09
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	2.09
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	2.09
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	2.09
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	2.09
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	2.09
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	2.09
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	2.09
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	2.09
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	2.09
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	2.09

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	2.09
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	2.09
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	2.09
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	2.09
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	2.09
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.08
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.08
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.08
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.08
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.08
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.08
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	2.06
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	2.06
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	2.06
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	2.06
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	2.06
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	2.06
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	2.06
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	2.06
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	2.06
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	2.06
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	2.06
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	2.06
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	2.06
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	2.06
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	2.06
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	2.06
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	2.06
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	2.06
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	5	2.05
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	5	2.05
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	5	2.05
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	5	2.05
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	5	2.05
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	5	2.05
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	5	2.05
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	5	2.05
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	5	2.05
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	5	2.05
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	5	2.05
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	5	2.05
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	5	2.05

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	5	2.05
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	5	2.05
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	5	2.05
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	5	2.05
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	5	2.05
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	2.03
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	2.03
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	2.03
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	2.03
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	2.03
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	2.03
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	2.03
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	2.03
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	2.03
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	2.03
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	2.03
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	2.03
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	2.03
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	2.03
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	2.03
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	6	2.02
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	6	2.02
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	6	2.02
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	6	2.02
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	6	2.02
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	6	2.02
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	6	2.02
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	6	2.02
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	6	2.02
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	6	2.02
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	6	2.02
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	6	2.02
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	6	2.02
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	6	2.02
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	6	2.02
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	6	2.02
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	6	2.02
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	6	2.02
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	2.01
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	2.01
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	2.01
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	2.01

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	2.01
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	2.01
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	2.01
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	2.01
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	2.01
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	2.01
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	2.01
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	2.01
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	2.01
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	2.01
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	2.01
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	2.01
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	2.01
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	2.01
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	2.01
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	2.01
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	2.01
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	2.01
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	2.01
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	2.01
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	2.01
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	2.01
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	2.01
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	2.01
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	2.01
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	2.01
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	2.01
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	2.01
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	2.01
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	2.01
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	2.01
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	2.01
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	2.01
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	2.01
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	2.01
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	2.01
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	2.01
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	2.01
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	9	1.99
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	9	1.99
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	9	1.99
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	9	1.99

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	9	1.99
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	9	1.99
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	9	1.99
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	9	1.99
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	9	1.99
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	9	1.99
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	9	1.99
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	9	1.99
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	9	1.99
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	9	1.99
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	9	1.99
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	9	1.99
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	9	1.99
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	9	1.99
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	7	1.99
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	7	1.99
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	7	1.99
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	7	1.99
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	7	1.99
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	7	1.99
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.97
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.97
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.97
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.97
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.97
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.97
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.97
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.97
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.97
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	4	1.96
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	4	1.96
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	4	1.96
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	4	1.96
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	4	1.96
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	4	1.96
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	1.96
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	1.96
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	1.96
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	1.96
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	1.96
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	1.96
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	4	1.96

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	4	1.96
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	4	1.96
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	4	1.96
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	4	1.96
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	4	1.96
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	1.96
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	1.96
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	1.96
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	1.96
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	1.96
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	1.96
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	4	1.96
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	4	1.96
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	4	1.96
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	4	1.96
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	4	1.96
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	4	1.96
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	1.96
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	1.96
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	1.96
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	1.96
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	1.96
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	1.96
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	1.95
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	1.95
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	1.95
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	1.95
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	1.95
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	1.95
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	1.95
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	1.95
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	1.95
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	1.94
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	1.94
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	1.94
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	1.94
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	1.94
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	1.94
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	1.94
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	1.94
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	1.94
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	1.94

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	1.94
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	1.94
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	1.94
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	1.94
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	1.94
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	1.94
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	1.94
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	1.94
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	15	1.91
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	15	1.91
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	15	1.91
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	15	1.91
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	15	1.91
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	15	1.91
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	15	1.91
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	15	1.91
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	15	1.91
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	15	1.91
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	15	1.91
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	15	1.91
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	15	1.91
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	15	1.91
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	15	1.91
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	15	1.91
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	15	1.91
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	15	1.91
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	2	1.91
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	2	1.91
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	2	1.91
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	2	1.91
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	2	1.91
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	2	1.91
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	2	1.91
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	2	1.91
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	2	1.91
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	2	1.91
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	2	1.91
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	2	1.91
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	2	1.91
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	2	1.91
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	2	1.91
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	2	1.91

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	2	1.91
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	2	1.91
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	5	1.9
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	5	1.9
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	5	1.9
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	5	1.9
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	5	1.9
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	5	1.9
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	12	1.9
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	12	1.9
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	12	1.9
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	12	1.9
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	12	1.9
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	12	1.9
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	5	1.9
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	5	1.9
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	5	1.9
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	5	1.9
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	5	1.9
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	5	1.9
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	12	1.9
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	12	1.9
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	12	1.9
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	12	1.9
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	12	1.9
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	12	1.9
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	5	1.9
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	5	1.9
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	5	1.9
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	5	1.9
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	5	1.9
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	5	1.9
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	12	1.9
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	12	1.9
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	12	1.9
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	12	1.9
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	12	1.9
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	12	1.9
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	14	1.88
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	14	1.88
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	14	1.88
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	14	1.88

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	14	1.88
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	14	1.88
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	14	1.88
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	14	1.88
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	14	1.88
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	14	1.88
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	14	1.88
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	14	1.88
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	14	1.88
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	14	1.88
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	14	1.88
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	14	1.88
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	14	1.88
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	14	1.88
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	1.88
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	1.88
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	1.88
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	1.88
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	1.88
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	1.88
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	1.87
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	1.87
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	1.87
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	1.87
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	1.87
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	1.87
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	1.87
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	1.87
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	1.87
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	1.85
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	1.85
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	1.85
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	1.85
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	1.85
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	1.85
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	1.85
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	1.85
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	1.85
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	12	1.83
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	12	1.83
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	12	1.83
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	12	1.83

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	12	1.83
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	12	1.83
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	12	1.83
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	12	1.83
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	12	1.83
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	12	1.83
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	12	1.83
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	12	1.83
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	12	1.83
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	12	1.83
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	12	1.83
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	12	1.83
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	12	1.83
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	12	1.83
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	1.78
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	1.78
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	1.78
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	1.78
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	1.78
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	1.78
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	1.74
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	1.74
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	1.74
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	1.74
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	1.74
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	1.74
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	1.74
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	1.74
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	1.74
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	1.73
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	1.73
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	1.73
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	1.73
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	1.73
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	1.73
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	1.73
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	1.73
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	1.73
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	3	1.68
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	3	1.68
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	3	1.68
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	3	1.68

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	3	1.68
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	3	1.68
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	3	1.68
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	3	1.68
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	3	1.68
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	3	1.68
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	3	1.68
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	3	1.68
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	3	1.68
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	3	1.68
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	3	1.68
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	3	1.68
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	3	1.68
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	3	1.68
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	1.68
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	1.68
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	1.68
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	1.68
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	1.68
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	1.68
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	1.68
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	1.68
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	1.68
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	1.68
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	1.68
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	1.68
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	1.68
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	1.68
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	1.68
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	1.68
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	1.68
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	1.68
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	1.66
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	1.66
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	1.66
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	1.66
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	1.66
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	1.66
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	1.66
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	1.66
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	1.66
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	3	1.65

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	3	1.65
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	3	1.65
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	3	1.65
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	3	1.65
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	3	1.65
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	3	1.65
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	3	1.65
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	3	1.65
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	3	1.65
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	3	1.65
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	3	1.65
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	3	1.65
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	3	1.65
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	3	1.65
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	3	1.65
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	3	1.65
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	3	1.65
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	1.64
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	1.64
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	1.64
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	1.64
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	1.64
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	1.64
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	1.64
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	1.64
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	1.64
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	4	1.64
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	4	1.64
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	4	1.64
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	4	1.64
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	4	1.64
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	4	1.64
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	4	1.64
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	4	1.64
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	4	1.64
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	4	1.64
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	4	1.64
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	4	1.64
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	4	1.64
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	4	1.64
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	4	1.64
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	4	1.64

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	4	1.64
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	4	1.64
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	10	1.63
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	10	1.63
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	10	1.63
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	10	1.63
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	10	1.63
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	10	1.63
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	10	1.63
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	10	1.63
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	10	1.63
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	10	1.63
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	10	1.63
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	10	1.63
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	10	1.63
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	10	1.63
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	10	1.63
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	10	1.63
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	10	1.63
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	10	1.63
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.63
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.63
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.63
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.63
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.63
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.63
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.63
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.63
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.63
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.63
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.63
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.63
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.63
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.63
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.63
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.63
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.63
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.63
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.61
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.61
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.61
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.61

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.61
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.61
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.61
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.61
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.61
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	1.59
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	1.59
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	1.59
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	1.59
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	1.59
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	1.59
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	11	1.57
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	11	1.57
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	11	1.57
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	11	1.57
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	11	1.57
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	11	1.57
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	11	1.57
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	11	1.57
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	11	1.57
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	11	1.57
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	11	1.57
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	11	1.57
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	11	1.57
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	11	1.57
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	11	1.57
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	11	1.57
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	11	1.57
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	11	1.57
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	1.54
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	1.54
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	1.54
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	1.54
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	1.54
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	1.54
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	1.53
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	1.53
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	1.53
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	1.53
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	1.53
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	1.53
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	1.53

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	1.53
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	1.53
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.52
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.52
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.52
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.52
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.52
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.52
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.52
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.52
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.52
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.52
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.52
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.52
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.52
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.52
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.52
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.52
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.52
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.52
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	1.49
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	1.49
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	1.49
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	1.49
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	1.49
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	1.49
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	1.49
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	1.49
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	1.49
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	1	1.46
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	1	1.46
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	1	1.46
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	1	1.46
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	1	1.46
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	1	1.46
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	1	1.46
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	1	1.46
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	1	1.46
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	1	1.46
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	1	1.46
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	1	1.46
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	1	1.46

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	1	1.46
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	1	1.46
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	1	1.46
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	1	1.46
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	1	1.46
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	1.45
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	1.45
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	1.45
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	1.45
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	1.45
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	1.45
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.44
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.44
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.44
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.44
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.44
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.44
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.44
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.44
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.44
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.44
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.44
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.44
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.44
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.44

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.44
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.44
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.44
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.44
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.44
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	1.42
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	8	1.42
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	8	1.42
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	1.42
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	8	1.42
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	8	1.42
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	1.42
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	8	1.42
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	8	1.42
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	11	1.41
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	11	1.41
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	11	1.41
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	11	1.41
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	11	1.41
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	11	1.41
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	11	1.41
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	11	1.41
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	11	1.41
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	11	1.41
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	11	1.41
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	11	1.41
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	11	1.41
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	11	1.41
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	11	1.41
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	11	1.41
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	11	1.41
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	11	1.41
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	1.41
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	1.41
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	1.41
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	1.41
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	1.41
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	1.41
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	1.41
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	1.41
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	1.41
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	1.41

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	1.41
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	1.41
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	1.41
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	1.41
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	1.41
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	1.41
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	1.41
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	1.41
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	13	1.37
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	13	1.37
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	13	1.37
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	13	1.37
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	13	1.37
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	13	1.37
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	13	1.37
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	13	1.37
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	13	1.37
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	13	1.37
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	13	1.37
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	13	1.37
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	13	1.37
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	13	1.37
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	13	1.37
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	13	1.37
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	13	1.37
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	13	1.37
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	1.37
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	1.37
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	1.37
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	1.37
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	1.37
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	1.37
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	1.37
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	1.37
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	1.37
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	2	1.36
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	2	1.36
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	2	1.36
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	2	1.36
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	2	1.36
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	2	1.36
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	2	1.36

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	2	1.36
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	2	1.36
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	2	1.36
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	2	1.36
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	2	1.36
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	2	1.36
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	2	1.36
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	2	1.36
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	2	1.36
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	2	1.36
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	2	1.36
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	4	1.35
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	4	1.35
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	4	1.35
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	4	1.35
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	4	1.35
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	4	1.35
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	4	1.35
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	4	1.35
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	4	1.35
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	4	1.35
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	4	1.35
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	4	1.35
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	4	1.35
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	4	1.35
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	4	1.35
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	4	1.35
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	4	1.35
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	4	1.35
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	7	1.35
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	7	1.35
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	7	1.35
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	7	1.35
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	7	1.35
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	7	1.35
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	7	1.35
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	7	1.35
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	7	1.35
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	7	1.35
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	7	1.35
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	7	1.35
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	7	1.35

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	7	1.35
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	7	1.35
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	7	1.35
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	7	1.35
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	7	1.35
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	1.35
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	1.35
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	1.35
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	1.35
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	1.35
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	1.35
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	1.35
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	1.35
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	1.35
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	9	1.33
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	9	1.33
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	9	1.33
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	9	1.33
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	9	1.33
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	9	1.33
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	9	1.33
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	9	1.33
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	9	1.33
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	9	1.33
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	9	1.33
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	9	1.33
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	9	1.33
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	9	1.33
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	9	1.33
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	9	1.33
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	9	1.33
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	9	1.33
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	10	1.32
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	10	1.32
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	10	1.32
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	10	1.32
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	10	1.32
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	10	1.32
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	10	1.32
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	10	1.32
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	10	1.32
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	10	1.32

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	10	1.32
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	10	1.32
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	10	1.32
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	10	1.32
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	10	1.32
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	10	1.32
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	10	1.32
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	10	1.32
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	1.31
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	1.31
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	1.31
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	1.31
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	1.31
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	1.31
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	1.31
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	1.31
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	1.31
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	1.29
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	1.29
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	1.29
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.29
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.29
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.29
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	1.29
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	1.29
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	1.29
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.29
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.29
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.29
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	1.29
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	1.29
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	1.29
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.29
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.29
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.29
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	1.27
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	1.27
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	1.27
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	1.27
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	1.27
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	1.27
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	1.27

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	1.27
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	1.27
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	1.26
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	1.26
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	1.26
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.26
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.26
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.26
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.26
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.26
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.26
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	1.26
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	1.26
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	1.26
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.26
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.26
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.26
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.26
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.26
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.26
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	1.26
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	1.26
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	1.26
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.26
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.26
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.26
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.26
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.26
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.26
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	1.25
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	1.25
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	1.25
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	1.25
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	1.25
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	1.25
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	1.25
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	1.25
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	1.25
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	1.25
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	1.25
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	1.25
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	1.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	1.25
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	1.25
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	1.25
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	1.25
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	1.25
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	1.24
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	1.24
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	1.24
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	1.24
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	1.24
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	1.24
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	1.24
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	1.24
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	1.24
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	7	1.24
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	7	1.24
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	7	1.24
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	7	1.24
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	7	1.24
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	7	1.24
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	7	1.24
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	7	1.24
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	7	1.24
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	7	1.24
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	7	1.24
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	7	1.24
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	7	1.24
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	7	1.24
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	7	1.24
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	7	1.24
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	7	1.24
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	7	1.24
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	1.23
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	1.23
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	1.23
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	1.23
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	1.23
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	1.23
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	1.23
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	1.23
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	1.23
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.23
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.23
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.23
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.23
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.23
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.23
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.23
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.23
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	1.23
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	1.23
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	1.23
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	1.23
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	1.23
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	1.23
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.23
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.23
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.23
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.23
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.23
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.23
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	1.23
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	1.23
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	1.23
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	1.23
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	1.23
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	1.23
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.23
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.23
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.23
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.23
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.23
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.23
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	1.23
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	1.23
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	1.23
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	1.23
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	1.23
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	1.23
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.23
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.23
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.23
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.23
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.23
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.21
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.21
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.21
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.21
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.21
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.21
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.21
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.21
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.21
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.21
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.21
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.21
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.21
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.21
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.21
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.21
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.21
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.21
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.21
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.21
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.21
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.21
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.21
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.21
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.21
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.21
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.21
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	1.2
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	1.2
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	1.2
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	1.2
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	1.2
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	1.2
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	1.2
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	1.2
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	1.2
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.15
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.15
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.15
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.15

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.15
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.15
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.15
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.15
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.15
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	10	1.13
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	10	1.13
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	10	1.13
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	10	1.13
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	10	1.13
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	10	1.13
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	10	1.13
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	10	1.13
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	10	1.13
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	8	1.13
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	8	1.13
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	8	1.13
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	8	1.13
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	8	1.13
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	8	1.13
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	8	1.13
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	8	1.13
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	8	1.13
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	8	1.13
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	8	1.13
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	8	1.13
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	8	1.13
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	8	1.13
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	8	1.13
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	8	1.13
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	8	1.13
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	8	1.13
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	13	1.12
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	13	1.12
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	13	1.12
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	13	1.12
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	13	1.12
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	13	1.12
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	13	1.12
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	13	1.12
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	13	1.12
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.09

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.09
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.09
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.09
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.09
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.09
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.09
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.09
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.09
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	1.09
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	1.09
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	1.09
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	1.09
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	1.09
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	1.09
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	1.09
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	1.09
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	1.09
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	1.09
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	1.09
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	1.09
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	1.09
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	1.09
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	1.09
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	1.09
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	1.09
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	1.09
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	7	1.08
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	7	1.08
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	7	1.08
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	7	1.08
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	7	1.08
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	7	1.08
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	7	1.08
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	7	1.08
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	7	1.08
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	7	1.08
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	7	1.08
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	7	1.08
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	7	1.08
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	7	1.08
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	7	1.08
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	7	1.08

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	7	1.08
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	7	1.08
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	8	1.06
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	8	1.06
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	8	1.06
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	8	1.06
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	8	1.06
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	8	1.06
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	8	1.06
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	8	1.06
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	8	1.06
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	8	1.06
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	8	1.06
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	8	1.06
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	8	1.06
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	8	1.06
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	8	1.06
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	8	1.06
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	8	1.06
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	8	1.06
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	5	1.02
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	5	1.02
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	5	1.02
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	3	1.01
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	6	1.01
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	3	1.01
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	6	1.01
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	3	1.01
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	6	1.01
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	1.01
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	1.01
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	1.01
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	1.01
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	1.01
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	1.01
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	1.01
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	1.01
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	1.01
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	1.01
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	1.01
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	1.01
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	1.01

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	1.01
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	1.01
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	1.01
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	1.01
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	1.01
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	0.99
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	0.99
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	0.99
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	0.99
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	0.99
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	0.99
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	0.99
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	0.99
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	0.99
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	15	0.98
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	15	0.98
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	15	0.98
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	2	0.96
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	4	0.96
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	2	0.96
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	4	0.96
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	2	0.96
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	4	0.96
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	13	0.96
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	13	0.96
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	13	0.96
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	13	0.96
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	13	0.96
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	13	0.96
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	2	0.95
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	2	0.95
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	2	0.95
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	2	0.95
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	2	0.95
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	2	0.95
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	3	0.94
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	3	0.94
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	3	0.94
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	3	0.94
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	3	0.94
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	3	0.94
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	3	0.94

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	3	0.94
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	3	0.94
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	6	0.93
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	6	0.93
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	6	0.93
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	15	0.93
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	15	0.93
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	15	0.93
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	6	0.93
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	6	0.93
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	6	0.93
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	15	0.93
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	15	0.93
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	15	0.93
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	6	0.93
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	6	0.93
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	6	0.93
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	15	0.93
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	15	0.93
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	15	0.93
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	11	0.92
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	11	0.92
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	11	0.92
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	8	0.92
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	8	0.92
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	8	0.92
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	8	0.92
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	8	0.92
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	8	0.92
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	8	0.92
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	8	0.92
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	8	0.92
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	1	0.91
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	1	0.91
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	1	0.91
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	1	0.91
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	1	0.91
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	1	0.91
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	11	0.9
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	11	0.9
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	11	0.9
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	8	0.89

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	8	0.89
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	8	0.89
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	13	0.89
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	13	0.89
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	13	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	8	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	8	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	8	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	13	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	13	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	13	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	8	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	8	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	8	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	13	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	13	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	13	0.89
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	7	0.87
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	1	0.87
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	6	0.87
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	12	0.87
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	12	0.87
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	7	0.87
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	1	0.87
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	6	0.87
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	12	0.87
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	12	0.87
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	7	0.87
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	1	0.87
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	6	0.87
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	12	0.87
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	12	0.87
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	7	0.87
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	7	0.87
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	7	0.87
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	7	0.87
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	7	0.87
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	7	0.87
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	1	0.86
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	1	0.86
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	1	0.86
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	8	0.86

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	8	0.86
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	8	0.86
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	8	0.86
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	8	0.86
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	8	0.86
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	8	0.86
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	8	0.86
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	8	0.86
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	8	0.86
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	8	0.86
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	8	0.86
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	8	0.86
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	8	0.86
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	8	0.86
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	8	0.86
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	8	0.86
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	8	0.86
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	10	0.85
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	14	0.85
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	10	0.85
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	14	0.85
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	10	0.85
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	14	0.85
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	9	0.84
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	11	0.84
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	11	0.84
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	11	0.84
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	12	0.84
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	12	0.84
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	12	0.84
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	9	0.84
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	11	0.84
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	11	0.84
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	11	0.84
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	12	0.84
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	12	0.84
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	12	0.84
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	9	0.84
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	11	0.84
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	11	0.84
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	11	0.84
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	12	0.84

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	12	0.84
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	12	0.84
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	10	0.84
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	10	0.84
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	10	0.84
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	10	0.84
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	10	0.84
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	10	0.84
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	14	0.84
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	14	0.84
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	14	0.84
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	14	0.84
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	14	0.84
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	14	0.84
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	14	0.84
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	14	0.84
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	14	0.84
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	14	0.84
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	14	0.84
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	14	0.84
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	14	0.84
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	14	0.84
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	14	0.84
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	14	0.84
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	14	0.84
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	14	0.84
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	14	0.83
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	14	0.83
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	14	0.83
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	14	0.83
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	14	0.83
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	14	0.83
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	12	0.82
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	12	0.82
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	12	0.82
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	4	0.81
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	4	0.81
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	4	0.81
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	5	0.81
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	10	0.81
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	4	0.81
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	4	0.81

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	4	0.81
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	5	0.81
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	10	0.81
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	4	0.81
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	4	0.81
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	4	0.81
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	5	0.81
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	10	0.81
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	8	0.8
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.8
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	8	0.8
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.8
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	8	0.8
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.8
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	1	0.79
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	1	0.79
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	1	0.79
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	9	0.79
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	9	0.79
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	9	0.79
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	4	0.79
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	1	0.79
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	1	0.79
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	1	0.79
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	9	0.79
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	9	0.79
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	9	0.79
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	4	0.79
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	1	0.79
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	1	0.79
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	1	0.79
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	9	0.79
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	9	0.79
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	9	0.79
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	4	0.79
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	5	0.78
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	5	0.78
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	5	0.78
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	3	0.78
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	14	0.78
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	7	0.78
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	5	0.78

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	5	0.78
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	5	0.78
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	5	0.78
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	5	0.78
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	3	0.78
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	14	0.78
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	7	0.78
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	5	0.78
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	5	0.78
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	5	0.78
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	5	0.78
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	5	0.78
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	3	0.78
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	14	0.78
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	7	0.78
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	5	0.78
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	5	0.78
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	5	0.78
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	5	0.78
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	5	0.78
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	5	0.78
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	5	0.78
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	5	0.78
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	5	0.78
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	5	0.78
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	5	0.78
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	5	0.78
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	5	0.78
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	5	0.78
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	5	0.78
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	5	0.78
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	5	0.78
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	5	0.78
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	5	0.78
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	5	0.78
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	14	0.77
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	12	0.77
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	6	0.77
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	6	0.77
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	14	0.77
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	12	0.77
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	6	0.77

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	6	0.77
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	14	0.77
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	12	0.77
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	6	0.77
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	6	0.77
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	15	0.77
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	15	0.77
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	15	0.77
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	15	0.77
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	15	0.77
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	15	0.77
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	15	0.77
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	15	0.77
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	15	0.77
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	15	0.77
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	15	0.77
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	15	0.77
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	15	0.77
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	15	0.77
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	15	0.77
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	15	0.77
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	15	0.77
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	15	0.77
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	0.77
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	0.77
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	0.77
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	0.77
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	0.77
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	0.77
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	0.77
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	0.77
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	0.77
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	9	0.76
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	2	0.76
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	2	0.76
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	2	0.76
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	2	0.76
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	8	0.76
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	9	0.76
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	2	0.76
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	2	0.76
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	2	0.76

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	2	0.76
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	8	0.76
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	9	0.76
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	2	0.76
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	2	0.76
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	2	0.76
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	2	0.76
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	8	0.76
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	14	0.75
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	14	0.75
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	14	0.75
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.75
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	14	0.75
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	14	0.75
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	14	0.75
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.75
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	14	0.75
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	14	0.75
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	14	0.75
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.75
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	3	0.75
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	3	0.75
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	3	0.75
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	3	0.75
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	3	0.75
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	3	0.75
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	3	0.75
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	3	0.75
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	3	0.75
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	3	0.75
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	3	0.75
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	3	0.75
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	3	0.75
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	3	0.75
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	3	0.75
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	3	0.75
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	3	0.75
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	3	0.75
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	0.75
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	0.75
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	0.75
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	0.75

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	0.75
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	0.75
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	0.75
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	0.75
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	0.75
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	0.75
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	0.75
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	0.75
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	0.75
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	0.75
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	0.75
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	0.75
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	0.75
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	0.75
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	0.74
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	0.74
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	0.74
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	0.74
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	0.74
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	0.74
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	0.74
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	0.74
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	0.74
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	0.74
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	0.74
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	0.74
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	0.74
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	0.74
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	0.74
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	0.74
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	0.74
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	0.74
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	0.74
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	0.74
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	0.74
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	0.74
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	0.74
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	0.74
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	0.74
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	0.74
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	0.74
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	0.74

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	0.74
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	0.74
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	0.74
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	0.74
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	0.74
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	0.74
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	0.74
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	0.74
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	12	0.73
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	12	0.73
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	12	0.73
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	2	0.72
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	2	0.72
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	2	0.72
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.72
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	2	0.72
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	2	0.72
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	2	0.72
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.72
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	2	0.72
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	2	0.72
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	2	0.72
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.72
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	10	0.71
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	10	0.71
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	10	0.71
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.71
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	10	0.71
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	10	0.71
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	10	0.71
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.71
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	10	0.71
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	10	0.71
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	10	0.71
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.71
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	0.71
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	0.71
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	0.71
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	0.71
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	0.71
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	0.71
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	0.71

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	0.71
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	0.71
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	0.71
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	0.71
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	0.71
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	0.71
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	0.71
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	0.71
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	0.71
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	0.71
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	0.71
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	7	0.7
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	7	0.7
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	7	0.7
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	7	0.7
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	7	0.7
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	7	0.7
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	7	0.7
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	7	0.7
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	7	0.7
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	7	0.7
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	7	0.7
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	7	0.7
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	6	0.7
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	6	0.7
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	6	0.7
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	6	0.7
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	6	0.7
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	6	0.7
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	6	0.7
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	0.7
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	0.7
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	6	0.7
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	6	0.7
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	6	0.7
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	6	0.7
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	6	0.7
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	6	0.7
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	6	0.7
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	0.7
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	0.7
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	6	0.7

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	6	0.7
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	6	0.7
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	6	0.7
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	6	0.7
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	6	0.7
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	6	0.7
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	0.7
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	0.7
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	0.7
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	0.7
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	0.7
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	0.7
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	0.7
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	0.7
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	0.7
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	0.7
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	0.7
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	0.7
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	0.7
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	0.7
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	0.7
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	0.7
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	0.7
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	0.7
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	0.7
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	0.7
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	0.7
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	0.7
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	0.7
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	0.7
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	0.7
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	0.7
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	0.7
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	0.7
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	0.7
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	0.7
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	0.7
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	0.7
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	0.7
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	0.7
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	0.7
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	0.7

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	0.7
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	0.7
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	13	0.69
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	13	0.69
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	13	0.69
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	0.69
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	0.69
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	0.69
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	0.69
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	0.69
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	0.69
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	0.69
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	0.69
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	0.69
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	0.69
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	0.69
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	0.69
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	0.69
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	0.69
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	0.69
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	0.69
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	0.69
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	0.69
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	7	0.68
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	13	0.68
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	14	0.68
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	7	0.68
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	13	0.68
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	14	0.68
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	7	0.68
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	13	0.68
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	14	0.68
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	0.68
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	0.68
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	0.68
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	0.68
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	0.68
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	0.68
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	0.68
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	0.68
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	0.68
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	0.68

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	0.68
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	0.68
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	0.68
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	0.68
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	0.68
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	0.68
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	0.68
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	0.68
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	8	0.67
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	6	0.67
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	10	0.67
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	2	0.67
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	14	0.67
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	14	0.67
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	14	0.67
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	8	0.67
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	6	0.67
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	10	0.67
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	2	0.67
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	14	0.67
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	14	0.67
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	14	0.67
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	8	0.67
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	6	0.67
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	10	0.67
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	2	0.67
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	14	0.67
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	14	0.67
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	14	0.67
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	15	0.66
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	13	0.66
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	15	0.66
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	13	0.66
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	15	0.66
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	13	0.66
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	0.66
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	0.66
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	0.66
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	0.66
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	0.66
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	0.66
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	0.66

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	0.66
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	0.66
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	0.66
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	0.66
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	0.66
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	0.66
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	0.66
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	0.66
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	0.66
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	0.66
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	0.66
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	2	0.65
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	3	0.65
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.65
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	3	0.65
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	2	0.65
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	3	0.65
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.65
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	3	0.65
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	2	0.65
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	3	0.65
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.65
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	3	0.65
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	5	0.65
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	5	0.65
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	5	0.65
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	5	0.65
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	5	0.65
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	5	0.65
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	5	0.65
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	5	0.65
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	5	0.65
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	5	0.65
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	5	0.65
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	5	0.65
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	5	0.65
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	5	0.65
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	5	0.65
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	5	0.65
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	5	0.65
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	5	0.65
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.65

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.65
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.65
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.65
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.65
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.65
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.65
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.65
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.65
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	8	0.64
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	11	0.64
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	12	0.64
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	10	0.64
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	7	0.64
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	8	0.64
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	11	0.64
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	12	0.64
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	10	0.64
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	7	0.64
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	8	0.64
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	11	0.64
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	12	0.64
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	10	0.64
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	7	0.64
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	12	0.63
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	12	0.63
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	4	0.63
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	5	0.63
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.63
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.63
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.63
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	1	0.63
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.63
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.63
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.63
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	12	0.63
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	12	0.63
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	4	0.63
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	5	0.63
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.63
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.63
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.63
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	1	0.63

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.63
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.63
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.63
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	12	0.63
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	12	0.63
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	4	0.63
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	5	0.63
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.63
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.63
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.63
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	1	0.63
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.63
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.63
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.63
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	7	0.62
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	14	0.62
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	14	0.62
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	14	0.62
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	7	0.62
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	7	0.62
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	14	0.62
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	14	0.62
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	14	0.62
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	7	0.62
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	7	0.62
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	14	0.62
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	14	0.62
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	14	0.62
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	7	0.62
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	9	0.61
(1,1101)	1:759:C:ASP:H	1:759:C:ASP:HB3	13	0.61
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	3	0.61
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	3	0.61
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	3	0.61
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	5	0.61
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	5	0.61
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	5	0.61
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	9	0.61
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	9	0.61
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	9	0.61
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	9	0.61
(1,760)	1:759:C:ASP:H	1:759:C:ASP:HB3	13	0.61

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	3	0.61
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	3	0.61
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	3	0.61
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	5	0.61
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	5	0.61
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	5	0.61
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	9	0.61
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	9	0.61
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	9	0.61
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	9	0.61
(1,419)	1:759:C:ASP:H	1:759:C:ASP:HB3	13	0.61
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	3	0.61
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	3	0.61
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	3	0.61
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	5	0.61
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	5	0.61
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	5	0.61
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	9	0.61
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	9	0.61
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	9	0.61
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	13	0.6
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	4	0.6
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	4	0.6
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	4	0.6
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	11	0.6
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	11	0.6
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	11	0.6
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	13	0.6
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	4	0.6
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	4	0.6
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	4	0.6
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	11	0.6
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	11	0.6
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	11	0.6
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	13	0.6
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	4	0.6
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	4	0.6
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	4	0.6
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	11	0.6
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	11	0.6
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	11	0.6
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	2	0.6

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	2	0.6
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	2	0.6
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	2	0.6
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	2	0.6
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	2	0.6
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	2	0.6
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	2	0.6
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	2	0.6
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	2	0.6
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	2	0.6
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	2	0.6
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	2	0.6
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	2	0.6
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	2	0.6
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	2	0.6
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	2	0.6
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	2	0.6
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	0.6
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	0.6
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	0.6
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	0.6
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	0.6
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	0.6
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	0.6
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	0.6
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	0.6
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.6
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.6
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.6
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.6
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.6
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.6
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.6
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.6
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.6
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	0.6
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	0.6
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	0.6
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	0.6
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	0.6
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	0.6
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	0.6

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	0.6
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	0.6
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.6
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.6
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.6
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.6
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.6
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.6
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.6
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.6
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.6
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	6	0.59
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	9	0.59
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.59
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.59
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.59
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	6	0.59
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	9	0.59
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.59
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.59
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.59
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	6	0.59
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	9	0.59
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.59

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.59
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.59
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	5	0.59
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	5	0.59
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	5	0.59
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	5	0.59
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	5	0.59
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	5	0.59
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	5	0.59
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	5	0.59
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	5	0.59
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	5	0.59
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	5	0.59
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	5	0.59
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	5	0.59
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	5	0.59
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	5	0.59
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	5	0.59
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	5	0.59
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	5	0.59
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	5	0.59
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	5	0.59
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	5	0.59
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	5	0.59
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	5	0.59
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	5	0.59
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	5	0.59
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	5	0.59
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	5	0.59
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	12	0.58
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	5	0.58
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.58
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	14	0.58
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	14	0.58
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	14	0.58
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	14	0.58
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	14	0.58
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	14	0.58
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	15	0.58
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	15	0.58
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	15	0.58
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	10	0.58

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	5	0.58
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	5	0.58
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	5	0.58
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	12	0.58
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	5	0.58
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.58
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	14	0.58
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	14	0.58
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	14	0.58
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	14	0.58
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	14	0.58
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	14	0.58
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	15	0.58
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	15	0.58
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	15	0.58
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	10	0.58
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	5	0.58
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	5	0.58
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	5	0.58
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	12	0.58
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	5	0.58
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.58
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	14	0.58
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	14	0.58
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	14	0.58
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	14	0.58
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	14	0.58
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	14	0.58
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	15	0.58
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	15	0.58
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	15	0.58
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	10	0.58
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	5	0.58
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	5	0.58
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	5	0.58
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	8	0.58
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	8	0.58
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	8	0.58
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	8	0.58
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	8	0.58
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	8	0.58
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	2	0.58

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	2	0.58
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	2	0.58
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	2	0.58
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	2	0.58
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	2	0.58
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	2	0.58
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	2	0.58
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	2	0.58
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	9	0.57
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	9	0.57
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	9	0.57
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	9	0.57
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	9	0.57
(1,1008)	1:707:C:ARG:H	1:707:C:ARG:HG2	7	0.57
(1,1008)	1:707:C:ARG:H	1:707:C:ARG:HG3	7	0.57
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	4	0.57
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	4	0.57
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	4	0.57
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	5	0.57
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	6	0.57
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	9	0.57
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	9	0.57
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	9	0.57
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	9	0.57
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	9	0.57
(1,667)	1:707:C:ARG:H	1:707:C:ARG:HG2	7	0.57
(1,667)	1:707:C:ARG:H	1:707:C:ARG:HG3	7	0.57
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	4	0.57
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	4	0.57
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	4	0.57
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	5	0.57
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	6	0.57
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	9	0.57
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	9	0.57
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	9	0.57
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	9	0.57
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	9	0.57
(1,326)	1:707:C:ARG:H	1:707:C:ARG:HG2	7	0.57
(1,326)	1:707:C:ARG:H	1:707:C:ARG:HG3	7	0.57
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	4	0.57
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	4	0.57
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	4	0.57

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	5	0.57
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	6	0.57
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	9	0.56
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	4	0.56
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	4	0.56
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	4	0.56
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	12	0.56
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	12	0.56
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	12	0.56
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.56
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	11	0.56
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.56
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.56
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.56
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	9	0.56
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	4	0.56
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	4	0.56
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	4	0.56
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	12	0.56
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	12	0.56
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	12	0.56
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.56
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	11	0.56
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.56
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.56
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.56
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	9	0.56
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	4	0.56
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	4	0.56
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	4	0.56
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	12	0.56
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	12	0.56
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	12	0.56
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.56
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	11	0.56
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.56
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.56
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.56
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	4	0.56
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	4	0.56
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	4	0.56
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	4	0.56

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	4	0.56
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	4	0.56
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	4	0.56
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	4	0.56
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	4	0.56
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	12	0.56
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	12	0.56
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	12	0.56
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	12	0.56
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	12	0.56
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	12	0.56
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	12	0.56
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	0.56
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	0.56
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	4	0.56
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	4	0.56
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	4	0.56
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	4	0.56
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	4	0.56
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	4	0.56
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	4	0.56
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	4	0.56
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	4	0.56
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	12	0.56
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	12	0.56
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	12	0.56
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	12	0.56
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	12	0.56
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	12	0.56
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	12	0.56
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	0.56
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	0.56
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	4	0.56
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	4	0.56
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	4	0.56
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	4	0.56
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	4	0.56
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	4	0.56
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	4	0.56
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	4	0.56
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	4	0.56
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	12	0.56

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	12	0.56
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	12	0.56
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	12	0.56
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	12	0.56
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	12	0.56
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	12	0.56
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	0.56
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	0.56
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	7	0.55
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	7	0.55
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	13	0.55
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	8	0.55
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	2	0.55
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	2	0.55
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	3	0.55
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	3	0.55
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	2	0.55
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	4	0.55
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	7	0.55
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	7	0.55
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	13	0.55
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	8	0.55
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	2	0.55
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	2	0.55
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	3	0.55
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	3	0.55
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	2	0.55
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	4	0.55
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	7	0.55
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	7	0.55
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	13	0.55
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	8	0.55
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	2	0.55
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	2	0.55
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	3	0.55
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	3	0.55
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	2	0.55
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	4	0.55
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	3	0.54
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	7	0.54
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.54
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.54

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.54
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	3	0.54
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	7	0.54
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.54
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.54
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.54
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	3	0.54
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	7	0.54
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.54
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.54
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.54
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	1	0.53
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	3	0.53
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	3	0.53
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	3	0.53
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.53
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.53
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.53
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	1	0.53
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	3	0.53
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	3	0.53
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	3	0.53
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.53
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.53
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.53
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	1	0.53
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	3	0.53
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	3	0.53
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	3	0.53
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.53
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.53
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.53
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	0.53
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	0.53
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	0.53
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	0.53
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	0.53
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	0.53
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	0.53
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	0.53
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	0.53
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	0.53

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	0.53
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	0.53
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	0.53
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	0.53
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	0.53
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	0.53
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	0.53
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	0.53
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	0.53
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	0.53
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	0.53
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	0.53
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	0.53
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	0.53
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	0.53
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	0.53
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	0.53
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	13	0.52
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	10	0.52
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	5	0.52
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	5	0.52
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	5	0.52
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.52
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.52
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.52
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	13	0.52
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	10	0.52
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	5	0.52
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	5	0.52
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	5	0.52
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.52
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.52
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.52
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	13	0.52
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	10	0.52
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	5	0.52
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	5	0.52
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	5	0.52
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.52
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.52
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.52
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	15	0.51

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	13	0.51
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	7	0.51
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	7	0.51
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	7	0.51
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	7	0.51
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	7	0.51
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	7	0.51
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	9	0.51
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	9	0.51
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	8	0.51
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	15	0.51
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	13	0.51
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	7	0.51
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	7	0.51
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	7	0.51
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	7	0.51
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	7	0.51
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	7	0.51
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	9	0.51
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	9	0.51
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	8	0.51
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	15	0.51
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	13	0.51
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	7	0.51
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	7	0.51
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	7	0.51
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	7	0.51
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	7	0.51
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	7	0.51
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	9	0.51
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	9	0.51
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	8	0.51
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	6	0.5
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	6	0.5
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	1	0.5
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	12	0.5
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.5
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	3	0.5
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	3	0.5
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	3	0.5
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	3	0.5
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	3	0.5

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	3	0.5
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	9	0.5
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	9	0.5
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	9	0.5
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.5
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.5
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.5
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.5
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	6	0.5
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	6	0.5
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	1	0.5
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	12	0.5
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.5
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	3	0.5
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	3	0.5
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	3	0.5
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	3	0.5
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	3	0.5
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	3	0.5
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	9	0.5
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	9	0.5
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	9	0.5
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.5
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.5
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.5
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.5
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	6	0.5
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	6	0.5
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	1	0.5
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	12	0.5
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.5
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	3	0.5
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	3	0.5
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	3	0.5
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	3	0.5
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	3	0.5
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	3	0.5
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	9	0.5
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	9	0.5
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	9	0.5
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.5
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.5

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.5
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.5
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	0.5
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	0.5
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	0.5
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	0.5
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	0.5
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	0.5
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	0.5
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	0.5
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	0.5
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	0.5
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	0.5
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	0.5
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	0.5
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	0.5
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	0.5
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	0.5
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	0.5
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	0.5
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	14	0.49
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	14	0.49
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	14	0.49
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	11	0.49
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	8	0.49
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	10	0.49
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	7	0.49
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	1	0.49
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	1	0.49
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	1	0.49
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	1	0.49
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	1	0.49
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	1	0.49
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	2	0.49
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	2	0.49
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	2	0.49
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	2	0.49
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	2	0.49
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	2	0.49
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	2	0.49
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	2	0.49
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	2	0.49

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.49
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.49
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.49
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	11	0.49
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	8	0.49
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	10	0.49
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	7	0.49
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	1	0.49
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	1	0.49
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	1	0.49
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	1	0.49
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	1	0.49
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	1	0.49
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	2	0.49
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	2	0.49
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	2	0.49
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	2	0.49
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	2	0.49
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	2	0.49
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	2	0.49
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	2	0.49
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	2	0.49
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.49
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.49
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.49
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	11	0.49
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	8	0.49
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	10	0.49
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	7	0.49
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	1	0.49
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	1	0.49
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	1	0.49
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	1	0.49
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	1	0.49
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	1	0.49
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	2	0.49
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	2	0.49
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	2	0.49
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	2	0.49
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	2	0.49
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	2	0.49
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	2	0.49

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	2	0.49
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	2	0.49
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.49
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.49
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.49
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	9	0.49
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	9	0.49
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	9	0.49
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	9	0.49
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	9	0.49
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	9	0.49
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	9	0.49
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	9	0.49
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	9	0.49
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	9	0.49
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	9	0.49
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	9	0.49
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	9	0.49
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	9	0.49
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	9	0.49
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	9	0.49
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	9	0.49
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	9	0.49
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.49
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.49
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.49
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.49
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.49
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.49
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.49
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.49
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.49
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.49
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.49
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.49
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.49
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.49
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.49
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.49
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.49
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.49
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.49

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.49
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.49
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.49
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.49
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.49
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.49
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.49
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.49
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	6	0.48
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	2	0.48
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	14	0.48
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	5	0.48
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	5	0.48
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.48
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.48
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.48
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	6	0.48
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	2	0.48
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	14	0.48
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	5	0.48
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	5	0.48
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.48
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.48
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.48
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	6	0.48
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	2	0.48
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	14	0.48
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	5	0.48
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	5	0.48
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.48
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.48
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.48
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	13	0.48
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	13	0.48
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	13	0.48
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	13	0.48
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	13	0.48
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	13	0.48
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	13	0.48
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	13	0.48
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	13	0.48
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	13	0.48

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	13	0.48
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	13	0.48
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	13	0.48
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	13	0.48
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	13	0.48
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	13	0.48
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	13	0.48
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	13	0.48
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	2	0.47
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	2	0.47
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	2	0.47
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	4	0.47
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	5	0.47
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	5	0.47
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	5	0.47
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	13	0.47
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	13	0.47
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	13	0.47
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	13	0.47
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	13	0.47
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	13	0.47
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	3	0.47
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	10	0.47
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	10	0.47
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	5	0.47
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	8	0.47
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.47
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.47
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.47
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.47
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.47
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.47
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	4	0.47
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	5	0.47
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	5	0.47
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	5	0.47
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	13	0.47
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	13	0.47
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	13	0.47
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	13	0.47
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	13	0.47
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	13	0.47

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	3	0.47
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	10	0.47
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	10	0.47
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	5	0.47
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	8	0.47
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.47
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.47
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.47
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.47
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.47
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.47
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	4	0.47
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	5	0.47
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	5	0.47
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	5	0.47
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	13	0.47
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	13	0.47
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	13	0.47
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	13	0.47
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	13	0.47
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	13	0.47
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	3	0.47
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	10	0.47
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	10	0.47
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	5	0.47
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	8	0.47
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.47
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.47
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.47
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.47
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.47
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.47
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	0.47
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	0.47
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	0.47
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	0.47
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	0.47
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	0.47
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	0.47
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	0.47
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	0.47
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	0.47

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	0.47
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	0.47
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	0.47
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	0.47
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	0.47
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	0.47
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	0.47
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	0.47
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	0.47
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	0.47
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	0.47
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	0.47
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	0.47
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	0.47
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	0.47
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	0.47
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	0.47
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	1	0.46
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	10	0.46
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	13	0.46
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	8	0.46
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	8	0.46
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	13	0.46
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	13	0.46
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	13	0.46
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.46
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.46
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.46
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.46
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.46
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.46
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	7	0.46
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	7	0.46
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	7	0.46
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	7	0.46
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	7	0.46
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	7	0.46
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.46
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.46
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.46
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	15	0.46
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	15	0.46

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.46
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.46
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.46
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.46
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.46
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.46
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	11	0.46
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.46
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.46
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.46
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.46
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.46
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.46
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	1	0.46
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	10	0.46
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	13	0.46
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	8	0.46
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	8	0.46
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	13	0.46
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	13	0.46
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	13	0.46
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.46
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.46
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.46
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.46
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.46
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.46
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	7	0.46
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	7	0.46
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	7	0.46
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	7	0.46
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	7	0.46
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	7	0.46
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.46
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.46
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.46
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	15	0.46
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	15	0.46
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.46
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.46
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.46
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.46

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.46
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.46
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	11	0.46
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.46
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.46
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.46
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.46
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.46
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.46
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	1	0.46
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	10	0.46
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	13	0.46
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	8	0.46
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	8	0.46
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	13	0.46
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	13	0.46
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	13	0.46
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.46
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.46
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.46
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.46
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.46
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.46
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	7	0.46
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	7	0.46
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	7	0.46
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	7	0.46
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	7	0.46
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	7	0.46
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.46
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.46
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.46
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	15	0.46
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	15	0.46
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.46
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.46
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.46
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.46
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.46
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.46
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	11	0.46
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.46

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.46
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.46
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.46
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.46
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.46
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	13	0.45
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	13	0.45
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	13	0.45
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	1	0.45
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.45
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	14	0.45
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	6	0.45
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	11	0.45
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	11	0.45
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	11	0.45
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.45
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.45
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.45
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.45
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.45
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.45
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	1	0.45
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.45
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	14	0.45
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	6	0.45
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	11	0.45
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	11	0.45
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	11	0.45
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.45
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.45
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.45

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.45
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.45
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.45
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.45
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	1	0.45
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.45
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	14	0.45
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	6	0.45
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	11	0.45
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	11	0.45
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	11	0.45
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.45
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.45
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.45
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.45
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.45
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.45
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	2	0.44
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	11	0.44
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	6	0.44
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.44
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.44
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.44
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	7	0.44
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	7	0.44
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	7	0.44
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.44
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.44
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.44
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.44
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.44
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.44
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.44
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.44
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.44
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	2	0.44

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	11	0.44
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	6	0.44
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.44
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.44
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.44
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	7	0.44
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	7	0.44
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	7	0.44
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.44
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.44
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.44
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.44
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.44
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.44
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.44
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.44
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.44
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	2	0.44
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	11	0.44
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	6	0.44
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.44
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.44
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.44
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	7	0.44
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	7	0.44
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	7	0.44
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.44
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.44
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.44
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.44
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.44
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.44
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.44
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.44
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.44
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	0.44
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	0.44
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	0.44
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	0.44
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	0.44
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	0.44
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	0.44

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	0.44
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	0.44
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	0.44
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	0.44
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	0.44
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	0.44
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	0.44
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	0.44
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	0.44
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	0.44
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	0.44
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	0.44
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	0.44
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	0.44
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	0.44
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	0.44
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	0.44
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	0.44
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	0.44
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	0.44
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	2	0.43
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	2	0.43
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	2	0.43
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	10	0.43
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	3	0.43
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	3	0.43
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	3	0.43
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	3	0.43
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	3	0.43
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	3	0.43
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	6	0.43
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	6	0.43
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	6	0.43
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	7	0.43
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	7	0.43
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	7	0.43
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.43
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.43
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.43
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.43
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.43
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.43

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.43
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.43
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.43
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	5	0.43
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	5	0.43
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	5	0.43
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.43
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.43
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.43
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.43
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.43
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.43
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	10	0.43
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	3	0.43
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	3	0.43
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	3	0.43
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	3	0.43
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	3	0.43
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	3	0.43
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	6	0.43
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	6	0.43
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	6	0.43
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	7	0.43
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	7	0.43
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	7	0.43
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.43
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.43
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.43
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.43
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.43
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.43
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.43
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.43
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.43
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	5	0.43
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	5	0.43
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	5	0.43
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.43
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.43
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.43
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.43
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.43

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.43
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	10	0.43
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	3	0.43
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	3	0.43
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	3	0.43
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	3	0.43
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	3	0.43
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	3	0.43
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	6	0.43
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	6	0.43
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	6	0.43
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	7	0.43
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	7	0.43
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	7	0.43
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.43
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.43
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.43
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.43
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.43
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.43
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.43
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.43
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.43
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	5	0.43
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	5	0.43
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	5	0.43
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.43
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.43
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.43
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.43
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.43
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.43
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	1	0.43
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	1	0.43
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	1	0.43
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	1	0.43
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	1	0.43
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	1	0.43
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	4	0.43
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	4	0.43
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	4	0.43
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	4	0.43

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	4	0.43
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	4	0.43
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	4	0.43
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	4	0.43
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	4	0.43
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	0.43
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	0.43
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	0.43
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	0.43
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	0.43
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	0.43
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	0.43
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	0.43
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	0.43
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	0.43
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	0.43
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	0.43
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	0.43
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	0.43
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	0.43
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	0.43
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	0.43
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	0.43
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	0.43
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	0.43
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	0.43
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	0.43
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	0.43
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	0.43
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	0.43
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	0.43
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	0.43
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	14	0.42
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	10	0.42
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	14	0.42
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	14	0.42
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	10	0.42
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	14	0.42
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	14	0.42
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	10	0.42
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	14	0.42
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.42

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	2	0.42
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	12	0.42
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	12	0.42
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	12	0.42
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	12	0.42
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	12	0.42
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	12	0.42
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	13	0.42
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	13	0.42
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	13	0.42
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	13	0.42
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	13	0.42
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	13	0.42
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	4	0.42
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	4	0.42
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	4	0.42
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.42
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.42
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.42
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.42
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.42
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.42
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	10	0.42
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	10	0.42
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	10	0.42
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	9	0.42
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.42
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.42
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	2	0.42
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	12	0.42
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	12	0.42
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	12	0.42
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	12	0.42
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	12	0.42
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	12	0.42
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	13	0.42
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	13	0.42
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	13	0.42
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	13	0.42
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	13	0.42
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	13	0.42
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	4	0.42

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	4	0.42
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	4	0.42
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.42
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.42
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.42
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.42
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.42
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.42
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	10	0.42
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	10	0.42
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	10	0.42
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	9	0.42
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.42
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.42
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	2	0.42
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	12	0.42
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	12	0.42
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	12	0.42
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	12	0.42
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	12	0.42
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	12	0.42
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	13	0.42
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	13	0.42
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	13	0.42
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	13	0.42
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	13	0.42
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	13	0.42
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	4	0.42
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	4	0.42
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	4	0.42
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.42
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.42
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.42
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.42
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.42
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.42
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	10	0.42
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	10	0.42
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	10	0.42
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	9	0.42
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.42
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	5	0.41

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	8	0.41
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	13	0.41
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	1	0.41
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	7	0.41
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	7	0.41
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	7	0.41
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	8	0.41
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.41
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.41
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.41
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.41
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.41
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.41
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.41
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	7	0.41
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	7	0.41
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.41
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.41
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.41
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.41
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.41
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.41
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.41
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.41
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.41
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	5	0.41
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	8	0.41
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	13	0.41
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	1	0.41
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	7	0.41
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	7	0.41
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	7	0.41
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	8	0.41
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.41
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.41
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.41
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.41
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.41
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.41
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.41
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	7	0.41
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	7	0.41

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.41
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.41
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.41
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.41
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.41
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.41
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.41
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.41
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.41
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	5	0.41
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	8	0.41
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	13	0.41
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	1	0.41
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	7	0.41
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	7	0.41
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	7	0.41
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	8	0.41
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.41
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.41
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.41
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.41
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.41
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.41
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.41
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	7	0.41
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	7	0.41
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.41
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.41
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.41
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.41
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.41
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.41
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.41
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.41
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.41
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	0.41
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	0.41
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	0.41
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	0.41
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	0.41
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	0.41
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	0.41

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	0.41
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	0.41
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	0.41
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	0.41
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	0.41
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	0.41
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	0.41
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	0.41
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	0.41
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	0.41
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	0.41
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	0.41
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	0.41
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	0.41
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	0.41
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	0.41
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	0.41
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	0.41
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	0.41
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	0.41
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	0.41
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	0.41
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	0.41
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	0.41
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	0.41
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	0.41
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	0.41
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	0.41
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	0.41
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	0.41
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	0.41
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	0.41
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	0.41
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	0.41
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	0.41
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	0.41
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	0.41
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	0.41
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	3	0.4

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	6	0.4
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	4	0.4
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	3	0.4
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	2	0.4
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	2	0.4
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	2	0.4
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	2	0.4
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	2	0.4
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	2	0.4
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	10	0.4
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	10	0.4
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	10	0.4
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	10	0.4
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	10	0.4
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	10	0.4
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	2	0.4
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	2	0.4
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	2	0.4
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	11	0.4
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	11	0.4
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	11	0.4
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	11	0.4
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	11	0.4
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	11	0.4
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	1	0.4
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	1	0.4
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	11	0.4
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.4
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.4

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.4
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	4	0.4
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.4
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.4
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.4
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	6	0.4
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	4	0.4
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	3	0.4
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	2	0.4
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	2	0.4
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	2	0.4
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	2	0.4
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	2	0.4
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	2	0.4
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	10	0.4
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	10	0.4
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	10	0.4
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	10	0.4
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	10	0.4
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	10	0.4
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	2	0.4
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	2	0.4
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	2	0.4

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	11	0.4
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	11	0.4
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	11	0.4
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	11	0.4
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	11	0.4
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	11	0.4
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	1	0.4
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	1	0.4
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	11	0.4
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.4
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.4
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	4	0.4
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.4
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.4
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.4
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	6	0.4

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	4	0.4
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	3	0.4
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	2	0.4
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	2	0.4
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	2	0.4
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	2	0.4
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	2	0.4
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	2	0.4
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	10	0.4
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	10	0.4
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	10	0.4
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	10	0.4
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	10	0.4
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	10	0.4
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	2	0.4
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	2	0.4
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	2	0.4
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	11	0.4
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	11	0.4
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	11	0.4
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	11	0.4
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	11	0.4
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	11	0.4
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	1	0.4
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	1	0.4
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	11	0.4
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.4
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.4
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	4	0.4
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.4
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.4
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.4
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	6	0.4

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	6	0.4
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	6	0.4
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	6	0.4
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	6	0.4
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	6	0.4
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	8	0.4
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	8	0.4
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	8	0.4
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	8	0.4
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	8	0.4
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	8	0.4
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	8	0.4
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	8	0.4
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	8	0.4
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	13	0.39
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	1	0.39
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	12	0.39
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	13	0.39
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	1	0.39
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	12	0.39
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	13	0.39
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	1	0.39
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	12	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	7	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	7	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	7	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	7	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	7	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	7	0.39
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	6	0.39
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	2	0.39
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	6	0.39
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	11	0.39
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	9	0.39
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	9	0.39
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	9	0.39
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	9	0.39
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	9	0.39
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	9	0.39
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	14	0.39
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	10	0.39
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.39

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	10	0.39
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	10	0.39
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	10	0.39
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.39
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.39
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.39
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	9	0.39
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	9	0.39
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	9	0.39
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	5	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	7	0.39
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	6	0.39
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	2	0.39
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	6	0.39
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	11	0.39
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	9	0.39
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	9	0.39
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	9	0.39
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	9	0.39
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	9	0.39
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	9	0.39
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	14	0.39
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	10	0.39
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.39
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	10	0.39
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	10	0.39
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	10	0.39
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.39
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.39
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.39
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	9	0.39
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	9	0.39

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	9	0.39
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	5	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	7	0.39
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	6	0.39
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	2	0.39
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	6	0.39
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	11	0.39
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	9	0.39
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	9	0.39
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	9	0.39
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	9	0.39
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	9	0.39
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	9	0.39
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	14	0.39
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	10	0.39
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.39
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	10	0.39
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	10	0.39
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	10	0.39
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.39
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.39
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.39
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	9	0.39
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	9	0.39
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	9	0.39
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	5	0.39
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	13	0.38

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	13	0.38
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	13	0.38
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	13	0.38
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	13	0.38
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	13	0.38
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	2	0.38
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	13	0.38
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	1	0.38
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	1	0.38
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	1	0.38
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	1	0.38
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	1	0.38
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	1	0.38
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	15	0.38
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	15	0.38
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	15	0.38
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	15	0.38
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	15	0.38
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	15	0.38
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	11	0.38
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	11	0.38
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.38
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.38
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	8	0.38
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	8	0.38
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	8	0.38
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.38
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.38
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.38
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.38
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.38
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.38
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	2	0.38
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.38
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.38
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.38
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.38
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.38
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.38
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.38
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.38
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.38

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.38
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.38
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	13	0.38
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	2	0.38
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	13	0.38
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	1	0.38
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	1	0.38
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	1	0.38
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	1	0.38
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	1	0.38
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	1	0.38
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	15	0.38
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	15	0.38
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	15	0.38
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	15	0.38
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	15	0.38
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	15	0.38
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	11	0.38
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	11	0.38
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.38
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.38
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	8	0.38
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	8	0.38
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	8	0.38
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.38
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.38
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.38
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.38
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.38
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.38

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	2	0.38
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.38
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.38
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.38
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.38
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.38
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.38
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.38
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.38
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.38
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.38
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.38
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	13	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	13	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	13	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	13	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	13	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	13	0.38
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	2	0.38
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	13	0.38
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	1	0.38
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	1	0.38
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	1	0.38
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	1	0.38
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	1	0.38
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	1	0.38
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	15	0.38
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	15	0.38
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	15	0.38
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	15	0.38
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	15	0.38
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	15	0.38
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	11	0.38
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	11	0.38
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.38

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.38
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	8	0.38
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	8	0.38
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	8	0.38
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.38
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.38
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.38
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.38
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.38
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.38
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	2	0.38
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.38
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.38
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.38
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.38
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.38
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.38
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.38
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.38
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.38
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.38
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.38
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.38
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.38
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.38
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.38
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.38
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.38
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.38
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.38
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.38
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.38
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.38
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.38
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.38
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.38

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.38
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.38
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.38
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.38
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.38
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.38
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.38
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.38
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.38
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.38
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.38
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.38
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.38
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.38
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	10	0.37
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	9	0.37
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	4	0.37
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	5	0.37
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	13	0.37
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	13	0.37
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	13	0.37
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	13	0.37
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	13	0.37
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	13	0.37
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	6	0.37
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	6	0.37
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	6	0.37
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	7	0.37
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	7	0.37
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.37
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	10	0.37
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	10	0.37
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	10	0.37
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	10	0.37
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	10	0.37
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	10	0.37
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.37

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	9	0.37
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	9	0.37
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	9	0.37
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	9	0.37
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	9	0.37
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	9	0.37
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	2	0.37
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	2	0.37
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	2	0.37
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	2	0.37
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	2	0.37
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	2	0.37
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.37
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.37
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.37
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.37
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.37
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	10	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	10	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	10	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	10	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	10	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	10	0.37
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	9	0.37
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	4	0.37
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	5	0.37
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	13	0.37
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	13	0.37
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	13	0.37
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	13	0.37
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	13	0.37
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	13	0.37
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	6	0.37
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	6	0.37
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	6	0.37
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	7	0.37
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	7	0.37
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.37
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	10	0.37
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	10	0.37
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	10	0.37

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	10	0.37
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	10	0.37
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	10	0.37
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.37
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	9	0.37
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	9	0.37
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	9	0.37
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	9	0.37
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	9	0.37
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	9	0.37
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	2	0.37
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	2	0.37
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	2	0.37
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	2	0.37
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	2	0.37
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	2	0.37
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.37
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.37
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.37
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.37
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.37
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	10	0.37
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	9	0.37
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	4	0.37
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	5	0.37
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	13	0.37
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	13	0.37
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	13	0.37
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	13	0.37
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	13	0.37
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	13	0.37
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	6	0.37
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	6	0.37
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	6	0.37
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	7	0.37
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	7	0.37

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.37
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	10	0.37
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	10	0.37
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	10	0.37
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	10	0.37
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	10	0.37
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	10	0.37
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.37
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	9	0.37
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	9	0.37
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	9	0.37
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	9	0.37
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	9	0.37
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	9	0.37
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	2	0.37
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	2	0.37
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	2	0.37
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	2	0.37
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	2	0.37
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	2	0.37
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.37
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.37
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.37
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.37
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.37
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.37
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	3	0.36
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	13	0.36
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	10	0.36
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	14	0.36
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	3	0.36
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	13	0.36
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	10	0.36
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	14	0.36
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	3	0.36
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	13	0.36
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	10	0.36
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	14	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	8	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	8	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	8	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	8	0.36

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	8	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	8	0.36
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	7	0.36
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.36
(1,924)	1:693:C:ILE:HD11	1:697:C:ILE:H	7	0.36
(1,924)	1:693:C:ILE:HD12	1:697:C:ILE:H	7	0.36
(1,924)	1:693:C:ILE:HD13	1:697:C:ILE:H	7	0.36
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.36
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.36
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.36
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	15	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	8	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	8	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	8	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	8	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	8	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	8	0.36
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	7	0.36
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.36
(1,583)	1:693:C:ILE:HD11	1:697:C:ILE:H	7	0.36
(1,583)	1:693:C:ILE:HD12	1:697:C:ILE:H	7	0.36
(1,583)	1:693:C:ILE:HD13	1:697:C:ILE:H	7	0.36
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.36
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.36
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.36
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	15	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	8	0.36

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	7	0.36
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.36
(1,242)	1:693:C:ILE:HD11	1:697:C:ILE:H	7	0.36
(1,242)	1:693:C:ILE:HD12	1:697:C:ILE:H	7	0.36
(1,242)	1:693:C:ILE:HD13	1:697:C:ILE:H	7	0.36
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.36
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.36
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.36
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	15	0.36
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	2	0.36
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	2	0.36
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	2	0.36
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	2	0.36
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	2	0.36
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	2	0.36
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	2	0.36
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	2	0.36
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	2	0.36
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	2	0.36
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	2	0.36
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	2	0.36
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	9	0.36
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	9	0.36
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	9	0.36
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	9	0.36
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	9	0.36
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	9	0.36
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	10	0.36
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	10	0.36
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	10	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	10	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	10	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	10	0.36
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	10	0.36
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	10	0.36
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	10	0.36
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	12	0.35

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	12	0.35
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	12	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	2	0.35
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	9	0.35
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	14	0.35
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	4	0.35
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	4	0.35
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	4	0.35
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	4	0.35
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	4	0.35
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	4	0.35
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	3	0.35
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	3	0.35
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	3	0.35
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.35
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.35
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.35
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.35
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.35
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.35
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	8	0.35
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	8	0.35
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	8	0.35
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.35
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	4	0.35
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	4	0.35
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	4	0.35
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	4	0.35
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	4	0.35
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	4	0.35
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.35
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.35
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.35
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	14	0.35
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	14	0.35
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	14	0.35
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	3	0.35

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	14	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	2	0.35
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	9	0.35
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	14	0.35
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	4	0.35
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	4	0.35
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	4	0.35
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	4	0.35
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	4	0.35
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	4	0.35
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	3	0.35
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	3	0.35
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	3	0.35
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.35
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.35
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.35
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.35
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.35
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.35
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	8	0.35
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	8	0.35
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	8	0.35
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.35
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	4	0.35
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	4	0.35
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	4	0.35
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	4	0.35
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	4	0.35
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	4	0.35
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.35
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.35
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.35
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	14	0.35
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	14	0.35
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	14	0.35
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	3	0.35
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	14	0.35

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	2	0.35
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	9	0.35
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	14	0.35
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	4	0.35
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	4	0.35
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	4	0.35
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	4	0.35
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	4	0.35
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	4	0.35
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	3	0.35
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	3	0.35
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	3	0.35
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.35
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.35
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.35
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.35
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.35
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.35
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	8	0.35
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	8	0.35
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	8	0.35
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.35
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	4	0.35
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	4	0.35
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	4	0.35
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	4	0.35
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	4	0.35
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	4	0.35
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.35
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.35
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.35
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	14	0.35
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	14	0.35
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	14	0.35
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	3	0.35
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	14	0.35
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	1	0.35

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	1	0.35
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	1	0.35
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	1	0.35
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	1	0.35
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	1	0.35
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	6	0.35
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	6	0.35
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	6	0.35
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	6	0.35
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	6	0.35
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	6	0.35
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	9	0.34
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	3	0.34
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	9	0.34
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	3	0.34
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	9	0.34
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	3	0.34
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB2	15	0.34
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB3	15	0.34
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	1	0.34
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	1	0.34
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	1	0.34
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	1	0.34
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	1	0.34
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	9	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	1	0.34
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	6	0.34
(1,1175)	1:782:C:VAL:HG21	1:779:C:THR:HA	3	0.34
(1,1175)	1:782:C:VAL:HG22	1:779:C:THR:HA	3	0.34
(1,1175)	1:782:C:VAL:HG23	1:779:C:THR:HA	3	0.34
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	2	0.34
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	8	0.34
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	8	0.34
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	8	0.34
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	11	0.34
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	11	0.34
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	11	0.34

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	11	0.34
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	11	0.34
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	11	0.34
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	5	0.34
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	5	0.34
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	5	0.34
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	8	0.34
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	8	0.34
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	8	0.34
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	14	0.34
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	14	0.34
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	5	0.34
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	5	0.34
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	5	0.34
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	5	0.34
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	5	0.34
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	5	0.34
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.34
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.34
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.34
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	8	0.34
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	8	0.34
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	8	0.34
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	8	0.34
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	8	0.34
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	8	0.34
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.34
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.34
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.34
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.34
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.34
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.34
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	7	0.34
(1,921)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	10	0.34
(1,921)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	10	0.34
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.34
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.34
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.34
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB2	15	0.34
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB3	15	0.34
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	1	0.34
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	1	0.34

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	1	0.34
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	1	0.34
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	1	0.34
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	9	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	1	0.34
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	6	0.34
(1,834)	1:782:C:VAL:HG21	1:779:C:THR:HA	3	0.34
(1,834)	1:782:C:VAL:HG22	1:779:C:THR:HA	3	0.34
(1,834)	1:782:C:VAL:HG23	1:779:C:THR:HA	3	0.34
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	2	0.34
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	8	0.34
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	8	0.34
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	8	0.34
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	11	0.34
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	11	0.34
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	11	0.34
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	11	0.34
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	11	0.34
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	11	0.34
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	5	0.34
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	5	0.34
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	5	0.34
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	8	0.34
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	8	0.34
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	8	0.34
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	14	0.34
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	14	0.34
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	5	0.34
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	5	0.34
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	5	0.34
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	5	0.34
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	5	0.34
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	5	0.34
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.34
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.34
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.34
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	8	0.34

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	8	0.34
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	8	0.34
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	8	0.34
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	8	0.34
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	8	0.34
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.34
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.34
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.34
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.34
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.34
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.34
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	7	0.34
(1,580)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	10	0.34
(1,580)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	10	0.34
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.34
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.34
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.34
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB2	15	0.34
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB3	15	0.34
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	1	0.34
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	1	0.34
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	1	0.34
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	1	0.34
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	1	0.34
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	9	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	1	0.34
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	6	0.34
(1,493)	1:782:C:VAL:HG21	1:779:C:THR:HA	3	0.34
(1,493)	1:782:C:VAL:HG22	1:779:C:THR:HA	3	0.34
(1,493)	1:782:C:VAL:HG23	1:779:C:THR:HA	3	0.34
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	2	0.34
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	8	0.34
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	8	0.34
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	8	0.34
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	11	0.34
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	11	0.34
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	11	0.34

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	11	0.34
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	11	0.34
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	11	0.34
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	5	0.34
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	5	0.34
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	5	0.34
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	8	0.34
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	8	0.34
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	8	0.34
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	14	0.34
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	14	0.34
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	5	0.34
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	5	0.34
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	5	0.34
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	5	0.34
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	5	0.34
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	5	0.34
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.34
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.34
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.34
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	8	0.34
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	8	0.34
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	8	0.34
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	8	0.34
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	8	0.34
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	8	0.34
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.34
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.34
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.34
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.34
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.34
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.34
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	7	0.34
(1,239)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	10	0.34
(1,239)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	10	0.34
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.34
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.34
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.34
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	1	0.33
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	1	0.33
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	1	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	5	0.33

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	5	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	5	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	5	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	5	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	5	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	7	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	7	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	7	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	6	0.33
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	7	0.33
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.33
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	11	0.33
(1,1114)	1:771:C:LEU:HD11	1:764:C:SER:HA	8	0.33
(1,1114)	1:771:C:LEU:HD12	1:764:C:SER:HA	8	0.33
(1,1114)	1:771:C:LEU:HD13	1:764:C:SER:HA	8	0.33
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	6	0.33
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	6	0.33
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	6	0.33
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	6	0.33
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	6	0.33
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	6	0.33
(1,1108)	1:763:C:LEU:HD11	1:764:C:SER:HG	10	0.33
(1,1108)	1:763:C:LEU:HD12	1:764:C:SER:HG	10	0.33
(1,1108)	1:763:C:LEU:HD13	1:764:C:SER:HG	10	0.33
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	5	0.33
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	9	0.33
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	6	0.33
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	6	0.33
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	6	0.33
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	6	0.33
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	6	0.33
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	6	0.33
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.33
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	5	0.33
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	5	0.33
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	5	0.33
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	5	0.33

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	5	0.33
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	5	0.33
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.33
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.33
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.33
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.33
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.33
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.33
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	4	0.33
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.33
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.33
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.33
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.33
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	4	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	5	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	7	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	7	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	7	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	6	0.33
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	7	0.33
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.33
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	11	0.33
(1,773)	1:771:C:LEU:HD11	1:764:C:SER:HA	8	0.33
(1,773)	1:771:C:LEU:HD12	1:764:C:SER:HA	8	0.33
(1,773)	1:771:C:LEU:HD13	1:764:C:SER:HA	8	0.33
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	6	0.33
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	6	0.33

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	6	0.33
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	6	0.33
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	6	0.33
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	6	0.33
(1,767)	1:763:C:LEU:HD11	1:764:C:SER:HG	10	0.33
(1,767)	1:763:C:LEU:HD12	1:764:C:SER:HG	10	0.33
(1,767)	1:763:C:LEU:HD13	1:764:C:SER:HG	10	0.33
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	5	0.33
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	9	0.33
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	6	0.33
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	6	0.33
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	6	0.33
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	6	0.33
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	6	0.33
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	6	0.33
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.33
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	5	0.33
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	5	0.33
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	5	0.33
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	5	0.33
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	5	0.33
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	5	0.33
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.33
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.33
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.33
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.33
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.33
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.33
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	4	0.33
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.33
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.33
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.33
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.33
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	4	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	5	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	5	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	5	0.33

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	5	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	5	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	5	0.33
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	7	0.33
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	7	0.33
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	7	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	6	0.33
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	7	0.33
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.33
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	11	0.33
(1,432)	1:771:C:LEU:HD11	1:764:C:SER:HA	8	0.33
(1,432)	1:771:C:LEU:HD12	1:764:C:SER:HA	8	0.33
(1,432)	1:771:C:LEU:HD13	1:764:C:SER:HA	8	0.33
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	6	0.33
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	6	0.33
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	6	0.33
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	6	0.33
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	6	0.33
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	6	0.33
(1,426)	1:763:C:LEU:HD11	1:764:C:SER:HG	10	0.33
(1,426)	1:763:C:LEU:HD12	1:764:C:SER:HG	10	0.33
(1,426)	1:763:C:LEU:HD13	1:764:C:SER:HG	10	0.33
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	5	0.33
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	9	0.33
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	6	0.33
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	6	0.33
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	6	0.33
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	6	0.33
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	6	0.33
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	6	0.33
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.33
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	5	0.33
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	5	0.33
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	5	0.33
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	5	0.33
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	5	0.33
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	5	0.33

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.33
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.33
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.33
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.33
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.33
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.33
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	4	0.33
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.33
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.33
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.33
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.33
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	4	0.33
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	0.33
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	0.33
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	0.33
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	0.33
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	0.33
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	0.33
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	0.33
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	0.33
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	0.33
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	0.33
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	0.33
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	0.33
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	0.33
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	0.33
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	0.33
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	0.33
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	0.33
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	0.33
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	0.33
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	0.33
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	0.33
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	0.33
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	0.33
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	0.33
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	0.33

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	0.33
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	0.33
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	1	0.32
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.32
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	7	0.32
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	1	0.32
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.32
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	7	0.32
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	1	0.32
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.32
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	7	0.32
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	5	0.32
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	11	0.32
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	10	0.32
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	2	0.32
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	2	0.32
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	2	0.32
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	7	0.32
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	12	0.32
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	1	0.32
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	1	0.32
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	1	0.32
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	1	0.32
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	1	0.32
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	1	0.32
(1,1088)	1:754:C:ALA:HB1	1:753:C:LEU:HD21	3	0.32
(1,1088)	1:754:C:ALA:HB1	1:753:C:LEU:HD22	3	0.32
(1,1088)	1:754:C:ALA:HB1	1:753:C:LEU:HD23	3	0.32
(1,1088)	1:754:C:ALA:HB2	1:753:C:LEU:HD21	3	0.32
(1,1088)	1:754:C:ALA:HB2	1:753:C:LEU:HD22	3	0.32
(1,1088)	1:754:C:ALA:HB2	1:753:C:LEU:HD23	3	0.32
(1,1088)	1:754:C:ALA:HB3	1:753:C:LEU:HD21	3	0.32
(1,1088)	1:754:C:ALA:HB3	1:753:C:LEU:HD22	3	0.32
(1,1088)	1:754:C:ALA:HB3	1:753:C:LEU:HD23	3	0.32
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.32
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.32
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	4	0.32
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	2	0.32
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	2	0.32
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	2	0.32
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	11	0.32
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	6	0.32

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	6	0.32
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	6	0.32
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	6	0.32
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	6	0.32
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	6	0.32
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.32
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.32
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.32
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.32
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.32
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.32
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.32
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.32
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	5	0.32
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	11	0.32
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	10	0.32
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	2	0.32
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	2	0.32
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	2	0.32
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	7	0.32
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	12	0.32
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	1	0.32
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	1	0.32
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	1	0.32

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	1	0.32
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	1	0.32
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	1	0.32
(1,747)	1:754:C:ALA:HB1	1:753:C:LEU:HD21	3	0.32
(1,747)	1:754:C:ALA:HB1	1:753:C:LEU:HD22	3	0.32
(1,747)	1:754:C:ALA:HB1	1:753:C:LEU:HD23	3	0.32
(1,747)	1:754:C:ALA:HB2	1:753:C:LEU:HD21	3	0.32
(1,747)	1:754:C:ALA:HB2	1:753:C:LEU:HD22	3	0.32
(1,747)	1:754:C:ALA:HB2	1:753:C:LEU:HD23	3	0.32
(1,747)	1:754:C:ALA:HB3	1:753:C:LEU:HD21	3	0.32
(1,747)	1:754:C:ALA:HB3	1:753:C:LEU:HD22	3	0.32
(1,747)	1:754:C:ALA:HB3	1:753:C:LEU:HD23	3	0.32
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.32
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.32
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	4	0.32
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	2	0.32
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	2	0.32
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	2	0.32
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	11	0.32
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	6	0.32
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	6	0.32
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	6	0.32
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	6	0.32
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	6	0.32
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	6	0.32
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.32
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.32
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.32
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.32
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.32
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.32

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.32
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.32
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.32
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	5	0.32
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	11	0.32
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	10	0.32
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	2	0.32
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	2	0.32
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	2	0.32
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	7	0.32
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	12	0.32
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	1	0.32
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	1	0.32
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	1	0.32
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	1	0.32
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	1	0.32
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	1	0.32
(1,406)	1:754:C:ALA:HB1	1:753:C:LEU:HD21	3	0.32
(1,406)	1:754:C:ALA:HB1	1:753:C:LEU:HD22	3	0.32
(1,406)	1:754:C:ALA:HB1	1:753:C:LEU:HD23	3	0.32
(1,406)	1:754:C:ALA:HB2	1:753:C:LEU:HD21	3	0.32
(1,406)	1:754:C:ALA:HB2	1:753:C:LEU:HD22	3	0.32
(1,406)	1:754:C:ALA:HB2	1:753:C:LEU:HD23	3	0.32
(1,406)	1:754:C:ALA:HB3	1:753:C:LEU:HD21	3	0.32
(1,406)	1:754:C:ALA:HB3	1:753:C:LEU:HD22	3	0.32
(1,406)	1:754:C:ALA:HB3	1:753:C:LEU:HD23	3	0.32
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.32
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.32
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	4	0.32
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	2	0.32
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	2	0.32
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	2	0.32
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	11	0.32
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	6	0.32
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	6	0.32
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	6	0.32

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	6	0.32
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	6	0.32
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	6	0.32
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.32
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.32
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.32
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.32
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.32
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.32
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.32
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.32
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	8	0.32
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	8	0.32
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	8	0.32
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	6	0.32
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	6	0.32
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	6	0.32
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	6	0.32
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	6	0.32
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	6	0.32
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	6	0.32
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	6	0.32
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	6	0.32
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	6	0.32

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	6	0.32
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	6	0.32
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	6	0.32
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	6	0.32
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	6	0.32
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	6	0.32
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	6	0.32
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	6	0.32
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	13	0.32
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	13	0.32
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	13	0.32
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	13	0.32
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	13	0.32
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	13	0.32
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	13	0.32
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	13	0.32
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	13	0.32
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	13	0.32
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	13	0.32
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	13	0.32
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	13	0.32
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	13	0.32
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	13	0.32
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	13	0.32
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	13	0.32
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	13	0.32
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	13	0.32
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	13	0.32
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	13	0.32
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	13	0.32
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	13	0.32
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	13	0.32
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	13	0.32
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	13	0.32
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	13	0.32
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.31
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	8	0.31
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	10	0.31
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	15	0.31
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.31
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	8	0.31
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	10	0.31

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	15	0.31
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.31
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	8	0.31
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	10	0.31
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	15	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	2	0.31
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	9	0.31
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	15	0.31
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	15	0.31
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	15	0.31
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	15	0.31
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	15	0.31
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	15	0.31
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	2	0.31
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	2	0.31
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	12	0.31
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD2	1	0.31
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD3	1	0.31
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.31
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.31
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.31
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.31
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.31
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.31
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.31
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	14	0.31
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	2	0.31
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	2	0.31
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	2	0.31
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	2	0.31
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	2	0.31

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	2	0.31
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.31
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.31
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.31
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.31
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.31
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	15	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	2	0.31
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	9	0.31
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	15	0.31
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	15	0.31
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	15	0.31
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	15	0.31
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	15	0.31
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	15	0.31
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	2	0.31
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	2	0.31
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	12	0.31
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD2	1	0.31
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD3	1	0.31
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.31
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.31
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.31
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.31
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.31
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.31
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.31
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	14	0.31
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	2	0.31
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	2	0.31
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	2	0.31

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	2	0.31
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	2	0.31
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	2	0.31
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.31
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.31
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.31
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.31
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.31
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	15	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	2	0.31
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	9	0.31
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	15	0.31
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	15	0.31
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	15	0.31
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	15	0.31
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	15	0.31
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	15	0.31
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	2	0.31
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	2	0.31
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	12	0.31
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD2	1	0.31
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD3	1	0.31
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.31
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.31
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.31
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.31
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.31
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.31
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.31
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	14	0.31
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	2	0.31

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	2	0.31
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	2	0.31
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	2	0.31
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	2	0.31
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	2	0.31
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.31
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.31
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.31
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.31
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.31
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.31
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	10	0.31
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	10	0.31
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	10	0.31
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	10	0.31
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	10	0.31
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	10	0.31
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	1	0.31
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	1	0.31
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	1	0.31
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	1	0.31
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	1	0.31
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	1	0.31
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	12	0.31
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	12	0.31
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	12	0.31
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	12	0.31
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	12	0.31
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	12	0.31
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	12	0.31
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	12	0.31
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	12	0.31
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	12	0.31
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	12	0.31
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	12	0.31
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	12	0.31
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	12	0.31
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	12	0.31
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	12	0.31
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	12	0.31
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	12	0.31
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.31

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.31
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.31
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.31
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.31
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.31
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.31
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.31
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.31
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.31
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.31
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.31
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.31
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.31
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.31
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.31
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.31
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.31
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	8	0.3
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	7	0.3
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	8	0.3
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	8	0.3
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	7	0.3
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	8	0.3
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	8	0.3
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	7	0.3
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	8	0.3
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	4	0.3
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	4	0.3
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	8	0.3
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	5	0.3
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	3	0.3
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	14	0.3
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	14	0.3
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	14	0.3
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.3
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.3
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.3
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	4	0.3
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	4	0.3
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	4	0.3
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	4	0.3
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	4	0.3

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	4	0.3
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.3
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.3
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.3
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.3
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.3
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.3
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	11	0.3
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	11	0.3
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	11	0.3
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.3
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	3	0.3
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	3	0.3
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	3	0.3
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	3	0.3
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	3	0.3
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	3	0.3
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB2	10	0.3
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB3	10	0.3
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB2	10	0.3
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB3	10	0.3
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB2	10	0.3
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB3	10	0.3
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	4	0.3
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	4	0.3
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	4	0.3
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.3
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.3
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.3
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.3
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.3
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.3
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.3
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.3
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.3
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.3
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.3
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.3
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.3
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.3
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.3
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.3

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.3
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.3
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.3
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.3
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.3
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	4	0.3
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	4	0.3
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	8	0.3
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	5	0.3
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	3	0.3
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	14	0.3
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	14	0.3
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	14	0.3
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.3
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.3
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.3
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	4	0.3
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	4	0.3
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	4	0.3
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	4	0.3
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	4	0.3
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	4	0.3
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.3
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.3
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.3
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.3
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.3
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.3
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	11	0.3
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	11	0.3
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	11	0.3
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.3
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	3	0.3
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	3	0.3
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	3	0.3
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	3	0.3
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	3	0.3
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	3	0.3
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	10	0.3
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB3	10	0.3
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB2	10	0.3
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB3	10	0.3

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB2	10	0.3
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB3	10	0.3
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	4	0.3
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	4	0.3
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	4	0.3
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.3
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.3
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.3
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.3
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.3
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.3
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.3
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.3
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.3
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.3
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.3
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.3
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.3
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.3
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.3
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.3
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.3
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.3
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.3
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.3
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.3
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	4	0.3
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	4	0.3
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	8	0.3
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	5	0.3
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	3	0.3
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	14	0.3
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	14	0.3
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	14	0.3
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.3
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.3
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.3
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	4	0.3
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	4	0.3
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	4	0.3
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	4	0.3
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	4	0.3

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	4	0.3
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.3
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.3
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.3
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.3
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.3
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.3
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	11	0.3
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	11	0.3
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	11	0.3
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.3
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	3	0.3
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	3	0.3
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	3	0.3
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	3	0.3
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	3	0.3
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	3	0.3
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	10	0.3
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	10	0.3
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	10	0.3
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	10	0.3
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	10	0.3
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	10	0.3
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	4	0.3
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	4	0.3
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	4	0.3
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.3
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.3
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.3
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.3
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.3
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.3
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.3
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.3
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.3
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.3
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.3
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.3
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.3
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.3
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.3
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.3

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.3
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.3
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.3
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.3
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	5	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	5	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	9	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	9	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	11	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	11	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	5	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	5	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	9	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	9	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	11	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	11	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	5	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	5	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	9	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	9	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	11	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	11	0.3
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	10	0.3
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	10	0.3
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	10	0.3
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	10	0.3
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	10	0.3
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	10	0.3
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	10	0.3
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	10	0.3
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	10	0.3
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	10	0.3
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	10	0.3
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	10	0.3
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	10	0.3
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	10	0.3
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	10	0.3
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	10	0.3
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	10	0.3
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	10	0.3
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	6	0.29

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	8	0.29
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	15	0.29
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	6	0.29
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	9	0.29
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	6	0.29
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	8	0.29
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	15	0.29
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	6	0.29
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	9	0.29
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	6	0.29
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	8	0.29
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	15	0.29
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	6	0.29
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	9	0.29
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	13	0.29
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	13	0.29
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.29
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.29
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	4	0.29
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	12	0.29
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	13	0.29
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.29
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	13	0.29
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	13	0.29

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	13	0.29
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	13	0.29
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	13	0.29
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	13	0.29
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	15	0.29
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	15	0.29
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	15	0.29
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	15	0.29
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	15	0.29
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	15	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	1	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	1	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	3	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	3	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	6	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	6	0.29
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.29
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.29
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.29
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.29
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	12	0.29
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	12	0.29
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	12	0.29
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	12	0.29
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	12	0.29
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	12	0.29
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	4	0.29
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	4	0.29
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	4	0.29
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	4	0.29
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	4	0.29
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	4	0.29
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.29
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.29
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.29
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	5	0.29
(1,921)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	13	0.29
(1,921)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	13	0.29
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	5	0.29
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	5	0.29
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	5	0.29
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	5	0.29

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	5	0.29
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	5	0.29
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.29
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	11	0.29
(1,881)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	13	0.29
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	13	0.29
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	13	0.29
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.29
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.29
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	4	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	4	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	4	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	4	0.29

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	4	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	4	0.29
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	12	0.29
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	13	0.29
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.29
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	13	0.29
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	13	0.29
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	13	0.29
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	13	0.29
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	13	0.29
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	13	0.29
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	15	0.29
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	15	0.29
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	15	0.29
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	15	0.29
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	15	0.29
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	15	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	1	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	1	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	3	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	3	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	6	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	6	0.29
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.29
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.29
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.29
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.29
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	12	0.29
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	12	0.29
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	12	0.29
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	12	0.29
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	12	0.29
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	12	0.29
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	4	0.29
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	4	0.29
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	4	0.29
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	4	0.29
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	4	0.29
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	4	0.29
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.29
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.29
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.29

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	5	0.29
(1,580)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	13	0.29
(1,580)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	13	0.29
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	5	0.29
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	5	0.29
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	5	0.29
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	5	0.29
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	5	0.29
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	5	0.29
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.29
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	11	0.29
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	13	0.29
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	13	0.29
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	13	0.29
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.29
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.29
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	3	0.29

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	4	0.29
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	12	0.29
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	13	0.29
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.29
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	13	0.29
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	13	0.29
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	13	0.29
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	13	0.29
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	13	0.29
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	13	0.29
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	15	0.29
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	15	0.29
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	15	0.29
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	15	0.29
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	15	0.29
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	15	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	1	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	1	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	3	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	3	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	6	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	6	0.29
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.29
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.29
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.29
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.29
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	12	0.29
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	12	0.29
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	12	0.29
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	12	0.29
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	12	0.29
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	12	0.29
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	4	0.29
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	4	0.29

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	4	0.29
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	4	0.29
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	4	0.29
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	4	0.29
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.29
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.29
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.29
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	5	0.29
(1,239)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	13	0.29
(1,239)	1:692:C:LEU:HD11	1:696:C:ARG:HH12	13	0.29
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	5	0.29
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	5	0.29
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	5	0.29
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	5	0.29
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	5	0.29
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	5	0.29
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.29
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	11	0.29
(1,199)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	13	0.29
(1,199)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	13	0.29
(1,199)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	13	0.29
(1,199)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	13	0.29
(1,199)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	13	0.29
(1,199)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	13	0.29
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	3	0.29
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	3	0.29
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	3	0.29
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	3	0.29
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	3	0.29
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	3	0.29
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	13	0.29

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	13	0.29
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	13	0.29
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	13	0.29
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	13	0.29
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	13	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.29
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	8	0.28

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	11	0.28
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	10	0.28
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	4	0.28
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	11	0.28
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	8	0.28
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	11	0.28
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	10	0.28
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	4	0.28
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	11	0.28
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	8	0.28
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	11	0.28
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	10	0.28
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	4	0.28
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	11	0.28
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	9	0.28
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	9	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	5	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	5	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	14	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	14	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	15	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	15	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	6	0.28
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	3	0.28
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	3	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	10	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	10	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	10	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	10	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	10	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	10	0.28
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	14	0.28
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	4	0.28
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	4	0.28
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	4	0.28
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	3	0.28
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	4	0.28

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	14	0.28
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	3	0.28
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	3	0.28
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	3	0.28
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	3	0.28
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	3	0.28
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	3	0.28
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	15	0.28
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	14	0.28
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	14	0.28
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	14	0.28
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	14	0.28
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	14	0.28
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	14	0.28
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	10	0.28
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	10	0.28
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	1	0.28
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	15	0.28
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	15	0.28
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	15	0.28
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.28
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.28
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.28
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.28
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.28
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.28
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.28
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	4	0.28
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	4	0.28
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	4	0.28
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	4	0.28
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	4	0.28
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	4	0.28
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	4	0.28
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.28
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.28
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	1	0.28
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	5	0.28
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	5	0.28
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	5	0.28
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	5	0.28
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	5	0.28

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	5	0.28
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	9	0.28
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	9	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	5	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	5	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	14	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	14	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	15	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	15	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	6	0.28
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	3	0.28
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	3	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	10	0.28
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	14	0.28
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	4	0.28
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	4	0.28
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	4	0.28
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	3	0.28
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	4	0.28
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	14	0.28
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	3	0.28
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	3	0.28
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	3	0.28
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	3	0.28
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	3	0.28
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	3	0.28
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	15	0.28
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	14	0.28
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	14	0.28
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	14	0.28
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	14	0.28
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	14	0.28

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	14	0.28
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	10	0.28
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	10	0.28
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	1	0.28
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	15	0.28
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	15	0.28
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	15	0.28
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.28
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.28
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.28
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.28
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.28
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.28
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.28
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	4	0.28
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	4	0.28
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	4	0.28
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	4	0.28
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	4	0.28
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	4	0.28
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	4	0.28
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.28
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.28
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	1	0.28
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	5	0.28
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	5	0.28
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	5	0.28
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	5	0.28
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	5	0.28
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	5	0.28
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	9	0.28
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	9	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	5	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	5	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	14	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	14	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	15	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	15	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	6	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	6	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	6	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	6	0.28

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	6	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	6	0.28
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	3	0.28
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	3	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	10	0.28
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	14	0.28
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	4	0.28
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	4	0.28
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	4	0.28
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	3	0.28
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	4	0.28
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	14	0.28
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	3	0.28
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	3	0.28
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	3	0.28
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	3	0.28
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	3	0.28
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	3	0.28
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	15	0.28
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	14	0.28
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	14	0.28
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	14	0.28
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	14	0.28
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	14	0.28
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	14	0.28
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	10	0.28
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	10	0.28
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	1	0.28
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	15	0.28
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	15	0.28
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	15	0.28
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.28
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.28
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.28
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.28
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.28
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.28

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.28
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	4	0.28
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	4	0.28
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	4	0.28
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	4	0.28
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	4	0.28
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	4	0.28
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	4	0.28
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.28
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.28
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	1	0.28
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	5	0.28
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	5	0.28
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	5	0.28
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	5	0.28
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	5	0.28
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	5	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	13	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	13	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	14	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	14	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	13	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	13	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	14	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	14	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	13	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	13	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	14	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	14	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	3	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	3	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	3	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	14	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	14	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	14	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	3	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	3	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	3	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	14	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	14	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	14	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	3	0.28

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	3	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	3	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	14	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	14	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	14	0.28
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	9	0.27
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	6	0.27
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	12	0.27
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	9	0.27
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	6	0.27
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	12	0.27
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	9	0.27
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	6	0.27
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	12	0.27
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	6	0.27
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	6	0.27
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	4	0.27
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	12	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	14	0.27
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	5	0.27
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	5	0.27
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	5	0.27
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	5	0.27
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	5	0.27
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	5	0.27
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	5	0.27
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	5	0.27
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	5	0.27
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	5	0.27
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	5	0.27
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	5	0.27
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	7	0.27
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	7	0.27
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	7	0.27
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	7	0.27
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	7	0.27
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	7	0.27

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	11	0.27
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	11	0.27
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	11	0.27
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	11	0.27
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	11	0.27
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	11	0.27
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	7	0.27
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	7	0.27
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	7	0.27
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	11	0.27
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	11	0.27
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	11	0.27
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	15	0.27
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	15	0.27
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	15	0.27
(1,1010)	1:707:C:ARG:HE	1:704:C:LEU:HD11	2	0.27
(1,1010)	1:707:C:ARG:HE	1:704:C:LEU:HD12	2	0.27
(1,1010)	1:707:C:ARG:HE	1:704:C:LEU:HD13	2	0.27
(1,1010)	1:707:C:ARG:HE	1:704:C:LEU:HD21	2	0.27
(1,1010)	1:707:C:ARG:HE	1:704:C:LEU:HD22	2	0.27
(1,1010)	1:707:C:ARG:HE	1:704:C:LEU:HD23	2	0.27
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	8	0.27
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	5	0.27
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	5	0.27
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	5	0.27
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	5	0.27
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	5	0.27
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	5	0.27
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.27
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.27
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.27
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	6	0.27
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	6	0.27
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	6	0.27
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	12	0.27
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	6	0.27
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	6	0.27
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	4	0.27
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	12	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	14	0.27
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	5	0.27
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	5	0.27
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	5	0.27
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	5	0.27
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	5	0.27
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	5	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	5	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	5	0.27
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	5	0.27
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	5	0.27
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	5	0.27
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	5	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	7	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	7	0.27
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	7	0.27
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	7	0.27
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	7	0.27
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	7	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	11	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	11	0.27
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	11	0.27
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	11	0.27

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	11	0.27
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	11	0.27
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	7	0.27
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	7	0.27
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	7	0.27
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	11	0.27
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	11	0.27
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	11	0.27
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	15	0.27
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	15	0.27
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	15	0.27
(1,669)	1:707:C:ARG:HE	1:704:C:LEU:HD11	2	0.27
(1,669)	1:707:C:ARG:HE	1:704:C:LEU:HD12	2	0.27
(1,669)	1:707:C:ARG:HE	1:704:C:LEU:HD13	2	0.27
(1,669)	1:707:C:ARG:HE	1:704:C:LEU:HD21	2	0.27
(1,669)	1:707:C:ARG:HE	1:704:C:LEU:HD22	2	0.27
(1,669)	1:707:C:ARG:HE	1:704:C:LEU:HD23	2	0.27
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	8	0.27
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	5	0.27
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	5	0.27
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	5	0.27
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	5	0.27
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	5	0.27
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	5	0.27
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.27
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.27
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.27
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	6	0.27
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	6	0.27
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	6	0.27
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	12	0.27
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	6	0.27
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	6	0.27
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	4	0.27
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	12	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	14	0.27
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	5	0.27
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	5	0.27
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	5	0.27
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	5	0.27
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	5	0.27
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	5	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	5	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	5	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	5	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	5	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	5	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	5	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	7	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	7	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	7	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	7	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	7	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	7	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	11	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	11	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	11	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	11	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	11	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	11	0.27
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	7	0.27
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	7	0.27

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	7	0.27
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	11	0.27
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	11	0.27
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	11	0.27
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	15	0.27
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	15	0.27
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	15	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD11	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD12	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD13	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD21	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD22	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD23	2	0.27
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	8	0.27
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	5	0.27
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	5	0.27
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	5	0.27
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	5	0.27
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	5	0.27
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	5	0.27
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.27
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.27
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.27
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	6	0.27
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	6	0.27
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	6	0.27
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	12	0.27
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	12	0.27
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	12	0.27
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	12	0.27

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	12	0.27
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	12	0.27
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.27
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.27
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.27
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.27
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.27
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.27
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	4	0.27
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	4	0.27
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	4	0.27
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	4	0.27
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	4	0.27
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	4	0.27
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	4	0.26
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	11	0.26
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	3	0.26
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	5	0.26
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	4	0.26
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	11	0.26
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	3	0.26
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	5	0.26
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	4	0.26
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	11	0.26
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	3	0.26
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	5	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	4	0.26
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	13	0.26
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	13	0.26
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	13	0.26
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	15	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	5	0.26

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	1	0.26
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	2	0.26
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	2	0.26
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	12	0.26
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	10	0.26
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	10	0.26
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	10	0.26
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	15	0.26
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	15	0.26
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	15	0.26
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	9	0.26
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	9	0.26
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	15	0.26
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	15	0.26
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	11	0.26
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.26
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.26
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.26
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.26
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	15	0.26
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.26
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.26
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.26
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.26
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.26
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.26
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	4	0.26
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	15	0.26
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	15	0.26
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	15	0.26
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	15	0.26
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	15	0.26
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	15	0.26
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	15	0.26
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.26
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	6	0.26
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	6	0.26
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	6	0.26
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.26
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.26
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.26
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.26

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.26
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	11	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	11	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	11	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	11	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	11	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	11	0.26
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.26
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.26
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.26
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.26
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.26
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.26
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.26
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.26
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	6	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	6	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	6	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	6	0.26
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	6	0.26
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	6	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.26
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.26
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	4	0.26

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	4	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	4	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	4	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	4	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	4	0.26
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	13	0.26
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	13	0.26
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	13	0.26
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	15	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	5	0.26
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	1	0.26
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	2	0.26
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	2	0.26
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	12	0.26
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	10	0.26
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	10	0.26
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	10	0.26
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	15	0.26
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	15	0.26
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	15	0.26
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	9	0.26
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	9	0.26
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	15	0.26
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	15	0.26
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	11	0.26
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.26
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.26
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.26
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.26
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	15	0.26
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.26
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.26
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.26
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.26
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.26
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.26
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	4	0.26

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	15	0.26
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	15	0.26
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	15	0.26
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	15	0.26
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	15	0.26
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	15	0.26
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	15	0.26
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.26
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	6	0.26
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	6	0.26
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	6	0.26
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.26
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.26
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.26
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.26
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.26
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	11	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	11	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	11	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	11	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	11	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	11	0.26
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.26
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.26
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.26
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.26
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.26
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.26
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.26

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.26
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	6	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	6	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	6	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	6	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	6	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	6	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	4	0.26
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	13	0.26
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	13	0.26
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	13	0.26
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	15	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	5	0.26
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	1	0.26
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	2	0.26
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	2	0.26
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	12	0.26
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	10	0.26
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	10	0.26
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	10	0.26
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	15	0.26
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	15	0.26
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	15	0.26
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	9	0.26
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	9	0.26

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	15	0.26
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	15	0.26
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	11	0.26
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.26
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.26
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.26
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.26
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	15	0.26
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.26
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.26
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.26
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.26
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.26
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.26
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	4	0.26
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	15	0.26
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	15	0.26
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	15	0.26
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	15	0.26
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	15	0.26
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	15	0.26
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	15	0.26
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.26
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	6	0.26
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	6	0.26
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	6	0.26
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.26
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.26
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.26
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.26
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.26
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.26

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	11	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	11	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	11	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	11	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	11	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	11	0.26
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.26
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.26
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.26
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.26
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.26
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.26
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.26
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.26
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.26
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	6	0.26
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	6	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	6	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	6	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	6	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	6	0.26
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.26
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.26
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	4	0.26
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	4	0.26
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	4	0.26
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	4	0.26
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	4	0.26
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	4	0.26
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.26
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.26
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.26
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.26
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.26
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.26
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.26

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.26
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.26
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.26
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.26
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.26
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.26
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.26
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.26
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.26
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.26
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.26
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	1	0.25
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	3	0.25
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	7	0.25
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	5	0.25
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.25
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	1	0.25
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	3	0.25
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	7	0.25
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	5	0.25
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.25
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	1	0.25
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	3	0.25
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	7	0.25
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	5	0.25
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.25
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	15	0.25
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	15	0.25
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	3	0.25
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	3	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	15	0.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	5	0.25
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	5	0.25
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	5	0.25
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	8	0.25
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	9	0.25
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	8	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	4	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	4	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	4	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	4	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	4	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	4	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	6	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	6	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	6	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	6	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	6	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	6	0.25
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	5	0.25
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	3	0.25
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	3	0.25
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	3	0.25
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	3	0.25
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	3	0.25
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	3	0.25
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.25
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	4	0.25
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	4	0.25
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	1	0.25
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	1	0.25
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	1	0.25
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	1	0.25
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	1	0.25
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	1	0.25
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	10	0.25
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	10	0.25
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	10	0.25
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	3	0.25
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	13	0.25
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	13	0.25
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	13	0.25
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	13	0.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	13	0.25
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	13	0.25
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.25
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.25
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.25
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.25
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.25
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.25
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	1	0.25
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	1	0.25
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	1	0.25
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	1	0.25
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	1	0.25
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	1	0.25
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	9	0.25
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	8	0.25
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	8	0.25
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	8	0.25
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	8	0.25
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	8	0.25
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	8	0.25
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.25
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.25
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.25
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.25
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.25
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.25
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.25
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.25
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.25
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.25
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.25
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.25
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.25
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.25
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.25

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.25
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.25
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.25
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.25
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.25
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.25
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	15	0.25
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	15	0.25
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	3	0.25
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	3	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	15	0.25
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	5	0.25
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	5	0.25
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	5	0.25
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	8	0.25
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	9	0.25
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	8	0.25
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	4	0.25
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	4	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	4	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	4	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	4	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	4	0.25
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	6	0.25
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	6	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	6	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	6	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	6	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	6	0.25
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	5	0.25
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	3	0.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	3	0.25
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	3	0.25
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	3	0.25
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	3	0.25
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	3	0.25
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.25
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	4	0.25
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	4	0.25
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	1	0.25
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	1	0.25
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	1	0.25
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	1	0.25
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	1	0.25
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	1	0.25
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	10	0.25
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	10	0.25
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	10	0.25
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	3	0.25
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	13	0.25
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	13	0.25
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	13	0.25
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	13	0.25
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	13	0.25
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	13	0.25
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.25
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.25
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.25
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.25
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.25
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.25
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	1	0.25
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	1	0.25
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	1	0.25
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	1	0.25
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	1	0.25
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	1	0.25
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	9	0.25
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	8	0.25
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	8	0.25
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	8	0.25
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	8	0.25
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	8	0.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	8	0.25
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.25
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.25
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.25
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.25
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.25
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.25
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.25
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.25
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.25
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.25
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.25
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.25
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.25
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.25
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.25
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.25
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.25
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.25
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.25
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.25
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.25
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	15	0.25
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	15	0.25
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	3	0.25
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	3	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	13	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	13	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	13	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	13	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	13	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	13	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	15	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	15	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	15	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	15	0.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	15	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	15	0.25
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	5	0.25
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	5	0.25
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	5	0.25
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	8	0.25
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	9	0.25
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	8	0.25
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	4	0.25
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	4	0.25
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	4	0.25
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	4	0.25
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	4	0.25
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	4	0.25
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	6	0.25
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	6	0.25
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	6	0.25
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	6	0.25
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	6	0.25
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	6	0.25
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	5	0.25
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	3	0.25
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	3	0.25
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	3	0.25
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	3	0.25
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	3	0.25
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	3	0.25
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.25
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	4	0.25
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	4	0.25
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	1	0.25
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	1	0.25
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	1	0.25
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	1	0.25
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	1	0.25
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	1	0.25
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	10	0.25
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	10	0.25
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	10	0.25
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	3	0.25
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	13	0.25
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	13	0.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	13	0.25
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	13	0.25
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	13	0.25
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	13	0.25
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.25
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.25
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.25
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.25
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.25
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.25
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	1	0.25
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	1	0.25
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	1	0.25
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	1	0.25
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	1	0.25
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	1	0.25
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	9	0.25
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	8	0.25
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	8	0.25
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	8	0.25
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	8	0.25
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	8	0.25
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	8	0.25
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.25
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.25
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.25
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.25
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.25
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.25
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.25
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.25
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.25
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.25
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.25
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.25
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.25

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.25
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.25
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.25
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.25
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.25
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.25
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.25
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.25
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	8	0.25
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	8	0.25
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	8	0.25
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	8	0.25
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	8	0.25
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	8	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	8	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	8	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	12	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	12	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	14	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	14	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	8	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	8	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	12	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	12	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	14	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	14	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	8	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	8	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	12	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	12	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	14	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	14	0.25
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	15	0.25
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	15	0.25
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	15	0.25
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	15	0.25
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	15	0.25
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	15	0.25
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	7	0.25
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	7	0.25
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	7	0.25
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	7	0.25

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	7	0.25
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	7	0.25
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	7	0.25
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	7	0.25
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	7	0.25
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	3	0.24
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	5	0.24
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	5	0.24
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	15	0.24
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	11	0.24
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	3	0.24
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	5	0.24
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	5	0.24
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	15	0.24
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	11	0.24
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	3	0.24
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	5	0.24
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	5	0.24
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	15	0.24
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	11	0.24
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	8	0.24
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	8	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	11	0.24
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	1	0.24
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	7	0.24
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	1	0.24
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	1	0.24
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	1	0.24
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	1	0.24
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	1	0.24
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	1	0.24
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	6	0.24
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	6	0.24
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	6	0.24
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	6	0.24
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	6	0.24
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	6	0.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	11	0.24
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	11	0.24
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	6	0.24
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	12	0.24
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	13	0.24
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	7	0.24
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	7	0.24
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	7	0.24
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	8	0.24
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	8	0.24
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	8	0.24
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	8	0.24
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	8	0.24
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	8	0.24
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	12	0.24
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	12	0.24
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	12	0.24
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	6	0.24
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.24
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.24
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.24
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.24
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.24
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.24
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.24
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.24
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.24
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.24
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.24
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.24
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.24
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.24
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.24
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	6	0.24
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	6	0.24
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	6	0.24
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	2	0.24
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	2	0.24
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	2	0.24
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.24
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.24
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.24
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.24
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.24
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.24
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.24
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.24
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.24
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.24
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.24
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.24
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.24
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.24
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.24
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	8	0.24
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	8	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	11	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	11	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	11	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	11	0.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	11	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	11	0.24
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	1	0.24
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	7	0.24
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	1	0.24
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	1	0.24
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	1	0.24
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	1	0.24
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	1	0.24
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	1	0.24
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	6	0.24
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	6	0.24
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	6	0.24
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	6	0.24
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	6	0.24
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	6	0.24
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	11	0.24
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	11	0.24
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	6	0.24
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	12	0.24
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	13	0.24
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	7	0.24
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	7	0.24
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	7	0.24
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	8	0.24
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	8	0.24
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	8	0.24
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	8	0.24
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	8	0.24
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	8	0.24
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	12	0.24
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	12	0.24
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	12	0.24
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	6	0.24
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.24
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.24
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.24
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.24
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.24
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.24
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.24
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.24
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.24
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.24
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.24
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.24
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.24
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.24
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	6	0.24
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	6	0.24
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	6	0.24
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	2	0.24
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	2	0.24
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	2	0.24
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.24
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.24
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.24
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.24
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.24
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.24
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.24
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.24
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.24
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.24
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.24
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.24
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.24
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.24
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.24
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	8	0.24
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	8	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	11	0.24
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	1	0.24
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	7	0.24
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	1	0.24
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	1	0.24
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	1	0.24
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	1	0.24
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	1	0.24
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	1	0.24
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	6	0.24
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	6	0.24
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	6	0.24
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	6	0.24
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	6	0.24
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	6	0.24
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	11	0.24
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	11	0.24
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	6	0.24
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	12	0.24
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	13	0.24
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	7	0.24
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	7	0.24
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	7	0.24
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	8	0.24
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	8	0.24

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	8	0.24
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	8	0.24
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	8	0.24
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	8	0.24
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	12	0.24
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	12	0.24
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	12	0.24
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	6	0.24
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.24
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.24
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.24
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.24
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.24
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.24
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.24
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.24
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.24
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.24
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.24
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.24
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.24
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.24
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.24
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	6	0.24
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	6	0.24
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	6	0.24
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	2	0.24
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	2	0.24
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	2	0.24
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.24
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.24
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.24
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.24
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.24
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.24
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.24
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.24
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.24
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.24
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.24
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.24
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.24
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.24
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.24
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	7	0.24
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	7	0.24
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	7	0.24
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	7	0.24
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	7	0.24
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	7	0.24
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.24
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	1	0.24
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	1	0.24
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	1	0.24
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	1	0.24
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	1	0.24
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	12	0.24
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.24
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.24
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.24
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.24
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.24
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.24
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.24
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.24
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.24
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.24
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.24
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	1	0.24
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	1	0.24
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	1	0.24
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	1	0.24
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	1	0.24
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	12	0.24
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.24
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.24
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.24
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.24
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.24
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.24
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.24
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.24
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.24
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.24
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.24
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.24
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	1	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	1	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	1	0.24
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	1	0.24
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	1	0.24
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	12	0.24
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.24
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.24
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.24
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.24
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.24

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.24
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.24
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.24
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.24
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.24
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.24
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.24
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.24
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	7	0.24
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	7	0.24
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	7	0.24
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	7	0.24
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	7	0.24
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	7	0.24
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.24
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.24
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.24
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.24
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.24
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.24
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	7	0.24
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	7	0.24
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	7	0.24
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	7	0.24
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	7	0.24
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	7	0.24
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.24
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.24
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.24
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.24
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.24
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.24
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	7	0.24
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	7	0.24
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	7	0.24
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	7	0.24
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	7	0.24
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	7	0.24
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	10	0.23
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	5	0.23
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	7	0.23
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	10	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	5	0.23
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	7	0.23
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	10	0.23
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	5	0.23
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	7	0.23
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.23
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	2	0.23
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	2	0.23
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	10	0.23
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	12	0.23
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	12	0.23
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	12	0.23
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	7	0.23
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	7	0.23
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	7	0.23
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	7	0.23
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	7	0.23
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	7	0.23
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	15	0.23
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	15	0.23
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	15	0.23
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	15	0.23
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	15	0.23
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	15	0.23
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	3	0.23
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	3	0.23
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	3	0.23
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	4	0.23
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	4	0.23
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	4	0.23
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	12	0.23
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	12	0.23
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	12	0.23
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	4	0.23
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	4	0.23
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	4	0.23
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	4	0.23
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	4	0.23
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	4	0.23
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	7	0.23
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	14	0.23
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	9	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.23
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.23
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.23
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	10	0.23
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	10	0.23
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	10	0.23
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	10	0.23
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	10	0.23
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	10	0.23
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	13	0.23
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	13	0.23
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	13	0.23
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	13	0.23
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	13	0.23
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	13	0.23
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	2	0.23
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	2	0.23
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	2	0.23
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	2	0.23
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	2	0.23
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	2	0.23
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	8	0.23
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	8	0.23
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	8	0.23
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	8	0.23
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	8	0.23
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	8	0.23
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.23
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	3	0.23
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	3	0.23
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	3	0.23
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	1	0.23
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	1	0.23
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	1	0.23
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	1	0.23
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	1	0.23
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	1	0.23
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	15	0.23
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	15	0.23
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	15	0.23
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	15	0.23
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	15	0.23

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	15	0.23
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	7	0.23
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	7	0.23
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	7	0.23
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	7	0.23
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	7	0.23
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	7	0.23
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.23
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.23
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.23
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	10	0.23
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	10	0.23
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	10	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	2	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	2	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	2	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	2	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	2	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	2	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	4	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	4	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	4	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	4	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	4	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	4	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	9	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	9	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	9	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	9	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	9	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	9	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.23
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	14	0.23
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.23
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	2	0.23
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	2	0.23
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	10	0.23
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	12	0.23
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	12	0.23
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	12	0.23
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	7	0.23
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	7	0.23
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	7	0.23
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	7	0.23
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	7	0.23
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	7	0.23
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	15	0.23
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	15	0.23
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	15	0.23
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	15	0.23
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	15	0.23
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	15	0.23
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	3	0.23
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	3	0.23
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	3	0.23
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	4	0.23
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	4	0.23
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	4	0.23
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	12	0.23
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	12	0.23
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	12	0.23
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	4	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	4	0.23
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	4	0.23
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	4	0.23
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	4	0.23
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	4	0.23
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	7	0.23
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	14	0.23
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	9	0.23
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.23
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.23
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.23
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	10	0.23
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	10	0.23
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	10	0.23
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	10	0.23
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	10	0.23
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	10	0.23
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	13	0.23
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	13	0.23
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	13	0.23
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	13	0.23
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	13	0.23
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	13	0.23
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	2	0.23
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	2	0.23
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	2	0.23
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	2	0.23
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	2	0.23
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	2	0.23
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	8	0.23
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	8	0.23
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	8	0.23
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	8	0.23
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	8	0.23
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	8	0.23
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.23
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	3	0.23
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	3	0.23
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	3	0.23
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	1	0.23
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	1	0.23
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	1	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	1	0.23
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	1	0.23
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	1	0.23
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	15	0.23
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	15	0.23
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	15	0.23
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	15	0.23
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	15	0.23
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	15	0.23
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	7	0.23
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	7	0.23
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	7	0.23
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	7	0.23
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	7	0.23
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	7	0.23
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.23
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.23
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.23
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	10	0.23
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	10	0.23
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	10	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	2	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	2	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	2	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	2	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	2	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	2	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	4	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	4	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	4	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	4	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	4	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	4	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	9	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	9	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	9	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	9	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	9	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	9	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.23
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	14	0.23
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.23
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	2	0.23
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	2	0.23
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	10	0.23
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	12	0.23
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	12	0.23
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	12	0.23
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	7	0.23
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	7	0.23
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	7	0.23
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	7	0.23
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	7	0.23
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	7	0.23
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	15	0.23
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	15	0.23
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	15	0.23
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	15	0.23
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	15	0.23
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	15	0.23
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	3	0.23
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	3	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	3	0.23
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	4	0.23
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	4	0.23
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	4	0.23
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	12	0.23
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	12	0.23
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	12	0.23
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	4	0.23
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	4	0.23
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	4	0.23
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	4	0.23
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	4	0.23
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	4	0.23
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	7	0.23
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	14	0.23
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	9	0.23
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.23
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.23
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.23
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	10	0.23
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	10	0.23
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	10	0.23
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	10	0.23
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	10	0.23
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	10	0.23
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	13	0.23
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	13	0.23
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	13	0.23
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	13	0.23
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	13	0.23
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	13	0.23
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	2	0.23
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	2	0.23
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	2	0.23
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	2	0.23
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	2	0.23
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	2	0.23
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	8	0.23
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	8	0.23
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	8	0.23
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	8	0.23
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	8	0.23

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	8	0.23
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.23
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	3	0.23
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	3	0.23
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	3	0.23
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	1	0.23
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	1	0.23
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	1	0.23
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	1	0.23
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	1	0.23
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	1	0.23
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	15	0.23
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	15	0.23
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	15	0.23
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	15	0.23
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	15	0.23
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	15	0.23
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	7	0.23
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	7	0.23
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	7	0.23
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	7	0.23
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	7	0.23
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	7	0.23
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.23
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.23
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.23
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	10	0.23
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	10	0.23
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	10	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	2	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	2	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	2	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	2	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	2	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	2	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	4	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	4	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	4	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	4	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	4	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	4	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	9	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	9	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	9	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	9	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	9	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	9	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.23
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	14	0.23
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	6	0.23
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	6	0.23
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	6	0.23
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	6	0.23
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	6	0.23
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	6	0.23
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	11	0.23
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	11	0.23
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	11	0.23
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	11	0.23
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	11	0.23
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	11	0.23
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	2	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	2	0.23
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	2	0.23
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	2	0.23
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	2	0.23
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	2	0.23
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	1	0.23
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	1	0.23
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	1	0.23
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	1	0.23
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	1	0.23
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	1	0.23
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	1	0.23
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	1	0.23
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	1	0.23
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	1	0.23
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	1	0.23
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	1	0.23
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	1	0.23
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	1	0.23
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	1	0.23
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	1	0.23
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	1	0.23
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	1	0.23
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.23
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.23
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.23
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.23
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.23
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.23
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.23
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.23
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.23
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.23
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.23
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.23
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.23
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.23
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.23
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.23
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.23
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.23
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.23

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.23
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.23
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.23
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.23
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.23
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.23
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.23
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.23
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.23
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.23
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.23
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.23
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.23
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.23
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.23
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.23
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.23
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	0.23
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	0.23
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	0.23
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	0.23
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	0.23
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	0.23
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	0.23
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	0.23
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	0.23
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	0.23
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	0.23
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	0.23
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	0.23
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	0.23
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	0.23
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	0.23
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	0.23
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	0.23
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	15	0.22
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	6	0.22
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	12	0.22
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	9	0.22
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	6	0.22
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	15	0.22
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	6	0.22

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	12	0.22
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	9	0.22
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	6	0.22
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	15	0.22
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	6	0.22
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	12	0.22
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	9	0.22
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	6	0.22
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	11	0.22
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	11	0.22
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	4	0.22
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	4	0.22
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	2	0.22
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	2	0.22
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	15	0.22
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	15	0.22
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	10	0.22
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	10	0.22
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	10	0.22
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	3	0.22
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	1	0.22
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	1	0.22
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	1	0.22
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	4	0.22
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	4	0.22
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	4	0.22
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	9	0.22
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	9	0.22
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	9	0.22
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD2	14	0.22
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD3	14	0.22
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	7	0.22
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	7	0.22
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	7	0.22
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	7	0.22
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	7	0.22
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	7	0.22
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	4	0.22
(1,1108)	1:763:C:LEU:HD11	1:764:C:SER:HG	9	0.22
(1,1108)	1:763:C:LEU:HD12	1:764:C:SER:HG	9	0.22
(1,1108)	1:763:C:LEU:HD13	1:764:C:SER:HG	9	0.22
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	8	0.22

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	8	0.22
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	8	0.22
(1,1105)	1:760:C:LEU:HD21	1:768:C:TYR:HE1	1	0.22
(1,1105)	1:760:C:LEU:HD21	1:768:C:TYR:HE2	1	0.22
(1,1105)	1:760:C:LEU:HD22	1:768:C:TYR:HE1	1	0.22
(1,1105)	1:760:C:LEU:HD22	1:768:C:TYR:HE2	1	0.22
(1,1105)	1:760:C:LEU:HD23	1:768:C:TYR:HE1	1	0.22
(1,1105)	1:760:C:LEU:HD23	1:768:C:TYR:HE2	1	0.22
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	11	0.22
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	11	0.22
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	11	0.22
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	11	0.22
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	11	0.22
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	11	0.22
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	11	0.22
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	5	0.22
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	5	0.22
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	5	0.22
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	13	0.22
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	13	0.22
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	13	0.22
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.22
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.22
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	12	0.22
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	12	0.22
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.22
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.22
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.22
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.22
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.22
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.22
(1,993)	1:705:C:VAL:HG21	1:702:C:LEU:HG	3	0.22
(1,993)	1:705:C:VAL:HG22	1:702:C:LEU:HG	3	0.22
(1,993)	1:705:C:VAL:HG23	1:702:C:LEU:HG	3	0.22
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.22
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.22
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.22
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.22
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.22
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.22
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	3	0.22
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.22

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	6	0.22
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	10	0.22
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.22
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.22
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.22
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.22
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.22
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.22
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.22
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.22
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.22
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.22
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.22
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	11	0.22
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	11	0.22
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	4	0.22
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	4	0.22
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	2	0.22
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	2	0.22
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	15	0.22
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	15	0.22
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	10	0.22
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	10	0.22
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	10	0.22

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	3	0.22
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	1	0.22
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	1	0.22
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	1	0.22
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	4	0.22
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	4	0.22
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	4	0.22
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	9	0.22
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	9	0.22
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	9	0.22
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD2	14	0.22
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD3	14	0.22
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	7	0.22
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	7	0.22
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	7	0.22
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	7	0.22
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	7	0.22
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	7	0.22
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	4	0.22
(1,767)	1:763:C:LEU:HD11	1:764:C:SER:HG	9	0.22
(1,767)	1:763:C:LEU:HD12	1:764:C:SER:HG	9	0.22
(1,767)	1:763:C:LEU:HD13	1:764:C:SER:HG	9	0.22
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	8	0.22
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	8	0.22
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	8	0.22
(1,764)	1:760:C:LEU:HD21	1:768:C:TYR:HE1	1	0.22
(1,764)	1:760:C:LEU:HD21	1:768:C:TYR:HE2	1	0.22
(1,764)	1:760:C:LEU:HD22	1:768:C:TYR:HE1	1	0.22
(1,764)	1:760:C:LEU:HD22	1:768:C:TYR:HE2	1	0.22
(1,764)	1:760:C:LEU:HD23	1:768:C:TYR:HE1	1	0.22
(1,764)	1:760:C:LEU:HD23	1:768:C:TYR:HE2	1	0.22
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	11	0.22
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	11	0.22
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	11	0.22
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	11	0.22
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	11	0.22
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	11	0.22
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	11	0.22
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	5	0.22
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	5	0.22
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	5	0.22
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	13	0.22

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	13	0.22
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	13	0.22
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.22
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.22
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	12	0.22
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	12	0.22
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.22
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.22
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.22
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.22
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.22
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.22
(1,652)	1:705:C:VAL:HG21	1:702:C:LEU:HG	3	0.22
(1,652)	1:705:C:VAL:HG22	1:702:C:LEU:HG	3	0.22
(1,652)	1:705:C:VAL:HG23	1:702:C:LEU:HG	3	0.22
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.22
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.22
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.22
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.22
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.22
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.22
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	3	0.22
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.22
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	6	0.22
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	10	0.22
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.22
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.22
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.22
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.22

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.22
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.22
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.22
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.22
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.22
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.22
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.22
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.22
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	11	0.22
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	11	0.22
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	4	0.22
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	4	0.22
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	2	0.22
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	2	0.22
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	15	0.22
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	15	0.22
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	10	0.22
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	10	0.22
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	10	0.22
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	3	0.22
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	1	0.22
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	1	0.22
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	1	0.22
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	4	0.22
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	4	0.22
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	4	0.22
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	9	0.22
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	9	0.22
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	9	0.22
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD2	14	0.22
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD3	14	0.22
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	7	0.22
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	7	0.22
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	7	0.22
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	7	0.22
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	7	0.22
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	7	0.22
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	4	0.22

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,426)	1:763:C:LEU:HD11	1:764:C:SER:HG	9	0.22
(1,426)	1:763:C:LEU:HD12	1:764:C:SER:HG	9	0.22
(1,426)	1:763:C:LEU:HD13	1:764:C:SER:HG	9	0.22
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	8	0.22
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	8	0.22
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	8	0.22
(1,423)	1:760:C:LEU:HD21	1:768:C:TYR:HE1	1	0.22
(1,423)	1:760:C:LEU:HD21	1:768:C:TYR:HE2	1	0.22
(1,423)	1:760:C:LEU:HD22	1:768:C:TYR:HE1	1	0.22
(1,423)	1:760:C:LEU:HD22	1:768:C:TYR:HE2	1	0.22
(1,423)	1:760:C:LEU:HD23	1:768:C:TYR:HE1	1	0.22
(1,423)	1:760:C:LEU:HD23	1:768:C:TYR:HE2	1	0.22
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	11	0.22
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	11	0.22
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	11	0.22
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	11	0.22
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	11	0.22
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	11	0.22
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	11	0.22
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	5	0.22
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	5	0.22
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	5	0.22
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	13	0.22
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	13	0.22
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	13	0.22
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.22
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.22
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	12	0.22
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	12	0.22
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.22
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.22
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.22
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.22
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.22
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.22
(1,311)	1:705:C:VAL:HG21	1:702:C:LEU:HG	3	0.22
(1,311)	1:705:C:VAL:HG22	1:702:C:LEU:HG	3	0.22
(1,311)	1:705:C:VAL:HG23	1:702:C:LEU:HG	3	0.22
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.22
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.22
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.22
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.22

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.22
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.22
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	3	0.22
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.22
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	6	0.22
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	10	0.22
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.22
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.22
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.22
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.22
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.22
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.22
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.22
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.22
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.22
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.22
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	3	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	3	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	6	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	6	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	15	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	15	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	3	0.22

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	3	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	6	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	6	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	15	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	15	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	3	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	3	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	6	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	6	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	15	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	15	0.22
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	7	0.22
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	7	0.22
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	7	0.22
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.22
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.22
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.22
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.22
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.22
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.22
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.22
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.22
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.22
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.22
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.22
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.22
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.22
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.22
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.22
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.22
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.22
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.22
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.22
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	2	0.22
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	2	0.22
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	2	0.22
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	2	0.22
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	2	0.22
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	4	0.22
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	4	0.22
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	4	0.22
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	4	0.22

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	4	0.22
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	4	0.22
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.22
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	2	0.22
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	2	0.22
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	2	0.22
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	2	0.22
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	2	0.22
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	4	0.22
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	4	0.22
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	4	0.22
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	4	0.22
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	4	0.22
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	4	0.22
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.22
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	2	0.22
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	2	0.22
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	2	0.22
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	2	0.22
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	2	0.22
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	4	0.22
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	4	0.22
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	4	0.22
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	4	0.22
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	4	0.22
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	4	0.22
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	13	0.21
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	9	0.21
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	4	0.21
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	8	0.21
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	12	0.21
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	8	0.21
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	2	0.21
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	8	0.21
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	13	0.21
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	9	0.21
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	4	0.21
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	8	0.21
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	12	0.21
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	8	0.21
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	2	0.21
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	8	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	13	0.21
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	9	0.21
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	4	0.21
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	8	0.21
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	12	0.21
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	8	0.21
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	2	0.21
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	8	0.21
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	6	0.21
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	6	0.21
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	10	0.21
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	10	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	11	0.21
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD11	3	0.21
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD12	3	0.21
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD13	3	0.21
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	11	0.21
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	9	0.21
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	1	0.21
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	14	0.21
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	14	0.21
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	14	0.21
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	14	0.21
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	14	0.21
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	14	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	12	0.21
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	12	0.21
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	6	0.21
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	6	0.21
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	6	0.21
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	11	0.21
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	11	0.21
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	11	0.21
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	11	0.21
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	11	0.21
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	11	0.21
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	3	0.21
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	3	0.21
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	3	0.21
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	3	0.21
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	3	0.21
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	3	0.21
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.21
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	7	0.21
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	7	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	9	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	9	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	9	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	9	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	9	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	9	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.21
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	8	0.21
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	8	0.21
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	8	0.21
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	8	0.21
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	8	0.21
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	8	0.21
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	8	0.21
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.21
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.21
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	3	0.21
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	3	0.21
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	3	0.21
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	3	0.21
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	3	0.21
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	3	0.21
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	11	0.21
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	11	0.21
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	11	0.21
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	11	0.21
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	11	0.21
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	11	0.21
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.21
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.21
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.21
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.21
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.21
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.21
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.21
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.21
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.21
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.21
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.21
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.21
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.21
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.21
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.21
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.21
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.21
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.21
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.21
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.21
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.21
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.21
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.21
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.21
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.21
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.21
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.21
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.21
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.21
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.21
(1,881)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	1	0.21
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	6	0.21
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	6	0.21
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	10	0.21
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	10	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	11	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	11	0.21

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	11	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	11	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	11	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	11	0.21
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD11	3	0.21
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD12	3	0.21
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD13	3	0.21
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	11	0.21
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	9	0.21
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	1	0.21
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	14	0.21
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	14	0.21
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	14	0.21
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	14	0.21
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	14	0.21
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	14	0.21
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	12	0.21
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	12	0.21
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	6	0.21
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	6	0.21
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	6	0.21
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	11	0.21
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	11	0.21
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	11	0.21
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	11	0.21
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	11	0.21
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	11	0.21
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	3	0.21
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	3	0.21
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	3	0.21
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	3	0.21
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	3	0.21
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	3	0.21
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.21
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	7	0.21
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	7	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	9	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	9	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	9	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	9	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	9	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	9	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.21
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	8	0.21
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	8	0.21
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	8	0.21
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	8	0.21
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	8	0.21
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	8	0.21
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	8	0.21
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.21
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.21
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.21
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	3	0.21
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	3	0.21
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	3	0.21
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	3	0.21
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	3	0.21
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	3	0.21
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	11	0.21
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	11	0.21
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	11	0.21
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	11	0.21
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	11	0.21
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	11	0.21
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.21
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.21
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.21
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.21
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.21
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.21
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.21
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.21
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.21
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.21
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.21
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.21
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.21
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.21
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.21
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.21
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.21
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.21
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.21
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.21
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.21
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.21
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.21
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.21
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.21
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.21
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.21
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.21
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.21
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	1	0.21
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	6	0.21
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	6	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	10	0.21
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	10	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	11	0.21
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD11	3	0.21
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD12	3	0.21
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD13	3	0.21
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	11	0.21
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	9	0.21
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	1	0.21
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	14	0.21
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	14	0.21
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	14	0.21
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	14	0.21
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	14	0.21
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	14	0.21
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	12	0.21
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	12	0.21
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	6	0.21
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	6	0.21
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	6	0.21
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	11	0.21
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	11	0.21
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	11	0.21
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	11	0.21
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	11	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	11	0.21
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	3	0.21
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	3	0.21
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	3	0.21
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	3	0.21
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	3	0.21
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	3	0.21
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.21
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	7	0.21
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	7	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	9	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	9	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	9	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	9	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	9	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	9	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.21
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	8	0.21
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	8	0.21
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	8	0.21
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	8	0.21
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	8	0.21
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	8	0.21
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	8	0.21
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.21
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.21
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.21
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	3	0.21
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	3	0.21
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	3	0.21
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	3	0.21
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	3	0.21
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	3	0.21
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	11	0.21
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	11	0.21
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	11	0.21
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	11	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	11	0.21
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	11	0.21
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.21
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.21
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.21
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.21
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.21
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.21
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.21
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.21
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.21
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.21
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.21
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.21
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.21
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.21
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.21
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.21
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.21
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.21
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.21
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.21
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.21
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.21
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.21
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.21
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.21
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.21
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.21
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.21
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.21
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.21
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.21
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.21
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.21
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.21
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.21
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.21
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.21
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.21
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.21
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.21

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.21
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.21
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.21
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.21
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.21
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.21
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.21
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.21
(1,199)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	1	0.21
(1,199)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	1	0.21
(1,199)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	1	0.21
(1,199)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	1	0.21
(1,199)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	1	0.21
(1,199)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	1	0.21
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.21
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.21
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.21
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.21
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.21
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.21
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.21
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.21
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.21
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.21
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.21
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.21
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.21
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.21
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.21
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.21
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.21
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.21
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.21
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.21
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.21
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.21
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.21
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.21
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.21
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.21
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.21
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.21
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.21
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.21
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.21
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.21
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.21
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.21
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.21
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.21
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.21
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.21
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.21
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.21
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.21
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.21
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.21
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.21
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.21

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.21
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.21
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	9	0.2
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	11	0.2
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	9	0.2
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	9	0.2
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	11	0.2
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	9	0.2
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	9	0.2
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	11	0.2
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	9	0.2
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB2	11	0.2
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB3	11	0.2
(1,1207)	1:797:C:TRP:H	1:796:C:TRP:HD1	1	0.2
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	9	0.2
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	9	0.2
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	9	0.2
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	9	0.2
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	9	0.2
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	9	0.2
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	13	0.2
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	13	0.2
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	13	0.2
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	13	0.2
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	13	0.2
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	13	0.2
(1,1164)	1:781:C:ILE:H	1:778:C:VAL:HA	8	0.2
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	14	0.2
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	14	0.2
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	14	0.2
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	3	0.2
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	11	0.2
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.2
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	14	0.2
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	1	0.2
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	1	0.2
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	1	0.2
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	9	0.2
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	9	0.2
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	9	0.2
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	6	0.2
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	6	0.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	6	0.2
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	6	0.2
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	6	0.2
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	6	0.2
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	4	0.2
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	4	0.2
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	2	0.2
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	2	0.2
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	2	0.2
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	2	0.2
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	2	0.2
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	2	0.2
(1,1059)	1:746:C:ILE:HD11	1:743:C:ASP:HA	12	0.2
(1,1059)	1:746:C:ILE:HD12	1:743:C:ASP:HA	12	0.2
(1,1059)	1:746:C:ILE:HD13	1:743:C:ASP:HA	12	0.2
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	11	0.2
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	11	0.2
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	11	0.2
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	11	0.2
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	11	0.2
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	11	0.2
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	4	0.2
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	5	0.2
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	8	0.2
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	8	0.2
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	8	0.2
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	14	0.2
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	14	0.2
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	14	0.2
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	11	0.2
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	11	0.2
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	11	0.2
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	11	0.2
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	11	0.2
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	11	0.2
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	12	0.2
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	12	0.2
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	12	0.2
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	4	0.2
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.2
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.2
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.2
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.2
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.2
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	5	0.2
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	5	0.2
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	5	0.2
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	13	0.2
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	13	0.2
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	13	0.2
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.2
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.2
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.2
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.2
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.2
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.2
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.2
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.2
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.2
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.2
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.2
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.2
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.2
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.2
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.2
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.2
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.2
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.2
(1,889)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	2	0.2
(1,889)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	2	0.2
(1,889)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	2	0.2
(1,889)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	2	0.2
(1,889)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	2	0.2
(1,889)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	2	0.2
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.2
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.2
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.2
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.2
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.2
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.2
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.2
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB2	11	0.2
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB3	11	0.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,866)	1:797:C:TRP:H	1:796:C:TRP:HD1	1	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	9	0.2
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	13	0.2
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	13	0.2
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	13	0.2
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	13	0.2
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	13	0.2
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	13	0.2
(1,823)	1:781:C:ILE:H	1:778:C:VAL:HA	8	0.2
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	14	0.2
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	14	0.2
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	14	0.2
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	3	0.2
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	11	0.2
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.2
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	14	0.2
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	1	0.2
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	1	0.2
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	1	0.2
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	9	0.2
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	9	0.2
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	9	0.2
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	6	0.2
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	6	0.2
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	6	0.2
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	6	0.2
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	6	0.2
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	6	0.2
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	4	0.2
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	4	0.2
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	2	0.2
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	2	0.2
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	2	0.2
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	2	0.2
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	2	0.2
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	2	0.2
(1,718)	1:746:C:ILE:HD11	1:743:C:ASP:HA	12	0.2

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,718)	1:746:C:ILE:HD12	1:743:C:ASP:HA	12	0.2
(1,718)	1:746:C:ILE:HD13	1:743:C:ASP:HA	12	0.2
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	11	0.2
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	11	0.2
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	11	0.2
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	11	0.2
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	11	0.2
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	11	0.2
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	4	0.2
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	5	0.2
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	8	0.2
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	8	0.2
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	8	0.2
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	14	0.2
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	14	0.2
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	14	0.2
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	11	0.2
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	11	0.2
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	11	0.2
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	11	0.2
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	11	0.2
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	11	0.2
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	12	0.2
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	12	0.2
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	12	0.2
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	4	0.2
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.2
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.2
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.2
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.2
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.2
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.2
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	5	0.2
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	5	0.2
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	5	0.2
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	13	0.2
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	13	0.2
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	13	0.2
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.2
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.2
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.2
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.2
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.2
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.2
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.2
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.2
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.2
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.2
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.2
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.2
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.2
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.2
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.2
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.2
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.2
(1,548)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	2	0.2
(1,548)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	2	0.2
(1,548)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	2	0.2
(1,548)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	2	0.2
(1,548)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	2	0.2
(1,548)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	2	0.2
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.2
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.2
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.2
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.2
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.2
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.2
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.2
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB2	11	0.2
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB3	11	0.2
(1,525)	1:797:C:TRP:H	1:796:C:TRP:HD1	1	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	9	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	9	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	9	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	9	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	9	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	9	0.2
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	13	0.2
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	13	0.2
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	13	0.2
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	13	0.2
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	13	0.2
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	13	0.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,482)	1:781:C:ILE:H	1:778:C:VAL:HA	8	0.2
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	14	0.2
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	14	0.2
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	14	0.2
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	3	0.2
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	11	0.2
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.2
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	14	0.2
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	1	0.2
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	1	0.2
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	1	0.2
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	9	0.2
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	9	0.2
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	9	0.2
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	6	0.2
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	6	0.2
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	6	0.2
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	6	0.2
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	6	0.2
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	6	0.2
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	4	0.2
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	4	0.2
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	2	0.2
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	2	0.2
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	2	0.2
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	2	0.2
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	2	0.2
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	2	0.2
(1,377)	1:746:C:ILE:HD11	1:743:C:ASP:HA	12	0.2
(1,377)	1:746:C:ILE:HD12	1:743:C:ASP:HA	12	0.2
(1,377)	1:746:C:ILE:HD13	1:743:C:ASP:HA	12	0.2
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	11	0.2
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	11	0.2
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	11	0.2
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	11	0.2
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	11	0.2
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	11	0.2
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	4	0.2
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	5	0.2
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	8	0.2
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	8	0.2
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	8	0.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	14	0.2
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	14	0.2
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	14	0.2
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	11	0.2
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	11	0.2
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	11	0.2
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	11	0.2
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	11	0.2
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	11	0.2
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	12	0.2
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	12	0.2
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	12	0.2
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	4	0.2
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.2
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.2
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.2
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.2
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.2
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.2
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	5	0.2
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	5	0.2
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	5	0.2
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	13	0.2
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	13	0.2
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	13	0.2
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.2
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.2
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.2
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.2
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.2
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.2
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.2
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.2
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.2
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.2
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.2
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.2
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.2
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.2
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.2
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.2
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.2

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.2
(1,207)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	2	0.2
(1,207)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	2	0.2
(1,207)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	2	0.2
(1,207)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	2	0.2
(1,207)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	2	0.2
(1,207)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	2	0.2
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.2
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.2
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.2
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.2
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.2
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.2
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.2
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	7	0.2
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	7	0.2
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	7	0.2
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	7	0.2
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	7	0.2
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	7	0.2
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	6	0.2
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	6	0.2
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	6	0.2
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	6	0.2
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	6	0.2
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	6	0.2
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	11	0.19
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	11	0.19
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	11	0.19
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	11	0.19
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	11	0.19
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	11	0.19
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	3	0.19
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	3	0.19
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	11	0.19
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	11	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	13	0.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	12	0.19
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	2	0.19
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	15	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	3	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	3	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	13	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	13	0.19
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	9	0.19
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	9	0.19
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	9	0.19
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	14	0.19
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	14	0.19
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	14	0.19
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	4	0.19
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	4	0.19
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	4	0.19
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	6	0.19
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	6	0.19
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	6	0.19
(1,1095)	1:755:C:LEU:H	1:756:C:ILE:H	1	0.19
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	4	0.19
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	4	0.19
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	4	0.19
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	4	0.19
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	4	0.19
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	4	0.19
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	2	0.19
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	5	0.19
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	5	0.19
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	5	0.19
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	6	0.19
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	6	0.19
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	6	0.19
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	6	0.19
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	6	0.19

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	6	0.19
(1,995)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.19
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.19
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.19
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.19
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.19
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.19
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.19
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.19
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.19
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.19
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	1	0.19
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	1	0.19
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	1	0.19
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	1	0.19
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	1	0.19
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	1	0.19
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	1	0.19
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	1	0.19
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	1	0.19
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	9	0.19
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	9	0.19
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	9	0.19
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	9	0.19
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	9	0.19
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	9	0.19
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	14	0.19
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	14	0.19
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	14	0.19
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	14	0.19
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	14	0.19
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	14	0.19
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	6	0.19
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	6	0.19
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	6	0.19
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	6	0.19
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	6	0.19
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	6	0.19
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.19
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.19
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.19
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.19
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.19
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	8	0.19
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	8	0.19
(1,918)	1:692:C:LEU:HD11	1:689:C:VAL:HA	15	0.19
(1,918)	1:692:C:LEU:HD12	1:689:C:VAL:HA	15	0.19
(1,918)	1:692:C:LEU:HD13	1:689:C:VAL:HA	15	0.19
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	4	0.19
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	4	0.19
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	4	0.19
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	4	0.19
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	4	0.19
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	4	0.19
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.19
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.19
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.19
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.19
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.19
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.19
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.19
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.19
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.19
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	3	0.19
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	3	0.19
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	11	0.19
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	11	0.19
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	13	0.19
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	13	0.19
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	13	0.19
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	13	0.19
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	13	0.19
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	13	0.19
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	12	0.19
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	12	0.19
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	12	0.19
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	12	0.19
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	12	0.19
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	12	0.19
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	2	0.19
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	15	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	3	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	3	0.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	13	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	13	0.19
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	9	0.19
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	9	0.19
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	9	0.19
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	14	0.19
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	14	0.19
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	14	0.19
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	4	0.19
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	4	0.19
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	4	0.19
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	6	0.19
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	6	0.19
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	6	0.19
(1,754)	1:755:C:LEU:H	1:756:C:ILE:H	1	0.19
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	4	0.19
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	4	0.19
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	4	0.19
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	4	0.19
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	4	0.19
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	4	0.19
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	2	0.19
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	5	0.19
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	5	0.19
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	5	0.19
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	6	0.19
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	6	0.19
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	6	0.19
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	6	0.19
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	6	0.19
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	6	0.19
(1,654)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.19
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.19
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.19
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.19
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.19
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.19
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.19
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.19
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.19
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	1	0.19
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	1	0.19
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	1	0.19
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	1	0.19
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	1	0.19
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	1	0.19
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	1	0.19
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	1	0.19
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	1	0.19
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	9	0.19
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	9	0.19
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	9	0.19
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	9	0.19
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	9	0.19
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	9	0.19
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	14	0.19
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	14	0.19
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	14	0.19
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	14	0.19
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	14	0.19
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	14	0.19
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	6	0.19
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	6	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	6	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	6	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	6	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	6	0.19
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.19
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.19
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	8	0.19
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	8	0.19
(1,577)	1:692:C:LEU:HD11	1:689:C:VAL:HA	15	0.19
(1,577)	1:692:C:LEU:HD12	1:689:C:VAL:HA	15	0.19
(1,577)	1:692:C:LEU:HD13	1:689:C:VAL:HA	15	0.19
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	4	0.19
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	4	0.19
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	4	0.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	4	0.19
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	4	0.19
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	4	0.19
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.19
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.19
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.19
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.19
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.19
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.19
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.19
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.19
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.19
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	3	0.19
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	3	0.19
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	11	0.19
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	11	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	13	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	12	0.19
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	2	0.19
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	15	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	3	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	3	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	13	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	13	0.19
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	9	0.19
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	9	0.19
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	9	0.19
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	14	0.19
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	14	0.19
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	14	0.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	4	0.19
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	4	0.19
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	4	0.19
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	6	0.19
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	6	0.19
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	6	0.19
(1,413)	1:755:C:LEU:H	1:756:C:ILE:H	1	0.19
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	4	0.19
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	4	0.19
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	4	0.19
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	4	0.19
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	4	0.19
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	4	0.19
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	2	0.19
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	5	0.19
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	5	0.19
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	5	0.19
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	6	0.19
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	6	0.19
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	6	0.19
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	6	0.19
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	6	0.19
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	6	0.19
(1,313)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.19
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.19
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.19
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.19
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.19
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.19
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.19
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.19
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.19
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.19
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	1	0.19
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	1	0.19
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	1	0.19
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	1	0.19
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	1	0.19
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	1	0.19
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	1	0.19
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	1	0.19
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	1	0.19

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	9	0.19
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	9	0.19
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	9	0.19
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	9	0.19
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	9	0.19
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	9	0.19
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	14	0.19
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	14	0.19
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	14	0.19
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	14	0.19
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	14	0.19
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	14	0.19
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	6	0.19
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	6	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	6	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	6	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	6	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	6	0.19
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.19
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.19
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	8	0.19
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	8	0.19
(1,236)	1:692:C:LEU:HD11	1:689:C:VAL:HA	15	0.19
(1,236)	1:692:C:LEU:HD12	1:689:C:VAL:HA	15	0.19
(1,236)	1:692:C:LEU:HD13	1:689:C:VAL:HA	15	0.19
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	4	0.19
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	4	0.19
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	4	0.19
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	4	0.19
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	4	0.19
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	4	0.19
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.19
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.19
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.19
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.19
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.19
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.19
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.19
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.19
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	14	0.19
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	14	0.19
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	14	0.19
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	14	0.19
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	14	0.19
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	14	0.19
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	2	0.19
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	4	0.19
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	2	0.19
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	4	0.19
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	2	0.19
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	4	0.19
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	5	0.19
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	5	0.19
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	5	0.19
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	5	0.19
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	5	0.19
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	5	0.19
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.19
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.19
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.19
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.19
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.19
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.19
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	5	0.19
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	5	0.19
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	5	0.19
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	5	0.19
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	5	0.19
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	5	0.19
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.19
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.19
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.19
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.19
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.19
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.19
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	5	0.19

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	5	0.19
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	5	0.19
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	5	0.19
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	5	0.19
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	5	0.19
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.19
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.19
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.19
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.19
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.19
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.19
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.19
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.19
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.19
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.19
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.19
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.19
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.19
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.19
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.19
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.19
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.19
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.19
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.19
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.19
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.19
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.19
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.19
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.19
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	12	0.18
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	13	0.18
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	7	0.18
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.18
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	4	0.18
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	9	0.18
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	3	0.18
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	4	0.18
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	5	0.18
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	12	0.18
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	13	0.18
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	7	0.18
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.18

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	4	0.18
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	9	0.18
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	3	0.18
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	4	0.18
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	5	0.18
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	12	0.18
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	13	0.18
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	7	0.18
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.18
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	4	0.18
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	9	0.18
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	3	0.18
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	4	0.18
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	5	0.18
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	1	0.18
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	1	0.18
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	9	0.18
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	11	0.18
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	9	0.18
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	9	0.18
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	9	0.18
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	1	0.18
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	12	0.18
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	12	0.18
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	12	0.18
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	12	0.18
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	12	0.18
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	12	0.18
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	4	0.18
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	12	0.18
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	6	0.18
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	14	0.18
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	14	0.18
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	14	0.18
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	14	0.18
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	14	0.18
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	14	0.18
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB1	3	0.18
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB2	3	0.18
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB3	3	0.18
(1,1089)	1:754:C:ALA:HB1	1:758:C:ASP:H	3	0.18
(1,1089)	1:754:C:ALA:HB2	1:758:C:ASP:H	3	0.18

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1089)	1:754:C:ALA:HB3	1:758:C:ASP:H	3	0.18
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	1	0.18
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	1	0.18
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	1	0.18
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	1	0.18
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	1	0.18
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	1	0.18
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	5	0.18
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	5	0.18
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	5	0.18
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	5	0.18
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	5	0.18
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	5	0.18
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	2	0.18
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	2	0.18
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	2	0.18
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	2	0.18
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	2	0.18
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	2	0.18
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	9	0.18
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	9	0.18
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	9	0.18
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	12	0.18
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	12	0.18
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	12	0.18
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	12	0.18
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	12	0.18
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	12	0.18
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	12	0.18
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	12	0.18
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	12	0.18
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	13	0.18
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	13	0.18
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.18
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.18
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.18
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.18
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.18
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.18
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.18
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.18
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	9	0.18

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	9	0.18
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	9	0.18
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	13	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.18
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	10	0.18
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	10	0.18
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	10	0.18
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	10	0.18
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	10	0.18
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	10	0.18
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	10	0.18
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	10	0.18
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	10	0.18
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	10	0.18
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	10	0.18
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	10	0.18
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.18
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.18
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.18
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.18
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.18
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.18
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	13	0.18
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	13	0.18
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	13	0.18
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	13	0.18
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	13	0.18
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	13	0.18
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.18
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.18
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	1	0.18
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	1	0.18
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	9	0.18
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	11	0.18
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	9	0.18
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	9	0.18

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	9	0.18
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	1	0.18
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	12	0.18
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	12	0.18
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	12	0.18
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	12	0.18
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	12	0.18
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	12	0.18
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	4	0.18
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	12	0.18
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	6	0.18
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	14	0.18
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	14	0.18
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	14	0.18
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	14	0.18
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	14	0.18
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	14	0.18
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB1	3	0.18
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB2	3	0.18
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB3	3	0.18
(1,748)	1:754:C:ALA:HB1	1:758:C:ASP:H	3	0.18
(1,748)	1:754:C:ALA:HB2	1:758:C:ASP:H	3	0.18
(1,748)	1:754:C:ALA:HB3	1:758:C:ASP:H	3	0.18
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	1	0.18
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	1	0.18
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	1	0.18
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	1	0.18
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	1	0.18
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	1	0.18
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	5	0.18
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	5	0.18
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	5	0.18
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	5	0.18
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	5	0.18
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	5	0.18
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	2	0.18
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	2	0.18
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	2	0.18
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	2	0.18
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	2	0.18
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	2	0.18
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	9	0.18

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	9	0.18
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	9	0.18
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	12	0.18
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	12	0.18
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	12	0.18
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	12	0.18
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	12	0.18
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	12	0.18
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	12	0.18
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	12	0.18
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	12	0.18
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	13	0.18
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	13	0.18
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.18
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.18
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.18
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.18
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.18
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.18
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.18
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.18
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	9	0.18
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	9	0.18
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	9	0.18
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	13	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.18
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	10	0.18
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	10	0.18
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	10	0.18
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	10	0.18
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	10	0.18
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	10	0.18
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	10	0.18
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	10	0.18
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	10	0.18
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	10	0.18

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	10	0.18
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	10	0.18
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.18
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.18
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.18
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.18
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.18
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.18
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	13	0.18
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	13	0.18
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	13	0.18
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	13	0.18
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	13	0.18
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	13	0.18
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.18
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.18
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	1	0.18
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	1	0.18
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	9	0.18
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	11	0.18
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	9	0.18
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	9	0.18
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	9	0.18
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	1	0.18
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	12	0.18
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	12	0.18
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	12	0.18
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	12	0.18
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	12	0.18
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	12	0.18
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	4	0.18
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	12	0.18
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	6	0.18
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	14	0.18
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	14	0.18
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	14	0.18
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	14	0.18
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	14	0.18
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	14	0.18
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB1	3	0.18
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB2	3	0.18
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB3	3	0.18

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,407)	1:754:C:ALA:HB1	1:758:C:ASP:H	3	0.18
(1,407)	1:754:C:ALA:HB2	1:758:C:ASP:H	3	0.18
(1,407)	1:754:C:ALA:HB3	1:758:C:ASP:H	3	0.18
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	1	0.18
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	1	0.18
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	1	0.18
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	1	0.18
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	1	0.18
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	1	0.18
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	5	0.18
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	5	0.18
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	5	0.18
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	5	0.18
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	5	0.18
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	5	0.18
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	2	0.18
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	2	0.18
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	2	0.18
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	2	0.18
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	2	0.18
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	2	0.18
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	9	0.18
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	9	0.18
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	9	0.18
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	12	0.18
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	12	0.18
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	12	0.18
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	12	0.18
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	12	0.18
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	12	0.18
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	12	0.18
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	12	0.18
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	12	0.18
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	13	0.18
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	13	0.18
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.18
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.18
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.18
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.18
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.18
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.18
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.18

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.18
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	9	0.18
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	9	0.18
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	9	0.18
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	13	0.18
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.18
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.18
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.18
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.18
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.18
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.18
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.18
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	10	0.18
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	10	0.18
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	10	0.18
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	10	0.18
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	10	0.18
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	10	0.18
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	10	0.18
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	10	0.18
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	10	0.18
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	10	0.18
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	10	0.18
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	10	0.18
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.18
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.18
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.18
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.18
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.18
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.18
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	13	0.18
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	13	0.18
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	13	0.18
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	13	0.18
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	13	0.18
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	13	0.18
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.18
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.18
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	1	0.18
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	1	0.18
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	1	0.18
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	1	0.18

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	1	0.18
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	1	0.18
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	5	0.18
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	5	0.18
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	5	0.18
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	5	0.18
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	5	0.18
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	5	0.18
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	13	0.18
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	13	0.18
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	13	0.18
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	13	0.18
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	13	0.18
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	13	0.18
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	6	0.18
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	6	0.18
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	6	0.18
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	5	0.18
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	5	0.18
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	5	0.18
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	5	0.18
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	5	0.18
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	5	0.18
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	5	0.18
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	5	0.18
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	5	0.18
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	5	0.18
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	5	0.18
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	5	0.18
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	5	0.18
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	5	0.18
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	5	0.18
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	5	0.18
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	5	0.18
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	5	0.18
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	9	0.17
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	1	0.17
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	7	0.17
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	12	0.17
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	2	0.17
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	4	0.17
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	9	0.17

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	1	0.17
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	7	0.17
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	12	0.17
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	2	0.17
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	4	0.17
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	9	0.17
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	1	0.17
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	7	0.17
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	12	0.17
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	2	0.17
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	4	0.17
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	2	0.17
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	2	0.17
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	13	0.17
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	13	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	14	0.17
(1,1207)	1:797:C:TRP:H	1:796:C:TRP:HD1	8	0.17
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	8	0.17
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	8	0.17
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	8	0.17
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	13	0.17
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	5	0.17
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	1	0.17
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	1	0.17
(1,1164)	1:781:C:ILE:H	1:778:C:VAL:HA	10	0.17
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD2	8	0.17
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD3	8	0.17
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	2	0.17
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	2	0.17
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	2	0.17
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	2	0.17
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	2	0.17
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	2	0.17
(1,1095)	1:755:C:LEU:H	1:756:C:ILE:H	12	0.17
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	6	0.17
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	6	0.17
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	6	0.17

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	9	0.17
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	12	0.17
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	13	0.17
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	13	0.17
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	13	0.17
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	13	0.17
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	5	0.17
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	5	0.17
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	5	0.17
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	5	0.17
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	5	0.17
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	5	0.17
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.17
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.17
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	6	0.17
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	6	0.17
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	6	0.17
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	6	0.17
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	6	0.17
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	6	0.17
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	6	0.17
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	6	0.17
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	6	0.17
(1,955)	1:700:C:ALA:HB1	1:697:C:ILE:HA	1	0.17
(1,955)	1:700:C:ALA:HB2	1:697:C:ILE:HA	1	0.17
(1,955)	1:700:C:ALA:HB3	1:697:C:ILE:HA	1	0.17
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.17
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.17
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.17
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	10	0.17
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	10	0.17
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	10	0.17
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.17
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.17
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.17
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	12	0.17
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	12	0.17
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	12	0.17
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	12	0.17
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	12	0.17
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	12	0.17
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.17

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.17
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.17
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.17
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.17
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.17
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.17
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.17
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.17
(1,905)	1:686:C:ILE:HD11	1:683:C:ARG:HA	14	0.17
(1,905)	1:686:C:ILE:HD12	1:683:C:ARG:HA	14	0.17
(1,905)	1:686:C:ILE:HD13	1:683:C:ARG:HA	14	0.17
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.17
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.17
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.17
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.17
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.17
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.17
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.17
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.17
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.17
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.17
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.17
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.17
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.17
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	3	0.17
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	2	0.17
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	2	0.17
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	13	0.17
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	13	0.17
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	14	0.17
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	14	0.17
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	14	0.17

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	14	0.17
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	14	0.17
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	14	0.17
(1,866)	1:797:C:TRP:H	1:796:C:TRP:HD1	8	0.17
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	8	0.17
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	8	0.17
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	8	0.17
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	13	0.17
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	5	0.17
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	1	0.17
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	1	0.17
(1,823)	1:781:C:ILE:H	1:778:C:VAL:HA	10	0.17
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD2	8	0.17
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD3	8	0.17
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	2	0.17
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	2	0.17
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	2	0.17
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	2	0.17
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	2	0.17
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	2	0.17
(1,754)	1:755:C:LEU:H	1:756:C:ILE:H	12	0.17
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	6	0.17
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	6	0.17
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	6	0.17
(1,712)	1:746:C:ILE:H	1:743:C:ASP:HA	9	0.17
(1,712)	1:746:C:ILE:H	1:743:C:ASP:HA	12	0.17
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	13	0.17
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	13	0.17
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	13	0.17
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	13	0.17
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	5	0.17
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	5	0.17
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	5	0.17
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	5	0.17
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	5	0.17
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	5	0.17
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.17
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.17
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	6	0.17
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	6	0.17
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	6	0.17
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	6	0.17

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	6	0.17
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	6	0.17
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	6	0.17
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	6	0.17
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	6	0.17
(1,614)	1:700:C:ALA:HB1	1:697:C:ILE:HA	1	0.17
(1,614)	1:700:C:ALA:HB2	1:697:C:ILE:HA	1	0.17
(1,614)	1:700:C:ALA:HB3	1:697:C:ILE:HA	1	0.17
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.17
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.17
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.17
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	10	0.17
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	10	0.17
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	10	0.17
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.17
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.17
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.17
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	12	0.17
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	12	0.17
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	12	0.17
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	12	0.17
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	12	0.17
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	12	0.17
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.17
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.17
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.17
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.17
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.17
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.17
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.17
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.17
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.17
(1,564)	1:686:C:ILE:HD11	1:683:C:ARG:HA	14	0.17
(1,564)	1:686:C:ILE:HD12	1:683:C:ARG:HA	14	0.17
(1,564)	1:686:C:ILE:HD13	1:683:C:ARG:HA	14	0.17
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.17
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.17
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.17
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.17
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.17
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.17
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.17

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.17
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.17
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.17
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.17
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.17
(1,542)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.17
(1,542)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.17
(1,542)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.17
(1,542)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.17
(1,542)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.17
(1,542)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.17
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	3	0.17
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	3	0.17
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	3	0.17
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	3	0.17
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	3	0.17
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	3	0.17
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	2	0.17
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	2	0.17
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	13	0.17
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	13	0.17
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	14	0.17
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	14	0.17
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	14	0.17
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	14	0.17
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	14	0.17
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	14	0.17
(1,525)	1:797:C:TRP:H	1:796:C:TRP:HD1	8	0.17
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	8	0.17
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	8	0.17
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	8	0.17
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	13	0.17
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	5	0.17
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	1	0.17
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	1	0.17
(1,482)	1:781:C:ILE:H	1:778:C:VAL:HA	10	0.17
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD2	8	0.17
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD3	8	0.17
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	2	0.17
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	2	0.17
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	2	0.17
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	2	0.17

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	2	0.17
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	2	0.17
(1,413)	1:755:C:LEU:H	1:756:C:ILE:H	12	0.17
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	6	0.17
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	6	0.17
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	6	0.17
(1,371)	1:746:C:ILE:H	1:743:C:ASP:HA	9	0.17
(1,371)	1:746:C:ILE:H	1:743:C:ASP:HA	12	0.17
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	13	0.17
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	13	0.17
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	13	0.17
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	13	0.17
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	5	0.17
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	5	0.17
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	5	0.17
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	5	0.17
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	5	0.17
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	5	0.17
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.17
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.17
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	6	0.17
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	6	0.17
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	6	0.17
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	6	0.17
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	6	0.17
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	6	0.17
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	6	0.17
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	6	0.17
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	6	0.17
(1,273)	1:700:C:ALA:HB1	1:697:C:ILE:HA	1	0.17
(1,273)	1:700:C:ALA:HB2	1:697:C:ILE:HA	1	0.17
(1,273)	1:700:C:ALA:HB3	1:697:C:ILE:HA	1	0.17
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.17
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.17
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.17
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	10	0.17
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	10	0.17
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	10	0.17
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.17
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.17
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.17
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	12	0.17

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	12	0.17
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	12	0.17
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	12	0.17
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	12	0.17
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	12	0.17
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.17
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.17
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.17
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.17
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.17
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.17
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.17
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.17
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.17
(1,223)	1:686:C:ILE:HD11	1:683:C:ARG:HA	14	0.17
(1,223)	1:686:C:ILE:HD12	1:683:C:ARG:HA	14	0.17
(1,223)	1:686:C:ILE:HD13	1:683:C:ARG:HA	14	0.17
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.17
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.17
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.17
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.17
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.17
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.17
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.17
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.17
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.17
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.17
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.17
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.17
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.17
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	3	0.17
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	3	0.17
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	3	0.17
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	3	0.17
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	3	0.17
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	3	0.17
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	7	0.17

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	7	0.17
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	7	0.17
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	7	0.17
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	7	0.17
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	7	0.17
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	1	0.17
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	1	0.17
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	1	0.17
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	1	0.17
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	1	0.17
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	1	0.17
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	1	0.17
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	1	0.17
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	1	0.17
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	3	0.16
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	15	0.16
(2,183)	1:795:B:TYR:O	1:799:B:LEU:H	10	0.16
(2,181)	1:794:B:LYS:O	1:798:B:ASN:H	8	0.16
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.16
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	3	0.16
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	15	0.16
(2,97)	1:795:B:TYR:O	1:799:B:LEU:H	10	0.16
(2,95)	1:794:B:LYS:O	1:798:B:ASN:H	8	0.16
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.16
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	3	0.16
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	15	0.16
(2,11)	1:795:B:TYR:O	1:799:B:LEU:H	10	0.16
(2,9)	1:794:B:LYS:O	1:798:B:ASN:H	8	0.16
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG2	7	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG3	7	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG2	12	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG3	12	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	10	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	10	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	10	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	10	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	10	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	10	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	3	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	3	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	3	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	11	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	11	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	11	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	15	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	15	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	15	0.16
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	14	0.16
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	14	0.16
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	14	0.16
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	14	0.16
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	8	0.16
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	8	0.16
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.16
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	7	0.16
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	7	0.16
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	7	0.16
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	12	0.16
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	12	0.16
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	12	0.16
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	13	0.16
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	13	0.16
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	13	0.16
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	13	0.16
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	13	0.16
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	13	0.16
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD2	1	0.16
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD3	1	0.16
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	11	0.16
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	11	0.16
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	9	0.16
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	8	0.16
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	8	0.16
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	8	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	8	0.16
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	8	0.16
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	8	0.16
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	1	0.16
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	1	0.16
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	1	0.16
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	1	0.16
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	1	0.16
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	1	0.16
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	9	0.16
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	9	0.16
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	9	0.16
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	9	0.16
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	9	0.16
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	9	0.16
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	1	0.16
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	2	0.16
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	2	0.16
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	2	0.16
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.16
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.16
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.16
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.16
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.16
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.16
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.16
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.16
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.16
(1,962)	1:702:C:LEU:H	1:699:C:PHE:HA	7	0.16
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.16
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.16
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	4	0.16
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	4	0.16
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	4	0.16
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	4	0.16
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	4	0.16
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	4	0.16
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.16
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.16
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.16
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.16
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.16
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	13	0.16
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	13	0.16
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	13	0.16
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	13	0.16
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	13	0.16
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	13	0.16
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.16
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.16
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.16
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	7	0.16
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	7	0.16
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	7	0.16
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	15	0.16
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	15	0.16
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	15	0.16
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.16
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.16
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.16
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.16
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.16
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.16
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.16
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.16
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.16
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	13	0.16
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	13	0.16
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	13	0.16
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	13	0.16
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	13	0.16
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	13	0.16
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG2	7	0.16
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG3	7	0.16
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG2	12	0.16
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG3	12	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	1	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	1	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	1	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	1	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	1	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	1	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	10	0.16

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	10	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	10	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	10	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	10	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	10	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	3	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	3	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	3	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	11	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	11	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	11	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	15	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	15	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	15	0.16
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	14	0.16
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	14	0.16
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	14	0.16
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	14	0.16
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	8	0.16
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	8	0.16
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.16
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	7	0.16
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	7	0.16
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	7	0.16
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	12	0.16
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	12	0.16
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	12	0.16
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	13	0.16
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	13	0.16
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	13	0.16
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	13	0.16
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	13	0.16
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	13	0.16
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD2	1	0.16
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD3	1	0.16
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	11	0.16
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	11	0.16
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	9	0.16
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	8	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	8	0.16
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	8	0.16
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	8	0.16
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	8	0.16
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	8	0.16
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	1	0.16
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	1	0.16
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	1	0.16
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	1	0.16
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	1	0.16
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	1	0.16
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	9	0.16
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	9	0.16
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	9	0.16
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	9	0.16
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	9	0.16
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	9	0.16
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	1	0.16
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	2	0.16
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	2	0.16
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	2	0.16
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.16
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.16
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.16
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.16
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.16
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.16
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.16
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.16
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.16
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	7	0.16
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.16
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.16
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	4	0.16
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	4	0.16
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	4	0.16
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	4	0.16
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	4	0.16
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	4	0.16
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.16
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.16
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.16
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.16
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.16
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	13	0.16
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	13	0.16
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	13	0.16
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	13	0.16
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	13	0.16
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	13	0.16
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.16
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.16
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.16
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	7	0.16
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	7	0.16
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	7	0.16
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	15	0.16
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	15	0.16
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	15	0.16
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.16
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.16
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.16
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.16
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.16
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.16
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.16
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.16
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.16
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	13	0.16
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	13	0.16
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	13	0.16
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	13	0.16
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	13	0.16
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	13	0.16
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG2	7	0.16
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG3	7	0.16
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG2	12	0.16
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG3	12	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	1	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	1	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	1	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	1	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	1	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	1	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	10	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	10	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	10	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	10	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	10	0.16
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	10	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	3	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	3	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	3	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	11	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	11	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	11	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	15	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	15	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	15	0.16
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	14	0.16
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	14	0.16
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	14	0.16
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	14	0.16
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	8	0.16
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	8	0.16
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.16
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	7	0.16
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	7	0.16
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	7	0.16
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	12	0.16
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	12	0.16
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	12	0.16
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	13	0.16
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	13	0.16
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	13	0.16
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	13	0.16
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	13	0.16
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	13	0.16
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD2	1	0.16
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD3	1	0.16
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	11	0.16
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	11	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	9	0.16
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	8	0.16
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	8	0.16
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	8	0.16
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	8	0.16
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	8	0.16
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	8	0.16
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	1	0.16
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	1	0.16
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	1	0.16
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	1	0.16
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	1	0.16
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	1	0.16
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	9	0.16
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	9	0.16
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	9	0.16
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	9	0.16
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	9	0.16
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	9	0.16
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	1	0.16
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	2	0.16
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	2	0.16
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	2	0.16
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.16
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.16
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.16
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.16
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.16
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.16
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.16
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.16
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.16
(1,280)	1:702:C:LEU:H	1:699:C:PHE:HA	7	0.16
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.16
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	4	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	4	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	4	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	4	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	4	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	4	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	13	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	13	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	13	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	13	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	13	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	13	0.16
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.16
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.16
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.16
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	7	0.16
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	7	0.16
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	7	0.16
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	15	0.16
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	15	0.16
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	15	0.16
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.16
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.16
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.16
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.16
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.16
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.16
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.16
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.16
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.16
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	13	0.16
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	11	0.16
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	11	0.16
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	11	0.16
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	11	0.16
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	11	0.16
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	11	0.16
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	5	0.16

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	5	0.16
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.16
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.16
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	5	0.16
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	5	0.16
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.16
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.16
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	5	0.16
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	5	0.16
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.16
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.16
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	9	0.16
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	15	0.16
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	9	0.16
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	15	0.16
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	9	0.16
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	15	0.16
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	10	0.16
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	10	0.16
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	12	0.16
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	12	0.16
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	10	0.16
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	10	0.16
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	12	0.16
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	12	0.16
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	10	0.16
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	10	0.16
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	12	0.16
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	12	0.16
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.16
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.16
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.16
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.16
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.16
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.16
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.16
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.16
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.16
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.16
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.16
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.16
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.16

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.16
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.16
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.16
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.16
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.16
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.16
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.16
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.16
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.16
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.16
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.16
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.16
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.16
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	11	0.15
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	5	0.15
(2,183)	1:795:B:TYR:O	1:799:B:LEU:H	13	0.15
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	2	0.15
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	4	0.15
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.15
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	11	0.15
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	5	0.15
(2,97)	1:795:B:TYR:O	1:799:B:LEU:H	13	0.15
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	2	0.15
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	4	0.15
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.15
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	11	0.15
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	5	0.15
(2,11)	1:795:B:TYR:O	1:799:B:LEU:H	13	0.15
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	2	0.15
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	4	0.15
(1,1219)	1:835:C:GLY:H	1:834:C:GLN:HE21	2	0.15
(1,1219)	1:835:C:GLY:H	1:834:C:GLN:HE22	2	0.15
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	5	0.15
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	5	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	9	0.15
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	3	0.15
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	3	0.15
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	3	0.15
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	3	0.15
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	3	0.15
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	3	0.15
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	13	0.15
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	9	0.15
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	9	0.15
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	9	0.15
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	9	0.15
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	9	0.15
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	9	0.15
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	9	0.15
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	9	0.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	9	0.15
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	4	0.15
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	2	0.15
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	12	0.15
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	12	0.15
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	1	0.15
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.15
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	15	0.15
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	15	0.15
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	15	0.15
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	15	0.15
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	15	0.15
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	15	0.15
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.15
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.15
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.15
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.15
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.15
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.15
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.15
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.15
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.15
(1,968)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	2	0.15
(1,968)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	2	0.15
(1,968)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	2	0.15
(1,968)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	2	0.15
(1,968)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	2	0.15
(1,968)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	2	0.15
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	2	0.15
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	2	0.15
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	2	0.15
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	2	0.15
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	2	0.15
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	2	0.15
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	15	0.15
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	15	0.15
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	15	0.15
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.15
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.15
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.15
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.15
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.15
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	3	0.15
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	3	0.15
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	3	0.15
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	3	0.15
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	3	0.15
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	3	0.15
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	1	0.15
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	1	0.15
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	1	0.15
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	3	0.15
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	3	0.15
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	3	0.15
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.15
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.15
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.15
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.15
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.15
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.15
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.15
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.15
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.15
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.15
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.15
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.15
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.15
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.15
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.15
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.15
(1,878)	1:835:C:GLY:H	1:834:C:GLN:HE21	2	0.15
(1,878)	1:835:C:GLY:H	1:834:C:GLN:HE22	2	0.15
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	5	0.15
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	5	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	9	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	9	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	9	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	9	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	9	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	9	0.15
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	3	0.15
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	3	0.15
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	3	0.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	3	0.15
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	3	0.15
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	3	0.15
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	13	0.15
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	9	0.15
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	9	0.15
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	9	0.15
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	9	0.15
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	9	0.15
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	9	0.15
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	9	0.15
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	9	0.15
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	9	0.15
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	4	0.15
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	2	0.15
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	12	0.15
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	12	0.15
(1,712)	1:746:C:ILE:H	1:743:C:ASP:HA	1	0.15
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.15
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	15	0.15
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	15	0.15
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	15	0.15
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	15	0.15
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	15	0.15
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	15	0.15
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.15
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.15
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.15
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.15
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.15
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.15
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.15
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.15
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.15
(1,627)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	2	0.15
(1,627)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	2	0.15
(1,627)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	2	0.15
(1,627)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	2	0.15
(1,627)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	2	0.15
(1,627)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	2	0.15
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	2	0.15
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	2	0.15

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	2	0.15
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	2	0.15
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	2	0.15
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	2	0.15
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	15	0.15
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	15	0.15
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	15	0.15
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.15
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.15
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.15
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.15
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.15
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.15
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	3	0.15
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	3	0.15
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	3	0.15
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	3	0.15
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	3	0.15
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	3	0.15
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	1	0.15
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	1	0.15
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	1	0.15
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	3	0.15
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	3	0.15
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	3	0.15
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.15
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.15
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.15
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.15
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.15
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.15
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.15
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.15
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.15
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.15
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.15
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.15
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.15
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.15
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.15
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.15
(1,537)	1:835:C:GLY:H	1:834:C:GLN:HE21	2	0.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,537)	1:835:C:GLY:H	1:834:C:GLN:HE22	2	0.15
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	5	0.15
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	5	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	9	0.15
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	3	0.15
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	3	0.15
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	3	0.15
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	3	0.15
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	3	0.15
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	3	0.15
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	13	0.15
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	9	0.15
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	9	0.15
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	9	0.15
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	9	0.15
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	9	0.15
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	9	0.15
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	9	0.15
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	9	0.15
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	9	0.15
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	4	0.15
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	2	0.15
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	12	0.15
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	12	0.15
(1,371)	1:746:C:ILE:H	1:743:C:ASP:HA	1	0.15
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.15
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	15	0.15
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	15	0.15
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	15	0.15
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	15	0.15
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	15	0.15
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	15	0.15
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.15
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.15
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.15
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.15
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.15
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.15
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.15
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.15
(1,286)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	2	0.15
(1,286)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	2	0.15
(1,286)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	2	0.15
(1,286)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	2	0.15
(1,286)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	2	0.15
(1,286)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	2	0.15
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	2	0.15
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	2	0.15
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	2	0.15
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	2	0.15
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	2	0.15
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	2	0.15
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	15	0.15
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	15	0.15
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	15	0.15
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.15
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.15
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.15
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.15
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.15
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.15
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	3	0.15
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	3	0.15
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	3	0.15
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	3	0.15
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	3	0.15
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	3	0.15
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	1	0.15
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	1	0.15
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	1	0.15
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	3	0.15
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	3	0.15
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	3	0.15
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.15
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.15
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.15
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.15
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.15

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.15
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.15
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.15
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.15
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.15
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.15
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.15
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.15
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.15
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.15
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.15
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	1	0.15
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	1	0.15
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	1	0.15
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	1	0.15
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	1	0.15
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	1	0.15
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	1	0.15
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	1	0.15
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	1	0.15
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.15
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.15
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.15
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.15
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.15
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.15
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.15
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.15
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.15
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.15
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.15
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.15
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.15
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.15
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.15
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.15
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.15
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.15
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	7	0.14
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	1	0.14
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	13	0.14
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	6	0.14

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	6	0.14
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	7	0.14
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	1	0.14
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	13	0.14
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	6	0.14
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	6	0.14
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	7	0.14
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	1	0.14
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	13	0.14
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	6	0.14
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	6	0.14
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	8	0.14
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	8	0.14
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	14	0.14
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	14	0.14
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD11	1	0.14
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD12	1	0.14
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD13	1	0.14
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	11	0.14
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	11	0.14
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	10	0.14
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	10	0.14
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	10	0.14
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	10	0.14
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	10	0.14
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	10	0.14
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	11	0.14
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	11	0.14
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	11	0.14
(1,1135)	1:776:C:LEU:H	1:773:C:ASP:HA	7	0.14
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	4	0.14
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	4	0.14
(1,1091)	1:755:C:LEU:H	1:752:C:SER:HA	10	0.14
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	7	0.14
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	7	0.14
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	7	0.14
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	7	0.14
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	7	0.14
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	7	0.14
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	4	0.14
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	4	0.14
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	4	0.14

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	4	0.14
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	4	0.14
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	4	0.14
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	1	0.14
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	1	0.14
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	1	0.14
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	3	0.14
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	3	0.14
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	3	0.14
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	7	0.14
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	7	0.14
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	7	0.14
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	15	0.14
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	15	0.14
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	15	0.14
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	15	0.14
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	15	0.14
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	15	0.14
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.14
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.14
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.14
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.14
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.14
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.14
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	7	0.14
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.14
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	5	0.14
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	5	0.14
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	5	0.14
(1,933)	1:695:C:LEU:HD21	1:698:C:VAL:HB	1	0.14
(1,933)	1:695:C:LEU:HD22	1:698:C:VAL:HB	1	0.14
(1,933)	1:695:C:LEU:HD23	1:698:C:VAL:HB	1	0.14
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.14
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.14
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.14
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.14
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.14
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.14
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.14
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.14
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.14
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.14

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.14
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.14
(1,918)	1:692:C:LEU:HD11	1:689:C:VAL:HA	12	0.14
(1,918)	1:692:C:LEU:HD12	1:689:C:VAL:HA	12	0.14
(1,918)	1:692:C:LEU:HD13	1:689:C:VAL:HA	12	0.14
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	12	0.14
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	12	0.14
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	12	0.14
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	12	0.14
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	12	0.14
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	12	0.14
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.14
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.14
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.14
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.14
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.14
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.14
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.14
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	9	0.14
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.14
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.14
(1,881)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	2	0.14
(1,881)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	2	0.14
(1,881)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	2	0.14
(1,881)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	2	0.14
(1,881)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	2	0.14
(1,881)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	2	0.14
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	8	0.14
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	8	0.14
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	14	0.14
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	14	0.14
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD11	1	0.14
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD12	1	0.14
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD13	1	0.14
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	11	0.14
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	11	0.14
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	10	0.14
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	10	0.14
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	10	0.14
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	10	0.14
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	10	0.14
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	10	0.14

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	11	0.14
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	11	0.14
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	11	0.14
(1,794)	1:776:C:LEU:H	1:773:C:ASP:HA	7	0.14
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	4	0.14
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	4	0.14
(1,750)	1:755:C:LEU:H	1:752:C:SER:HA	10	0.14
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	7	0.14
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	7	0.14
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	7	0.14
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	7	0.14
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	7	0.14
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	7	0.14
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	4	0.14
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	4	0.14
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	4	0.14
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	4	0.14
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	4	0.14
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	4	0.14
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	1	0.14
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	1	0.14
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	1	0.14
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	3	0.14
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	3	0.14
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	3	0.14
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	7	0.14
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	7	0.14
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	7	0.14
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	15	0.14
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	15	0.14
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	15	0.14
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	15	0.14
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	15	0.14
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	15	0.14
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.14
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.14
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.14
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.14
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.14
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.14
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	7	0.14
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.14

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	5	0.14
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	5	0.14
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	5	0.14
(1,592)	1:695:C:LEU:HD21	1:698:C:VAL:HB	1	0.14
(1,592)	1:695:C:LEU:HD22	1:698:C:VAL:HB	1	0.14
(1,592)	1:695:C:LEU:HD23	1:698:C:VAL:HB	1	0.14
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.14
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.14
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.14
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.14
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.14
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.14
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.14
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.14
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.14
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.14
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.14
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.14
(1,577)	1:692:C:LEU:HD11	1:689:C:VAL:HA	12	0.14
(1,577)	1:692:C:LEU:HD12	1:689:C:VAL:HA	12	0.14
(1,577)	1:692:C:LEU:HD13	1:689:C:VAL:HA	12	0.14
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	12	0.14
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	12	0.14
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	12	0.14
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	12	0.14
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	12	0.14
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	12	0.14
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.14
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.14
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.14
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.14
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.14
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.14
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.14
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	9	0.14
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.14
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.14
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	2	0.14
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	2	0.14
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	2	0.14
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	2	0.14
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	2	0.14

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	2	0.14
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	8	0.14
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	8	0.14
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	14	0.14
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	14	0.14
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD11	1	0.14
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD12	1	0.14
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD13	1	0.14
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	11	0.14
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	11	0.14
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	10	0.14
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	10	0.14
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	10	0.14
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	10	0.14
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	10	0.14
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	10	0.14
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	11	0.14
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	11	0.14
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	11	0.14
(1,453)	1:776:C:LEU:H	1:773:C:ASP:HA	7	0.14
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	4	0.14
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	4	0.14
(1,409)	1:755:C:LEU:H	1:752:C:SER:HA	10	0.14
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	7	0.14
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	7	0.14
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	7	0.14
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	7	0.14
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	7	0.14
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	7	0.14
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	4	0.14
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	4	0.14
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	4	0.14
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	4	0.14
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	4	0.14
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	4	0.14
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	1	0.14
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	1	0.14
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	1	0.14
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	3	0.14
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	3	0.14
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	3	0.14
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	7	0.14

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	7	0.14
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	7	0.14
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	15	0.14
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	15	0.14
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	15	0.14
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	15	0.14
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	15	0.14
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	15	0.14
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.14
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.14
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.14
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.14
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.14
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.14
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	7	0.14
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.14
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	5	0.14
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	5	0.14
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	5	0.14
(1,251)	1:695:C:LEU:HD21	1:698:C:VAL:HB	1	0.14
(1,251)	1:695:C:LEU:HD22	1:698:C:VAL:HB	1	0.14
(1,251)	1:695:C:LEU:HD23	1:698:C:VAL:HB	1	0.14
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.14
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.14
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.14
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.14
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.14
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.14
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.14
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.14
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.14
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.14
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.14
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.14
(1,236)	1:692:C:LEU:HD11	1:689:C:VAL:HA	12	0.14
(1,236)	1:692:C:LEU:HD12	1:689:C:VAL:HA	12	0.14
(1,236)	1:692:C:LEU:HD13	1:689:C:VAL:HA	12	0.14
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	12	0.14
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	12	0.14
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	12	0.14
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	12	0.14
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	12	0.14

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	12	0.14
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.14
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.14
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.14
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.14
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.14
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.14
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.14
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	9	0.14
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.14
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.14
(1,199)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	2	0.14
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	13	0.14
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	13	0.14
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	13	0.14
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	13	0.14
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	13	0.14
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	13	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	4	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	4	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	6	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	6	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	4	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	4	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	6	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	6	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	4	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	4	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	6	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	6	0.14
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	13	0.14
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	13	0.14
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	13	0.14
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	13	0.14
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	13	0.14
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	13	0.14
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.14

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.14
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.14
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.14
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.14
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.14
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.14
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.14
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.14
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.14
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.14
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.14
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.14
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.14
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.14
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.14
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.14
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.14
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	4	0.13
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	4	0.13
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	6	0.13
(2,221)	1:814:B:LEU:O	1:818:B:THR:H	3	0.13
(2,198)	1:802:B:TYR:O	1:806:B:GLU:N	8	0.13
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	11	0.13
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	15	0.13
(2,196)	1:801:B:GLN:O	1:805:B:GLN:N	6	0.13
(2,193)	1:800:B:LEU:O	1:804:B:SER:H	12	0.13
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	2	0.13
(2,189)	1:798:B:ASN:O	1:802:B:TYR:H	10	0.13
(2,182)	1:794:B:LYS:O	1:798:B:ASN:N	8	0.13
(2,181)	1:794:B:LYS:O	1:798:B:ASN:H	15	0.13
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	4	0.13
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	4	0.13
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	6	0.13
(2,135)	1:814:B:LEU:O	1:818:B:THR:H	3	0.13
(2,112)	1:802:B:TYR:O	1:806:B:GLU:N	8	0.13
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	11	0.13
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	15	0.13
(2,110)	1:801:B:GLN:O	1:805:B:GLN:N	6	0.13
(2,107)	1:800:B:LEU:O	1:804:B:SER:H	12	0.13
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	2	0.13
(2,103)	1:798:B:ASN:O	1:802:B:TYR:H	10	0.13
(2,96)	1:794:B:LYS:O	1:798:B:ASN:N	8	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,95)	1:794:B:LYS:O	1:798:B:ASN:H	15	0.13
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	4	0.13
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	4	0.13
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	6	0.13
(2,49)	1:814:B:LEU:O	1:818:B:THR:H	3	0.13
(2,26)	1:802:B:TYR:O	1:806:B:GLU:N	8	0.13
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	11	0.13
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	15	0.13
(2,24)	1:801:B:GLN:O	1:805:B:GLN:N	6	0.13
(2,21)	1:800:B:LEU:O	1:804:B:SER:H	12	0.13
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	2	0.13
(2,17)	1:798:B:ASN:O	1:802:B:TYR:H	10	0.13
(2,10)	1:794:B:LYS:O	1:798:B:ASN:N	8	0.13
(2,9)	1:794:B:LYS:O	1:798:B:ASN:H	15	0.13
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	5	0.13
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	5	0.13
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	7	0.13
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	7	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	11	0.13
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	4	0.13
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	4	0.13
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	4	0.13
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	1	0.13
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	6	0.13
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	12	0.13
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	11	0.13
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	11	0.13
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	11	0.13
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	6	0.13
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	6	0.13
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	6	0.13
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	6	0.13
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	6	0.13
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	6	0.13
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	3	0.13
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	15	0.13
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	15	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	6	0.13
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.13
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	5	0.13
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	5	0.13
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	5	0.13
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD2	6	0.13
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD3	6	0.13
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	10	0.13
(1,1101)	1:759:C:ASP:H	1:759:C:ASP:HB3	9	0.13
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.13
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.13
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.13
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.13
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.13
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	7	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	7	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	7	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	7	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	7	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	7	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	10	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	10	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	10	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	10	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	10	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	10	0.13
(1,1060)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	6	0.13
(1,1060)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	6	0.13
(1,1060)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	6	0.13
(1,1060)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	6	0.13
(1,1060)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	6	0.13
(1,1060)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	6	0.13
(1,1059)	1:746:C:ILE:HD11	1:743:C:ASP:HA	13	0.13
(1,1059)	1:746:C:ILE:HD12	1:743:C:ASP:HA	13	0.13
(1,1059)	1:746:C:ILE:HD13	1:743:C:ASP:HA	13	0.13
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	7	0.13
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	7	0.13
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	7	0.13
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	7	0.13
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	7	0.13
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	7	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	7	0.13
(1,1011)	1:708:C:VAL:H	1:705:C:VAL:HA	12	0.13
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	1	0.13
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	1	0.13
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	1	0.13
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	1	0.13
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	1	0.13
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	1	0.13
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.13
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.13
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.13
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.13
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.13
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.13
(1,962)	1:702:C:LEU:H	1:699:C:PHE:HA	1	0.13
(1,962)	1:702:C:LEU:H	1:699:C:PHE:HA	10	0.13
(1,955)	1:700:C:ALA:HB1	1:697:C:ILE:HA	7	0.13
(1,955)	1:700:C:ALA:HB2	1:697:C:ILE:HA	7	0.13
(1,955)	1:700:C:ALA:HB3	1:697:C:ILE:HA	7	0.13
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	11	0.13
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	11	0.13
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	11	0.13
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	11	0.13
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	11	0.13
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	11	0.13
(1,929)	1:695:C:LEU:H	1:691:C:SER:HA	7	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	6	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	6	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	6	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	6	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	6	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	6	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	7	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	7	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	7	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	7	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	7	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	7	0.13
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.13
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.13
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.13
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	8	0.13
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	5	0.13
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	5	0.13
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	7	0.13
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	7	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	11	0.13
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	4	0.13
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	4	0.13
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	4	0.13
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	1	0.13
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	6	0.13
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	12	0.13
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	11	0.13
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	11	0.13
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	11	0.13
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	6	0.13
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	6	0.13
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	6	0.13
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	6	0.13
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	6	0.13
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	6	0.13
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	3	0.13
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	15	0.13
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	15	0.13
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	6	0.13
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	5	0.13
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	5	0.13
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	5	0.13
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD2	6	0.13
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD3	6	0.13
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	10	0.13
(1,760)	1:759:C:ASP:H	1:759:C:ASP:HB3	9	0.13
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.13
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.13
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.13
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.13
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.13
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	7	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	7	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	7	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	7	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	7	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	7	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	10	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	10	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	10	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	10	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	10	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	10	0.13
(1,719)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	6	0.13
(1,719)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	6	0.13
(1,719)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	6	0.13
(1,719)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	6	0.13
(1,719)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	6	0.13
(1,719)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	6	0.13
(1,718)	1:746:C:ILE:HD11	1:743:C:ASP:HA	13	0.13
(1,718)	1:746:C:ILE:HD12	1:743:C:ASP:HA	13	0.13
(1,718)	1:746:C:ILE:HD13	1:743:C:ASP:HA	13	0.13
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	7	0.13
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	7	0.13
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	7	0.13
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	7	0.13
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	7	0.13
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	7	0.13
(1,712)	1:746:C:ILE:H	1:743:C:ASP:HA	7	0.13
(1,670)	1:708:C:VAL:H	1:705:C:VAL:HA	12	0.13

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	1	0.13
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	1	0.13
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	1	0.13
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	1	0.13
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	1	0.13
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	1	0.13
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.13
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.13
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.13
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.13
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.13
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.13
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	1	0.13
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	10	0.13
(1,614)	1:700:C:ALA:HB1	1:697:C:ILE:HA	7	0.13
(1,614)	1:700:C:ALA:HB2	1:697:C:ILE:HA	7	0.13
(1,614)	1:700:C:ALA:HB3	1:697:C:ILE:HA	7	0.13
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	11	0.13
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	11	0.13
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	11	0.13
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	11	0.13
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	11	0.13
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	11	0.13
(1,588)	1:695:C:LEU:H	1:691:C:SER:HA	7	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	6	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	6	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	6	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	6	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	6	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	6	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	7	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	7	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	7	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	7	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	7	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	7	0.13
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.13
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.13
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.13
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.13
(1,542)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	2	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	8	0.13
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	5	0.13
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	5	0.13
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	7	0.13
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	7	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	11	0.13
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	4	0.13
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	4	0.13
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	4	0.13
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	1	0.13
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	6	0.13
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	12	0.13
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	11	0.13
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	11	0.13
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	11	0.13
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	6	0.13
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	6	0.13
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	6	0.13
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	6	0.13
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	6	0.13
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	6	0.13
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	3	0.13
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	15	0.13
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	15	0.13
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	6	0.13
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.13
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	5	0.13
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	5	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	5	0.13
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD2	6	0.13
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD3	6	0.13
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	10	0.13
(1,419)	1:759:C:ASP:H	1:759:C:ASP:HB3	9	0.13
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.13
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.13
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.13
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.13
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.13
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	7	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	7	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	7	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	7	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	7	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	7	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	10	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	10	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	10	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	10	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	10	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	10	0.13
(1,378)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	6	0.13
(1,378)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	6	0.13
(1,378)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	6	0.13
(1,378)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	6	0.13
(1,378)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	6	0.13
(1,378)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	6	0.13
(1,377)	1:746:C:ILE:HD11	1:743:C:ASP:HA	13	0.13
(1,377)	1:746:C:ILE:HD12	1:743:C:ASP:HA	13	0.13
(1,377)	1:746:C:ILE:HD13	1:743:C:ASP:HA	13	0.13
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	7	0.13
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	7	0.13
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	7	0.13
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	7	0.13
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	7	0.13
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	7	0.13
(1,371)	1:746:C:ILE:H	1:743:C:ASP:HA	7	0.13
(1,329)	1:708:C:VAL:H	1:705:C:VAL:HA	12	0.13
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	1	0.13
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	1	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	1	0.13
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	1	0.13
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	1	0.13
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	1	0.13
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.13
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.13
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.13
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.13
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.13
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.13
(1,280)	1:702:C:LEU:H	1:699:C:PHE:HA	1	0.13
(1,280)	1:702:C:LEU:H	1:699:C:PHE:HA	10	0.13
(1,273)	1:700:C:ALA:HB1	1:697:C:ILE:HA	7	0.13
(1,273)	1:700:C:ALA:HB2	1:697:C:ILE:HA	7	0.13
(1,273)	1:700:C:ALA:HB3	1:697:C:ILE:HA	7	0.13
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	11	0.13
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	11	0.13
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	11	0.13
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	11	0.13
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	11	0.13
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	11	0.13
(1,247)	1:695:C:LEU:H	1:691:C:SER:HA	7	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	6	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	6	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	6	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	6	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	6	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	6	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	7	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	7	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	7	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	7	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	7	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	7	0.13
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.13
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.13
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.13
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.13
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	2	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	8	0.13
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	4	0.13
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	4	0.13
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	4	0.13
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	4	0.13
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	4	0.13
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	4	0.13
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	15	0.13
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	15	0.13
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	15	0.13
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	15	0.13
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	15	0.13
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	15	0.13
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	12	0.13
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	12	0.13
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	12	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD11	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD12	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD13	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD21	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD22	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD23	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD11	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD12	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD13	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD21	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD22	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD23	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD11	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD12	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD13	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD21	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD22	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD23	7	0.13
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.13

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.13
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.13
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.13
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.13
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.13
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.13
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.13
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.13
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.13
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.13
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.13
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.13
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.13
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.13
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.13
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.13
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.13
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	0.13
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	0.13
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	0.13
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	0.13
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	0.13
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	0.13
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	0.13
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	0.13
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	0.13
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	0.13
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	0.13
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	0.13
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	0.13
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	0.13
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	0.13
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	0.13
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	0.13
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	0.13
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	1	0.12
(2,234)	1:830:B:ILE:O	1:834:B:GLN:N	7	0.12
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	10	0.12
(2,228)	1:827:B:ASP:O	1:831:B:GLU:N	4	0.12
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	3	0.12
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	12	0.12
(2,200)	1:803:B:TRP:O	1:807:B:LEU:N	13	0.12

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,196)	1:801:B:GLN:O	1:805:B:GLN:N	5	0.12
(2,184)	1:795:B:TYR:O	1:799:B:LEU:N	10	0.12
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	1	0.12
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	1	0.12
(2,148)	1:830:B:ILE:O	1:834:B:GLN:N	7	0.12
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	10	0.12
(2,142)	1:827:B:ASP:O	1:831:B:GLU:N	4	0.12
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	3	0.12
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	12	0.12
(2,114)	1:803:B:TRP:O	1:807:B:LEU:N	13	0.12
(2,110)	1:801:B:GLN:O	1:805:B:GLN:N	5	0.12
(2,98)	1:795:B:TYR:O	1:799:B:LEU:N	10	0.12
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	1	0.12
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	1	0.12
(2,62)	1:830:B:ILE:O	1:834:B:GLN:N	7	0.12
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	10	0.12
(2,56)	1:827:B:ASP:O	1:831:B:GLU:N	4	0.12
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	3	0.12
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	12	0.12
(2,28)	1:803:B:TRP:O	1:807:B:LEU:N	13	0.12
(2,24)	1:801:B:GLN:O	1:805:B:GLN:N	5	0.12
(2,12)	1:795:B:TYR:O	1:799:B:LEU:N	10	0.12
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	1	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	15	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	4	0.12
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	3	0.12
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	8	0.12
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	8	0.12
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	8	0.12
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	8	0.12
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	8	0.12
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	8	0.12

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	1	0.12
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	7	0.12
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	7	0.12
(1,1165)	1:781:C:ILE:H	1:780:C:ARG:HA	9	0.12
(1,1165)	1:781:C:ILE:H	1:780:C:ARG:HA	12	0.12
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	12	0.12
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	12	0.12
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	12	0.12
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	12	0.12
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	12	0.12
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	12	0.12
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.12
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.12
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.12
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.12
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.12
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.12
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	6	0.12
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	15	0.12
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	11	0.12
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	11	0.12
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	11	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	3	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	3	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	8	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	8	0.12
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	14	0.12
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	14	0.12
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	14	0.12
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	14	0.12
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	10	0.12
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	10	0.12
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	10	0.12
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	10	0.12
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	10	0.12
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	10	0.12
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	1	0.12
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	1	0.12
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	1	0.12
(1,995)	1:706:C:ASN:H	1:703:C:SER:HA	1	0.12
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.12
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	10	0.12

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	12	0.12
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	12	0.12
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	12	0.12
(1,956)	1:700:C:ALA:HB1	1:703:C:SER:HB2	4	0.12
(1,956)	1:700:C:ALA:HB1	1:703:C:SER:HB3	4	0.12
(1,956)	1:700:C:ALA:HB2	1:703:C:SER:HB2	4	0.12
(1,956)	1:700:C:ALA:HB2	1:703:C:SER:HB3	4	0.12
(1,956)	1:700:C:ALA:HB3	1:703:C:SER:HB2	4	0.12
(1,956)	1:700:C:ALA:HB3	1:703:C:SER:HB3	4	0.12
(1,945)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	15	0.12
(1,945)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	15	0.12
(1,945)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	15	0.12
(1,945)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	15	0.12
(1,945)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	15	0.12
(1,945)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	15	0.12
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	9	0.12
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	9	0.12
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	9	0.12
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	4	0.12
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	4	0.12
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	4	0.12
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	4	0.12
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	4	0.12
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	4	0.12
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.12
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.12
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.12
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.12
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.12
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.12
(1,918)	1:692:C:LEU:HD11	1:689:C:VAL:HA	6	0.12
(1,918)	1:692:C:LEU:HD12	1:689:C:VAL:HA	6	0.12
(1,918)	1:692:C:LEU:HD13	1:689:C:VAL:HA	6	0.12
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	15	0.12
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	15	0.12
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	15	0.12
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	15	0.12
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	15	0.12
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	15	0.12
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	10	0.12
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	10	0.12
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	10	0.12

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	1	0.12
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	1	0.12
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	1	0.12
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.12
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.12
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.12
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.12
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.12
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.12
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.12
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.12
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.12
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.12
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.12
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.12
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.12
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.12
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.12
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.12
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.12
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.12
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	5	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	15	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	4	0.12
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	3	0.12
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	8	0.12
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	8	0.12
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	8	0.12
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	8	0.12
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	8	0.12
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	8	0.12
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	1	0.12

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	7	0.12
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	7	0.12
(1,824)	1:781:C:ILE:H	1:780:C:ARG:HA	9	0.12
(1,824)	1:781:C:ILE:H	1:780:C:ARG:HA	12	0.12
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	12	0.12
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	12	0.12
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	12	0.12
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	12	0.12
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	12	0.12
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	12	0.12
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.12
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.12
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.12
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.12
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.12
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.12
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	6	0.12
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	15	0.12
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	11	0.12
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	11	0.12
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	11	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	3	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	3	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	8	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	8	0.12
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	14	0.12
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	14	0.12
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	14	0.12
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	14	0.12
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	10	0.12
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	10	0.12
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	10	0.12
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	10	0.12
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	10	0.12
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	10	0.12
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	1	0.12
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	1	0.12
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	1	0.12
(1,654)	1:706:C:ASN:H	1:703:C:SER:HA	1	0.12
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.12
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	10	0.12
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	12	0.12

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	12	0.12
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	12	0.12
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB2	4	0.12
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB3	4	0.12
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB2	4	0.12
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB3	4	0.12
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB2	4	0.12
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB3	4	0.12
(1,604)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	15	0.12
(1,604)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	15	0.12
(1,604)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	15	0.12
(1,604)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	15	0.12
(1,604)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	15	0.12
(1,604)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	15	0.12
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	9	0.12
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	9	0.12
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	9	0.12
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	4	0.12
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	4	0.12
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	4	0.12
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	4	0.12
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	4	0.12
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	4	0.12
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.12
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.12
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.12
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.12
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.12
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.12
(1,577)	1:692:C:LEU:HD11	1:689:C:VAL:HA	6	0.12
(1,577)	1:692:C:LEU:HD12	1:689:C:VAL:HA	6	0.12
(1,577)	1:692:C:LEU:HD13	1:689:C:VAL:HA	6	0.12
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	15	0.12
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	15	0.12
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	15	0.12
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	15	0.12
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	15	0.12
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	15	0.12
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	10	0.12
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	10	0.12
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	10	0.12
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	1	0.12

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	1	0.12
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	1	0.12
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.12
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.12
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.12
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.12
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.12
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.12
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.12
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.12
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.12
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.12
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.12
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.12
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.12
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.12
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.12
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.12
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.12
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.12
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	5	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	15	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	4	0.12
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	3	0.12
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	8	0.12
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	8	0.12
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	8	0.12
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	8	0.12
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	8	0.12
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	8	0.12
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	1	0.12
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	7	0.12

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	7	0.12
(1,483)	1:781:C:ILE:H	1:780:C:ARG:HA	9	0.12
(1,483)	1:781:C:ILE:H	1:780:C:ARG:HA	12	0.12
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	12	0.12
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	12	0.12
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	12	0.12
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	12	0.12
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	12	0.12
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	12	0.12
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.12
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.12
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.12
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.12
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.12
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.12
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	6	0.12
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	15	0.12
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	11	0.12
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	11	0.12
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	11	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	3	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	3	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	8	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	8	0.12
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	14	0.12
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	14	0.12
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	14	0.12
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	14	0.12
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	10	0.12
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	10	0.12
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	10	0.12
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	10	0.12
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	10	0.12
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	10	0.12
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	1	0.12
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	1	0.12
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	1	0.12
(1,313)	1:706:C:ASN:H	1:703:C:SER:HA	1	0.12
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.12
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	10	0.12
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	12	0.12
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	12	0.12

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	12	0.12
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB2	4	0.12
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB3	4	0.12
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB2	4	0.12
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB3	4	0.12
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB2	4	0.12
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB3	4	0.12
(1,263)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	15	0.12
(1,263)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	15	0.12
(1,263)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	15	0.12
(1,263)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	15	0.12
(1,263)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	15	0.12
(1,263)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	15	0.12
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	9	0.12
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	9	0.12
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	9	0.12
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	4	0.12
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	4	0.12
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	4	0.12
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	4	0.12
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	4	0.12
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	4	0.12
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.12
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.12
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.12
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.12
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.12
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.12
(1,236)	1:692:C:LEU:HD11	1:689:C:VAL:HA	6	0.12
(1,236)	1:692:C:LEU:HD12	1:689:C:VAL:HA	6	0.12
(1,236)	1:692:C:LEU:HD13	1:689:C:VAL:HA	6	0.12
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	15	0.12
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	15	0.12
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	15	0.12
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	15	0.12
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	15	0.12
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	15	0.12
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	10	0.12
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	10	0.12
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	10	0.12
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	1	0.12
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	1	0.12

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	1	0.12
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.12
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.12
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.12
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.12
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.12
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.12
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.12
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.12
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.12
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.12
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.12
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.12
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.12
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.12
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.12
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.12
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.12
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.12
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	5	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	3	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	3	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	15	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	15	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	3	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	3	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	15	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	15	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	3	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	3	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	15	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	15	0.12
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	13	0.12
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	13	0.12
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	14	0.12
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	14	0.12
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	13	0.12
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	13	0.12
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	14	0.12
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	14	0.12
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	13	0.12
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	13	0.12

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	14	0.12
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	14	0.12
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	1	0.12
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	1	0.12
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	1	0.12
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	1	0.12
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	1	0.12
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	1	0.12
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	13	0.11
(2,234)	1:830:B:ILE:O	1:834:B:GLN:N	1	0.11
(2,228)	1:827:B:ASP:O	1:831:B:GLU:N	6	0.11
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	2	0.11
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	10	0.11
(2,181)	1:794:B:LYS:O	1:798:B:ASN:H	12	0.11
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	14	0.11
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	13	0.11
(2,148)	1:830:B:ILE:O	1:834:B:GLN:N	1	0.11
(2,142)	1:827:B:ASP:O	1:831:B:GLU:N	6	0.11
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	2	0.11
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	10	0.11
(2,95)	1:794:B:LYS:O	1:798:B:ASN:H	12	0.11
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	14	0.11
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	13	0.11
(2,62)	1:830:B:ILE:O	1:834:B:GLN:N	1	0.11
(2,56)	1:827:B:ASP:O	1:831:B:GLU:N	6	0.11
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	2	0.11
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	10	0.11
(2,9)	1:794:B:LYS:O	1:798:B:ASN:H	12	0.11
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	14	0.11
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	2	0.11
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	2	0.11
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	13	0.11
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	13	0.11
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG2	2	0.11
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG3	2	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	6	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	6	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	9	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	9	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	8	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	15	0.11
(1,1207)	1:797:C:TRP:H	1:796:C:TRP:HD1	10	0.11
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	6	0.11
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	12	0.11
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	12	0.11
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	12	0.11
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	7	0.11
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	8	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	4	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	4	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	4	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	4	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	4	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	4	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	5	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	5	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	5	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	5	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	5	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	5	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	15	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	15	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	15	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	15	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	15	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	15	0.11

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	5	0.11
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	5	0.11
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	12	0.11
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	12	0.11
(1,1165)	1:781:C:ILE:H	1:780:C:ARG:HA	2	0.11
(1,1164)	1:781:C:ILE:H	1:778:C:VAL:HA	6	0.11
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	2	0.11
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	2	0.11
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	2	0.11
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	2	0.11
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	2	0.11
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	2	0.11
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	6	0.11
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	6	0.11
(1,1108)	1:763:C:LEU:HD11	1:764:C:SER:HG	8	0.11
(1,1108)	1:763:C:LEU:HD12	1:764:C:SER:HG	8	0.11
(1,1108)	1:763:C:LEU:HD13	1:764:C:SER:HG	8	0.11
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	5	0.11
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	5	0.11
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	5	0.11
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB1	5	0.11
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB2	5	0.11
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB3	5	0.11
(1,1089)	1:754:C:ALA:HB1	1:758:C:ASP:H	5	0.11
(1,1089)	1:754:C:ALA:HB2	1:758:C:ASP:H	5	0.11
(1,1089)	1:754:C:ALA:HB3	1:758:C:ASP:H	5	0.11
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	9	0.11
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	9	0.11
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	9	0.11
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	9	0.11
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	9	0.11
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	9	0.11
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	6	0.11
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	6	0.11
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	6	0.11
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	6	0.11
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	6	0.11
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	6	0.11
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	4	0.11
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	4	0.11
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	4	0.11
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	4	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1059)	1:746:C:ILE:HD11	1:743:C:ASP:HA	9	0.11
(1,1059)	1:746:C:ILE:HD12	1:743:C:ASP:HA	9	0.11
(1,1059)	1:746:C:ILE:HD13	1:743:C:ASP:HA	9	0.11
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	1	0.11
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	1	0.11
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	9	0.11
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	9	0.11
(1,1026)	1:709:C:ARG:HE	1:709:C:ARG:H	11	0.11
(1,1026)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	2	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	2	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	2	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	2	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	2	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	2	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	9	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	9	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	9	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	9	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	9	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	9	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.11
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.11
(1,992)	1:705:C:VAL:HG21	1:701:C:VAL:HA	11	0.11
(1,992)	1:705:C:VAL:HG22	1:701:C:VAL:HA	11	0.11
(1,992)	1:705:C:VAL:HG23	1:701:C:VAL:HA	11	0.11
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	5	0.11
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	5	0.11
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	5	0.11
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	5	0.11
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	5	0.11
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	5	0.11
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	5	0.11
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	5	0.11
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	5	0.11
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	9	0.11
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	9	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	9	0.11
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	9	0.11
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	9	0.11
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	9	0.11
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	9	0.11
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	9	0.11
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	9	0.11
(1,962)	1:702:C:LEU:H	1:699:C:PHE:HA	2	0.11
(1,956)	1:700:C:ALA:HB1	1:703:C:SER:HB2	3	0.11
(1,956)	1:700:C:ALA:HB1	1:703:C:SER:HB3	3	0.11
(1,956)	1:700:C:ALA:HB2	1:703:C:SER:HB2	3	0.11
(1,956)	1:700:C:ALA:HB2	1:703:C:SER:HB3	3	0.11
(1,956)	1:700:C:ALA:HB3	1:703:C:SER:HB2	3	0.11
(1,956)	1:700:C:ALA:HB3	1:703:C:SER:HB3	3	0.11
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	6	0.11
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	6	0.11
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	6	0.11
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB2	15	0.11
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB3	15	0.11
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB2	15	0.11
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB3	15	0.11
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB2	15	0.11
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB3	15	0.11
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	9	0.11
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	9	0.11
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	9	0.11
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	9	0.11
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	9	0.11
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	9	0.11
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.11
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.11
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.11
(1,906)	1:686:C:ILE:HD11	1:685:C:PHE:H	2	0.11
(1,906)	1:686:C:ILE:HD12	1:685:C:PHE:H	2	0.11
(1,906)	1:686:C:ILE:HD13	1:685:C:PHE:H	2	0.11
(1,906)	1:686:C:ILE:HD11	1:685:C:PHE:H	5	0.11
(1,906)	1:686:C:ILE:HD12	1:685:C:PHE:H	5	0.11
(1,906)	1:686:C:ILE:HD13	1:685:C:PHE:H	5	0.11
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.11
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.11
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.11
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.11
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.11
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.11
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.11
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.11
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.11
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.11
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.11
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	2	0.11
(1,881)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	10	0.11
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	2	0.11
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	2	0.11
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	13	0.11
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	13	0.11
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG2	2	0.11
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG3	2	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	6	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	6	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	9	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	9	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	8	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	8	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	8	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	8	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	8	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	8	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	13	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	13	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	13	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	13	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	13	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	13	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	15	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	15	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	15	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	15	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	15	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	15	0.11
(1,866)	1:797:C:TRP:H	1:796:C:TRP:HD1	10	0.11
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	6	0.11
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	12	0.11
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	12	0.11
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	12	0.11
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	7	0.11
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	8	0.11
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	4	0.11
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	4	0.11
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	4	0.11
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	4	0.11
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	4	0.11
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	4	0.11
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	5	0.11
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	5	0.11
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	5	0.11
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	5	0.11
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	5	0.11
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	5	0.11
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	15	0.11
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	15	0.11
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	15	0.11
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	15	0.11
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	15	0.11
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	15	0.11
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	5	0.11
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	5	0.11
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	12	0.11
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	12	0.11
(1,824)	1:781:C:ILE:H	1:780:C:ARG:HA	2	0.11
(1,823)	1:781:C:ILE:H	1:778:C:VAL:HA	6	0.11
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	2	0.11
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	2	0.11
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	2	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	2	0.11
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	2	0.11
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	2	0.11
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	6	0.11
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	6	0.11
(1,767)	1:763:C:LEU:HD11	1:764:C:SER:HG	8	0.11
(1,767)	1:763:C:LEU:HD12	1:764:C:SER:HG	8	0.11
(1,767)	1:763:C:LEU:HD13	1:764:C:SER:HG	8	0.11
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	5	0.11
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	5	0.11
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	5	0.11
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB1	5	0.11
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB2	5	0.11
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB3	5	0.11
(1,748)	1:754:C:ALA:HB1	1:758:C:ASP:H	5	0.11
(1,748)	1:754:C:ALA:HB2	1:758:C:ASP:H	5	0.11
(1,748)	1:754:C:ALA:HB3	1:758:C:ASP:H	5	0.11
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	9	0.11
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	9	0.11
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	9	0.11
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	9	0.11
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	9	0.11
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	9	0.11
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	6	0.11
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	6	0.11
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	6	0.11
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	6	0.11
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	6	0.11
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	6	0.11
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	4	0.11
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	4	0.11
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	4	0.11
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	4	0.11
(1,718)	1:746:C:ILE:HD11	1:743:C:ASP:HA	9	0.11
(1,718)	1:746:C:ILE:HD12	1:743:C:ASP:HA	9	0.11
(1,718)	1:746:C:ILE:HD13	1:743:C:ASP:HA	9	0.11
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	1	0.11
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	1	0.11
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	9	0.11
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	9	0.11
(1,685)	1:709:C:ARG:HE	1:709:C:ARG:H	11	0.11
(1,685)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.11

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	2	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	2	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	2	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	2	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	2	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	2	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	9	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	9	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	9	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	9	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	9	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	9	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.11
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.11
(1,651)	1:705:C:VAL:HG21	1:701:C:VAL:HA	11	0.11
(1,651)	1:705:C:VAL:HG22	1:701:C:VAL:HA	11	0.11
(1,651)	1:705:C:VAL:HG23	1:701:C:VAL:HA	11	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	5	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	5	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	5	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	5	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	5	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	5	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	5	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	5	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	5	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	9	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	9	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	9	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	9	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	9	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	9	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	9	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	9	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	9	0.11
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	2	0.11
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB2	3	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB3	3	0.11
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB2	3	0.11
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB3	3	0.11
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB2	3	0.11
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB3	3	0.11
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	6	0.11
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	6	0.11
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	6	0.11
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	15	0.11
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB3	15	0.11
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB2	15	0.11
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB3	15	0.11
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB2	15	0.11
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB3	15	0.11
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	9	0.11
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	9	0.11
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	9	0.11
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	9	0.11
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	9	0.11
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	9	0.11
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.11
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.11
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.11
(1,565)	1:686:C:ILE:HD11	1:685:C:PHE:H	2	0.11
(1,565)	1:686:C:ILE:HD12	1:685:C:PHE:H	2	0.11
(1,565)	1:686:C:ILE:HD13	1:685:C:PHE:H	2	0.11
(1,565)	1:686:C:ILE:HD11	1:685:C:PHE:H	5	0.11
(1,565)	1:686:C:ILE:HD12	1:685:C:PHE:H	5	0.11
(1,565)	1:686:C:ILE:HD13	1:685:C:PHE:H	5	0.11
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.11
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.11
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.11
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.11
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.11
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.11
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.11
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.11
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.11
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.11
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.11
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.11
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	2	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	2	0.11
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	2	0.11
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	2	0.11
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	2	0.11
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	2	0.11
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	10	0.11
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	2	0.11
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	2	0.11
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	13	0.11
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	13	0.11
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG2	2	0.11
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG3	2	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	6	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	6	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	9	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	9	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	15	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	15	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	15	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	15	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	15	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	15	0.11
(1,525)	1:797:C:TRP:H	1:796:C:TRP:HD1	10	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	6	0.11
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	12	0.11
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	12	0.11
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	12	0.11
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	7	0.11
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	8	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	4	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	4	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	4	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	4	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	4	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	4	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	5	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	5	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	5	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	5	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	5	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	5	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	15	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	15	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	15	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	15	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	15	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	15	0.11
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	5	0.11
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	5	0.11
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	12	0.11
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	12	0.11
(1,483)	1:781:C:ILE:H	1:780:C:ARG:HA	2	0.11
(1,482)	1:781:C:ILE:H	1:778:C:VAL:HA	6	0.11
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	2	0.11
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	2	0.11
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	2	0.11
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	2	0.11
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	2	0.11
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	2	0.11
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	6	0.11
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	6	0.11
(1,426)	1:763:C:LEU:HD11	1:764:C:SER:HG	8	0.11
(1,426)	1:763:C:LEU:HD12	1:764:C:SER:HG	8	0.11
(1,426)	1:763:C:LEU:HD13	1:764:C:SER:HG	8	0.11
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	5	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	5	0.11
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	5	0.11
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB1	5	0.11
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB2	5	0.11
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB3	5	0.11
(1,407)	1:754:C:ALA:HB1	1:758:C:ASP:H	5	0.11
(1,407)	1:754:C:ALA:HB2	1:758:C:ASP:H	5	0.11
(1,407)	1:754:C:ALA:HB3	1:758:C:ASP:H	5	0.11
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	9	0.11
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	9	0.11
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	9	0.11
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	9	0.11
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	9	0.11
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	9	0.11
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	6	0.11
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	6	0.11
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	6	0.11
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	6	0.11
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	6	0.11
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	6	0.11
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	4	0.11
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	4	0.11
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	4	0.11
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	4	0.11
(1,377)	1:746:C:ILE:HD11	1:743:C:ASP:HA	9	0.11
(1,377)	1:746:C:ILE:HD12	1:743:C:ASP:HA	9	0.11
(1,377)	1:746:C:ILE:HD13	1:743:C:ASP:HA	9	0.11
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	1	0.11
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	1	0.11
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	9	0.11
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	9	0.11
(1,344)	1:709:C:ARG:HE	1:709:C:ARG:H	11	0.11
(1,344)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.11
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	2	0.11
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	2	0.11
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	2	0.11
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	2	0.11
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	2	0.11
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	2	0.11
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	9	0.11
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	9	0.11
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	9	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	9	0.11
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	9	0.11
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	9	0.11
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.11
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.11
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.11
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.11
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.11
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.11
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.11
(1,310)	1:705:C:VAL:HG21	1:701:C:VAL:HA	11	0.11
(1,310)	1:705:C:VAL:HG22	1:701:C:VAL:HA	11	0.11
(1,310)	1:705:C:VAL:HG23	1:701:C:VAL:HA	11	0.11
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	5	0.11
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	5	0.11
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	5	0.11
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	5	0.11
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	5	0.11
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	5	0.11
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	5	0.11
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	5	0.11
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	5	0.11
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	9	0.11
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	9	0.11
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	9	0.11
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	9	0.11
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	9	0.11
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	9	0.11
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	9	0.11
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	9	0.11
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	9	0.11
(1,280)	1:702:C:LEU:H	1:699:C:PHE:HA	2	0.11
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB2	3	0.11
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB3	3	0.11
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB2	3	0.11
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB3	3	0.11
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB2	3	0.11
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB3	3	0.11
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	6	0.11
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	6	0.11
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	6	0.11
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	15	0.11

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	15	0.11
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	15	0.11
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	15	0.11
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	15	0.11
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	15	0.11
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	9	0.11
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	9	0.11
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	9	0.11
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	9	0.11
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	9	0.11
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	9	0.11
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.11
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.11
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.11
(1,224)	1:686:C:ILE:HD11	1:685:C:PHE:H	2	0.11
(1,224)	1:686:C:ILE:HD12	1:685:C:PHE:H	2	0.11
(1,224)	1:686:C:ILE:HD13	1:685:C:PHE:H	2	0.11
(1,224)	1:686:C:ILE:HD11	1:685:C:PHE:H	5	0.11
(1,224)	1:686:C:ILE:HD12	1:685:C:PHE:H	5	0.11
(1,224)	1:686:C:ILE:HD13	1:685:C:PHE:H	5	0.11
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.11
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.11
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.11
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.11
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.11
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.11
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.11
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.11
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.11
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.11
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.11
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.11
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	2	0.11
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	2	0.11
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	2	0.11
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	2	0.11
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	2	0.11
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	2	0.11
(1,199)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	10	0.11
(1,199)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	10	0.11
(1,199)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	10	0.11
(1,199)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	10	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	10	0.11
(1,199)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	10	0.11
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	11	0.11
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	11	0.11
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	11	0.11
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	11	0.11
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	11	0.11
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	11	0.11
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	8	0.11
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	8	0.11
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	8	0.11
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	8	0.11
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	8	0.11
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	8	0.11
(1,174)	1:816:C:ASN:H	1:830:C:ILE:HD11	10	0.11
(1,174)	1:816:C:ASN:H	1:830:C:ILE:HD12	10	0.11
(1,174)	1:816:C:ASN:H	1:830:C:ILE:HD13	10	0.11
(1,173)	1:816:C:ASN:H	1:830:C:ILE:HD11	10	0.11
(1,173)	1:816:C:ASN:H	1:830:C:ILE:HD12	10	0.11
(1,173)	1:816:C:ASN:H	1:830:C:ILE:HD13	10	0.11
(1,172)	1:816:C:ASN:H	1:830:C:ILE:HD11	10	0.11
(1,172)	1:816:C:ASN:H	1:830:C:ILE:HD12	10	0.11
(1,172)	1:816:C:ASN:H	1:830:C:ILE:HD13	10	0.11
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	8	0.11
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	8	0.11
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	8	0.11
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	8	0.11
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	8	0.11
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	8	0.11
(1,147)	1:794:C:LYS:H	1:848:C:ARG:HG2	13	0.11
(1,147)	1:794:C:LYS:H	1:848:C:ARG:HG3	13	0.11
(1,146)	1:794:C:LYS:H	1:848:C:ARG:HG2	13	0.11
(1,146)	1:794:C:LYS:H	1:848:C:ARG:HG3	13	0.11
(1,145)	1:794:C:LYS:H	1:848:C:ARG:HG2	13	0.11
(1,145)	1:794:C:LYS:H	1:848:C:ARG:HG3	13	0.11
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	1	0.11
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	1	0.11
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	1	0.11
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	1	0.11
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	1	0.11
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	1	0.11
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	1	0.11

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	1	0.11
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	1	0.11
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	1	0.11
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	1	0.11
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	1	0.11
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	1	0.11
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	1	0.11
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	1	0.11
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	1	0.11
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	1	0.11
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	1	0.11
(2,257)	1:850:B:GLY:O	1:854:B:ILE:H	10	0.1
(2,234)	1:830:B:ILE:O	1:834:B:GLN:N	13	0.1
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	14	0.1
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	13	0.1
(2,181)	1:794:B:LYS:O	1:798:B:ASN:H	3	0.1
(2,171)	1:850:B:GLY:O	1:854:B:ILE:H	10	0.1
(2,148)	1:830:B:ILE:O	1:834:B:GLN:N	13	0.1
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	14	0.1
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	13	0.1
(2,95)	1:794:B:LYS:O	1:798:B:ASN:H	3	0.1
(2,85)	1:850:B:GLY:O	1:854:B:ILE:H	10	0.1
(2,62)	1:830:B:ILE:O	1:834:B:GLN:N	13	0.1
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	14	0.1
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	13	0.1
(2,9)	1:794:B:LYS:O	1:798:B:ASN:H	3	0.1
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	15	0.1
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	15	0.1
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	15	0.1
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	3	0.1
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	3	0.1
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	1	0.1
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	1	0.1
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	1	0.1
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	14	0.1
(1,995)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.1
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	2	0.1
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	2	0.1
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	2	0.1
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	2	0.1
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	2	0.1
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	2	0.1

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	7	0.1
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	7	0.1
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	7	0.1
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	7	0.1
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	7	0.1
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	7	0.1
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	14	0.1
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	14	0.1
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	14	0.1
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	3	0.1
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.1
(1,929)	1:695:C:LEU:H	1:691:C:SER:HA	15	0.1
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB2	8	0.1
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB3	8	0.1
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB2	8	0.1
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB3	8	0.1
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB2	8	0.1
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB3	8	0.1
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	13	0.1
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	13	0.1
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	13	0.1
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	13	0.1
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	13	0.1
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	13	0.1
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	14	0.1
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	14	0.1
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	14	0.1
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	14	0.1
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	14	0.1
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	14	0.1
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.1
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	15	0.1
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	15	0.1
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	15	0.1
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	3	0.1
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	3	0.1
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	1	0.1

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	1	0.1
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	1	0.1
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	14	0.1
(1,654)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.1
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	2	0.1
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	2	0.1
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	2	0.1
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	2	0.1
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	2	0.1
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	2	0.1
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	7	0.1
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	7	0.1
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	7	0.1
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	7	0.1
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	7	0.1
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	7	0.1
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	14	0.1
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	14	0.1
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	14	0.1
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	3	0.1
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.1
(1,588)	1:695:C:LEU:H	1:691:C:SER:HA	15	0.1
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	8	0.1
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB3	8	0.1
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB2	8	0.1
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB3	8	0.1
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB2	8	0.1
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB3	8	0.1
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	13	0.1
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	13	0.1
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	13	0.1
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	13	0.1
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	13	0.1
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	13	0.1
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	14	0.1
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	14	0.1
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	14	0.1
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	14	0.1
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	14	0.1
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	14	0.1
(1,542)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.1
(1,542)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.1

*Continued on next page...*

*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,542)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.1
(1,542)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.1
(1,542)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.1
(1,542)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.1
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	15	0.1
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	15	0.1
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	15	0.1
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	3	0.1
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	3	0.1
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	1	0.1
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	1	0.1
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	1	0.1
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	14	0.1
(1,313)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.1
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	2	0.1
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	2	0.1
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	2	0.1
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	2	0.1
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	2	0.1
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	2	0.1
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	7	0.1
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	7	0.1
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	7	0.1
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	7	0.1
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	7	0.1
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	7	0.1
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	14	0.1
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	14	0.1
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	14	0.1
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	3	0.1
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.1
(1,247)	1:695:C:LEU:H	1:691:C:SER:HA	15	0.1
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	8	0.1
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	8	0.1
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	8	0.1
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	8	0.1
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	8	0.1
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	8	0.1
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	13	0.1
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	13	0.1
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	13	0.1
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	13	0.1

*Continued on next page...*



*Continued from previous page...*

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	13	0.1
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	13	0.1
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	14	0.1
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	14	0.1
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	14	0.1
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	14	0.1
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	14	0.1
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	14	0.1
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.1
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.1
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.1
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.1
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.1
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.1
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.1

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

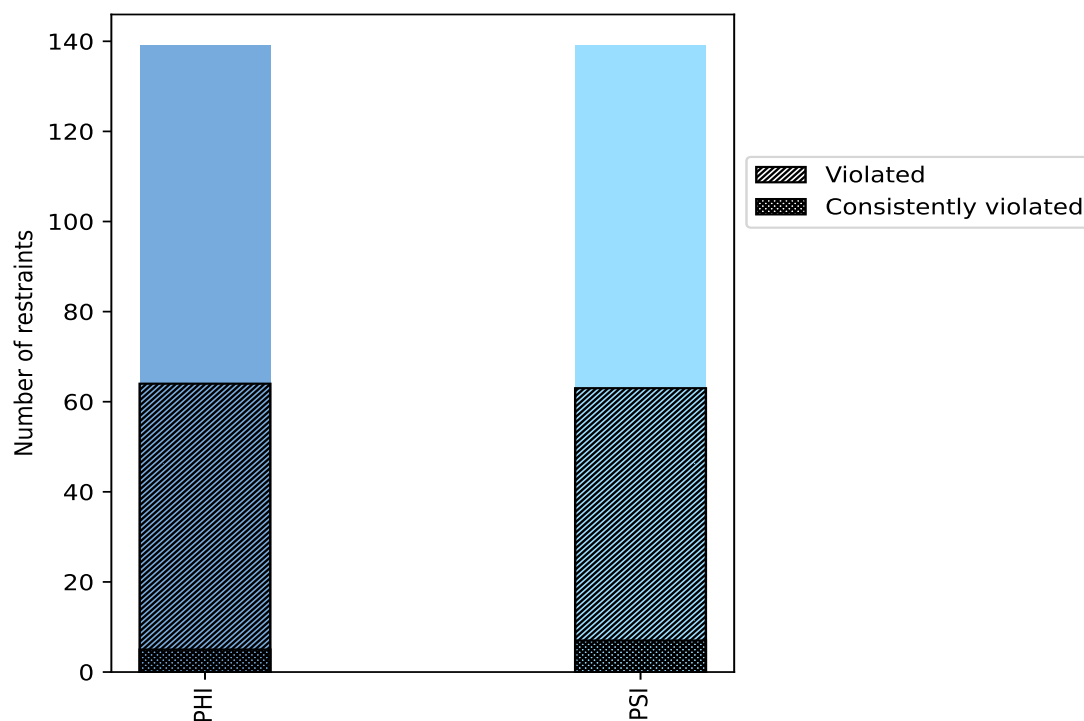
### 10.1 Summary of dihedral-angle violations [i](#)

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

Angle type	Count	% <sup>1</sup>	Violated <sup>3</sup>			Consistently Violated <sup>4</sup>		
			Count	% <sup>2</sup>	% <sup>1</sup>	Count	% <sup>2</sup>	% <sup>1</sup>
PHI	139	50.0	64	46.0	23.0	5	3.6	1.8
PSI	139	50.0	63	45.3	22.7	7	5.0	2.5
Total	278	100.0	127	45.7	45.7	12	4.3	4.3

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

#### 10.1.1 Bar chart : Distribution of dihedral-angles and violations [i](#)



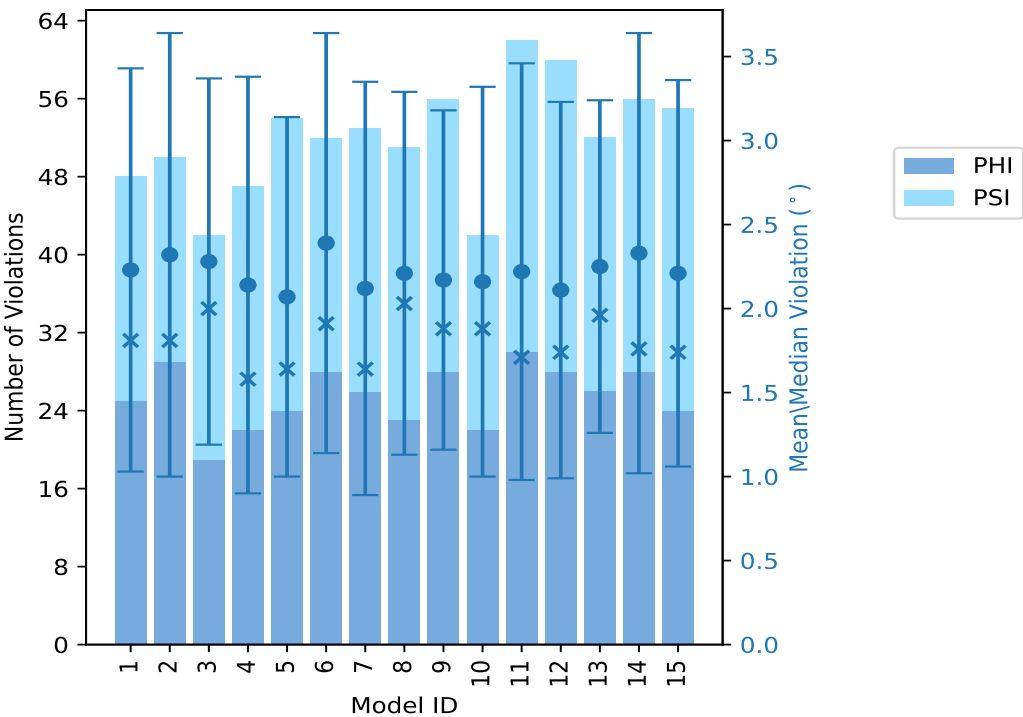
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

10.2 Dihedral-angle violation statistics for each model ⓘ

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PHI	PSI	Total				
1	25	23	48	2.23	5.82	1.2	1.81
2	29	21	50	2.32	6.52	1.32	1.81
3	19	23	42	2.28	5.2	1.09	2.0
4	22	25	47	2.14	6.21	1.24	1.58
5	24	30	54	2.07	5.49	1.07	1.64
6	28	24	52	2.39	6.29	1.25	1.91
7	26	27	53	2.12	7.1	1.23	1.64
8	23	28	51	2.21	5.58	1.08	2.03
9	28	28	56	2.17	4.81	1.01	1.88
10	22	20	42	2.16	5.31	1.16	1.88
11	30	32	62	2.22	6.91	1.24	1.71
12	28	32	60	2.11	6.41	1.12	1.74
13	26	26	52	2.25	5.12	0.99	1.96
14	28	28	56	2.33	6.1	1.31	1.76
15	24	31	55	2.21	5.71	1.15	1.74

10.2.1 Bar graph : Dihedral violation statistics for each model ⓘ



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

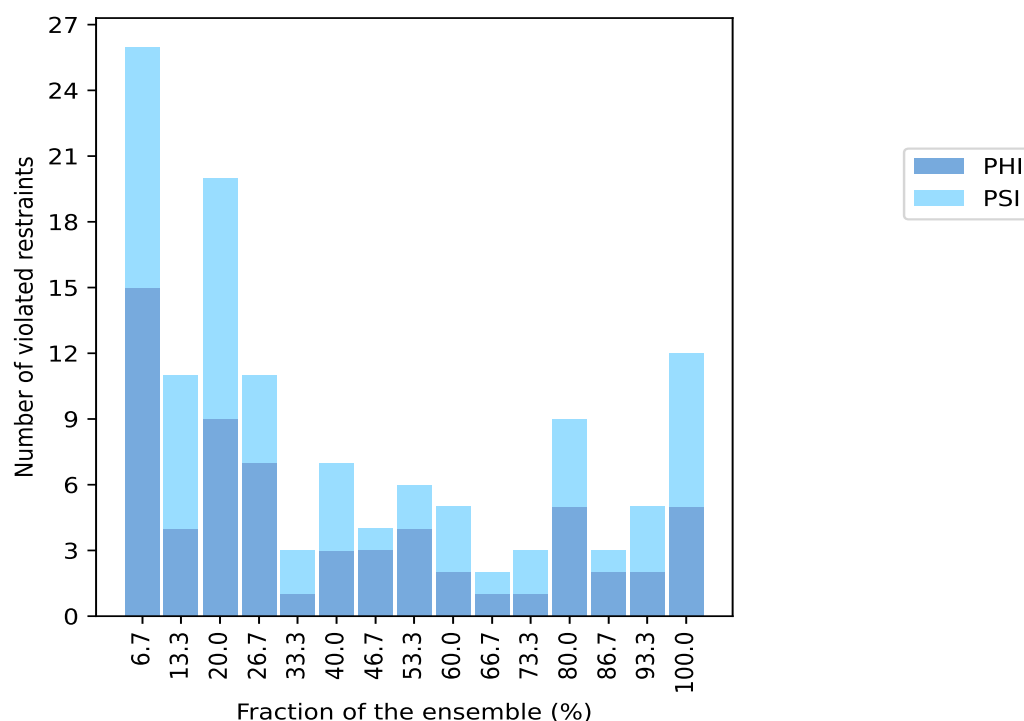
### 10.3 Dihedral-angle violation statistics for the ensemble [i](#)

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

Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count <sup>1</sup>	%
15	11	26	1	6.7
4	7	11	2	13.3
9	11	20	3	20.0
7	4	11	4	26.7
1	2	3	5	33.3
3	4	7	6	40.0
3	1	4	7	46.7
4	2	6	8	53.3
2	3	5	9	60.0
1	1	2	10	66.7
1	2	3	11	73.3
5	4	9	12	80.0
2	1	3	13	86.7
2	3	5	14	93.3
5	7	12	15	100.0

<sup>1</sup> Number of models with violations

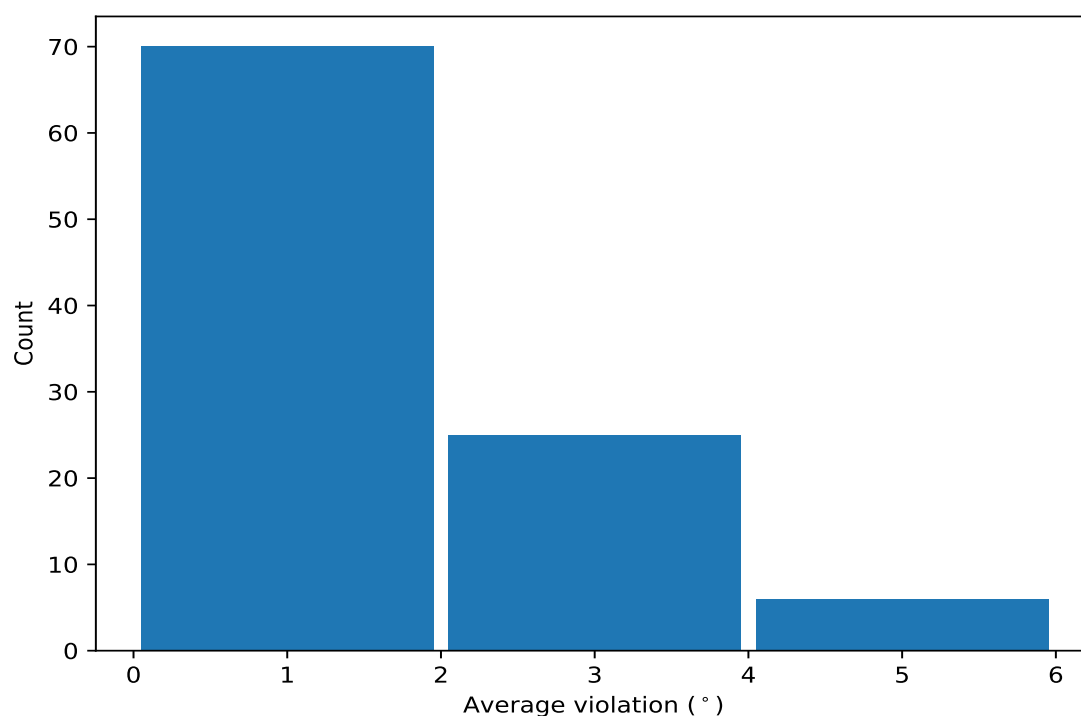
### 10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble [i](#)



## 10.4 Most violated dihedral-angle restraints in the ensemble [i](#)

### 10.4.1 Histogram : Distribution of mean dihedral-angle violations [i](#)

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



#### 10.4.2 Table: Most violated dihedral-angle restraints [i](#)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	15	4.74	1.44	4.89
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	15	4.69	0.87	4.82
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	15	4.49	0.99	4.31
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	15	4.34	0.88	4.14
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	15	4.08	0.68	4.1
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	15	4.04	0.59	4.01
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	15	3.58	0.93	3.59
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	15	3.22	0.92	3.07
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	15	2.97	0.84	3.09
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	15	2.85	0.62	2.68
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	15	2.36	0.7	2.17
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	15	2.2	0.49	2.19
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	14	3.52	1.09	3.82
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	14	2.9	0.97	2.64
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	14	1.95	0.67	1.81
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	14	1.68	0.59	1.38
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	14	1.67	0.41	1.6
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	13	2.23	0.61	2.13
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	13	1.82	0.49	1.64
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	13	1.73	0.36	1.79
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	12	2.34	0.85	2.19

Continued on next page...



Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	12	2.33	0.81	2.12
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	12	2.3	0.69	2.2
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	12	2.29	0.71	2.22
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	12	2.07	0.53	2.2
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	12	1.99	0.63	1.86
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	12	1.9	0.75	1.74
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	12	1.79	0.46	1.67
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	12	1.22	0.18	1.2
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	11	2.31	0.78	2.12
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	11	2.08	0.87	1.76
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	11	2.02	0.76	2.0
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	10	2.13	0.72	1.81
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	10	1.4	0.24	1.34
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	9	1.83	0.47	1.77
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	9	1.6	0.48	1.49
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	9	1.58	0.61	1.37
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	9	1.48	0.41	1.35
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	9	1.28	0.27	1.13
(1,179)	1:795:C:TYR:C	1:796:C:TRP:N	1:796:C:TRP:CA	1:796:C:TRP:C	8	2.22	0.93	1.9
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	8	1.79	0.63	1.56
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	8	1.71	0.76	1.47
(1,139)	1:775:C:LEU:C	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	8	1.5	0.1	1.52
(1,93)	1:747:C:ARG:C	1:748:C:LEU:N	1:748:C:LEU:CA	1:748:C:LEU:C	8	1.47	0.35	1.34
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	8	1.22	0.16	1.14
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	7	1.62	0.38	1.43
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	7	1.61	0.47	1.47
(1,166)	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	1:790:C:TRP:N	7	1.39	0.32	1.28
(1,167)	1:789:C:GLY:C	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	7	1.37	0.27	1.29
(1,111)	1:756:C:ILE:C	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	6	2.36	1.22	1.76
(1,143)	1:777:C:ILE:C	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	6	1.64	0.46	1.51
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	6	1.49	0.53	1.25
(1,186)	1:799:C:LEU:N	1:799:C:LEU:CA	1:799:C:LEU:C	1:800:C:LEU:N	6	1.48	0.13	1.5
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	6	1.36	0.28	1.34
(1,188)	1:800:C:LEU:N	1:800:C:LEU:CA	1:800:C:LEU:C	1:801:C:GLN:N	6	1.36	0.31	1.2
(1,170)	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	1:792:C:ALA:N	6	1.29	0.38	1.06
(1,120)	1:761:C:ARG:N	1:761:C:ARG:CA	1:761:C:ARG:C	1:762:C:SER:N	5	1.78	0.39	1.8
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	5	1.7	0.32	1.62
(1,182)	1:797:C:TRP:N	1:797:C:TRP:CA	1:797:C:TRP:C	1:798:C:ASN:N	5	1.55	0.42	1.59
(1,176)	1:794:C:LYS:N	1:794:C:LYS:CA	1:794:C:LYS:C	1:795:C:TYR:N	4	1.84	0.83	1.49
(1,228)	1:820:C:ILE:N	1:820:C:ILE:CA	1:820:C:ILE:C	1:821:C:ALA:N	4	1.76	0.2	1.7
(1,178)	1:795:C:TYR:N	1:795:C:TYR:CA	1:795:C:TYR:C	1:796:C:TRP:N	4	1.72	0.84	1.29
(1,121)	1:761:C:ARG:C	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	4	1.65	0.16	1.65
(1,145)	1:778:C:VAL:C	1:779:C:THR:N	1:779:C:THR:CA	1:779:C:THR:C	4	1.59	0.25	1.54
(1,150)	1:781:C:ILE:N	1:781:C:ILE:CA	1:781:C:ILE:C	1:782:C:VAL:N	4	1.5	0.21	1.42
(1,165)	1:788:C:ARG:C	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	4	1.34	0.31	1.22
(1,131)	1:771:C:LEU:C	1:772:C:ARG:N	1:772:C:ARG:CA	1:772:C:ARG:C	4	1.28	0.27	1.19
(1,163)	1:787:C:ARG:C	1:788:C:ARG:N	1:788:C:ARG:CA	1:788:C:ARG:C	4	1.27	0.15	1.22
(1,183)	1:797:C:TRP:C	1:798:C:ASN:N	1:798:C:ASN:CA	1:798:C:ASN:C	4	1.21	0.19	1.16
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	4	1.15	0.16	1.1
(1,175)	1:793:C:LEU:C	1:794:C:LYS:N	1:794:C:LYS:CA	1:794:C:LYS:C	3	2.77	0.99	2.37
(1,113)	1:757:C:TRP:C	1:758:C:ASP:N	1:758:C:ASP:CA	1:758:C:ASP:C	3	2.09	0.74	1.89

Continued on next page...

Continued from previous page...

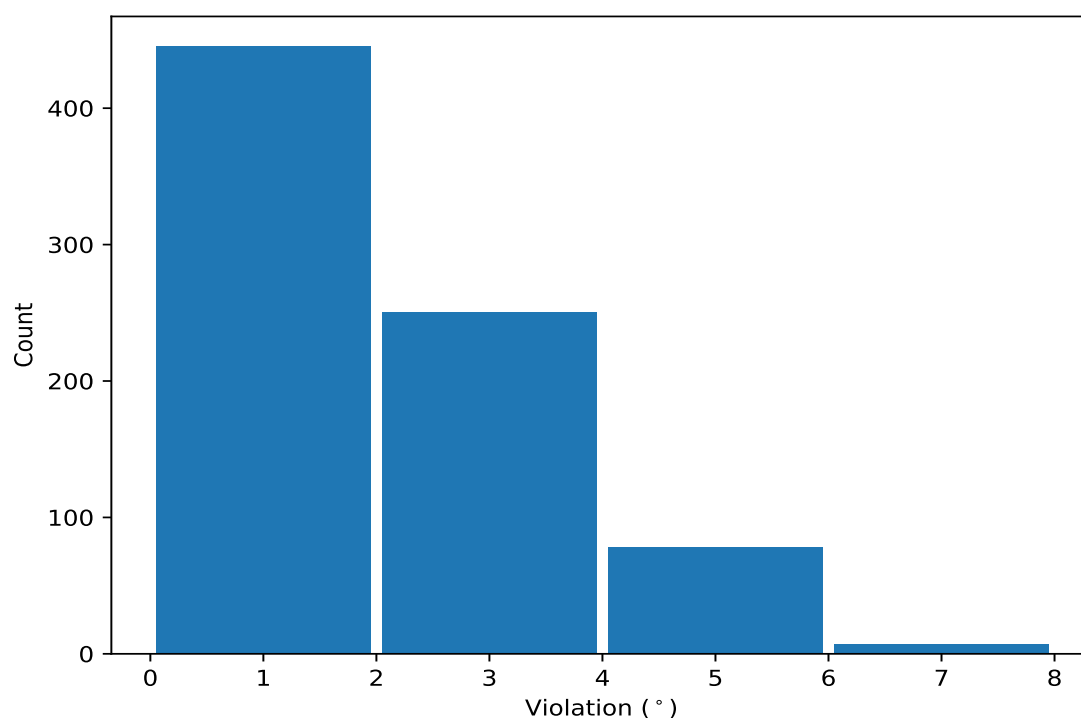
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models <sup>1</sup>	Mean	SD <sup>2</sup>	Median
(1,110)	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	1:757:C:TRP:N	3	2.02	0.99	1.45
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	3	1.61	0.6	1.38
(1,162)	1:787:C:ARG:N	1:787:C:ARG:CA	1:787:C:ARG:C	1:788:C:ARG:N	3	1.58	0.18	1.6
(1,164)	1:788:C:ARG:N	1:788:C:ARG:CA	1:788:C:ARG:C	1:789:C:GLY:N	3	1.56	0.26	1.51
(1,199)	1:805:C:GLN:C	1:806:C:GLU:N	1:806:C:GLU:CA	1:806:C:GLU:C	3	1.55	0.46	1.29
(1,67)	1:714:C:PRO:C	1:715:C:LEU:N	1:715:C:LEU:CA	1:715:C:LEU:C	3	1.51	0.31	1.72
(1,254)	1:838:C:ARG:N	1:838:C:ARG:CA	1:838:C:ARG:C	1:839:C:ALA:N	3	1.5	0.25	1.56
(1,58)	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	1:708:C:VAL:N	3	1.49	0.31	1.44
(1,151)	1:781:C:ILE:C	1:782:C:VAL:N	1:782:C:VAL:CA	1:782:C:VAL:C	3	1.43	0.16	1.36
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	3	1.42	0.55	1.03
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	3	1.41	0.24	1.4
(1,117)	1:759:C:ASP:C	1:760:C:LEU:N	1:760:C:LEU:CA	1:760:C:LEU:C	3	1.4	0.38	1.22
(1,144)	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	1:779:C:THR:N	3	1.32	0.18	1.23
(1,253)	1:837:C:SER:C	1:838:C:ARG:N	1:838:C:ARG:CA	1:838:C:ARG:C	3	1.3	0.07	1.26
(1,116)	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	1:760:C:LEU:N	3	1.28	0.19	1.39
(1,109)	1:755:C:LEU:C	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	3	1.28	0.22	1.15
(1,138)	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	1:776:C:LEU:N	3	1.21	0.13	1.24
(1,222)	1:817:C:ALA:N	1:817:C:ALA:CA	1:817:C:ALA:C	1:818:C:THR:N	3	1.08	0.06	1.08
(1,174)	1:793:C:LEU:N	1:793:C:LEU:CA	1:793:C:LEU:C	1:794:C:LYS:N	2	2.4	1.14	2.4
(1,66)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	2	2.1	0.16	2.1
(1,161)	1:786:C:GLY:C	1:787:C:ARG:N	1:787:C:ARG:CA	1:787:C:ARG:C	2	1.92	0.38	1.92
(1,122)	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	1:763:C:LEU:N	2	1.79	0.68	1.79
(1,173)	1:792:C:ALA:C	1:793:C:LEU:N	1:793:C:LEU:CA	1:793:C:LEU:C	2	1.67	0.12	1.67
(1,246)	1:834:C:GLN:N	1:834:C:GLN:CA	1:834:C:GLN:C	1:835:C:GLY:N	2	1.32	0.08	1.32
(1,115)	1:758:C:ASP:C	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	2	1.27	0.07	1.27
(1,55)	1:705:C:VAL:C	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	2	1.27	0.25	1.27
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	2	1.25	0.26	1.25
(1,102)	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	1:753:C:LEU:N	2	1.17	0.01	1.17
(1,82)	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	1:743:C:ASP:N	2	1.06	0.04	1.06

<sup>1</sup> Number of violated models, <sup>2</sup>Standard deviation, All angle values are in degree (°)

## 10.5 All violated dihedral-angle restraints ⓘ

### 10.5.1 Histogram : Distribution of violations ⓘ

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



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

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	7	7.1
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	11	6.91
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	2	6.52
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	12	6.41
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	6	6.29
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	4	6.21
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	14	6.1
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	2	5.83
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	1	5.82
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	15	5.71
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	8	5.58
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	12	5.58
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	5	5.49
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	6	5.34
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	10	5.31
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	1	5.28
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	2	5.23
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	3	5.2
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	14	5.17
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	1	5.15
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	13	5.12

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	6	5.08
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	11	5.07
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	3	5.05
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	3	5.05
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	10	5.02
(1,111)	1:756:C:ILE:C	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	14	5.02
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	15	4.99
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	2	4.99
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	11	4.93
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	4	4.91
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	10	4.9
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	8	4.89
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	10	4.88
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	11	4.88
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	6	4.87
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	12	4.83
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	5	4.82
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	9	4.81
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	2	4.79
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	1	4.69
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	9	4.66
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	1	4.63
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	9	4.63
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	15	4.59
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	7	4.59
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	14	4.55
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	8	4.52
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	6	4.52
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	14	4.5
(1,179)	1:795:C:TYR:C	1:796:C:TRP:N	1:796:C:TRP:CA	1:796:C:TRP:C	14	4.49
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	15	4.47
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	4	4.42
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	14	4.41
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	6	4.35
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	13	4.33
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	5	4.32
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	11	4.31
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	15	4.31
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	6	4.3
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	7	4.25
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	7	4.25
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	4	4.21
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	11	4.19
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	8	4.18
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	11	4.18
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	15	4.17
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	9	4.14
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	4	4.14
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	2	4.14
(1,175)	1:793:C:LEU:C	1:794:C:LYS:N	1:794:C:LYS:CA	1:794:C:LYS:C	13	4.13
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	5	4.1

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	11	4.1
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	13	4.1
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	9	4.1
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	15	4.08
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	5	4.07
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	7	4.06
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	4	4.05
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	5	4.02
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	6	4.02
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	14	4.01
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	11	4.01
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	1	4.01
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	5	4.0
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	12	3.97
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	3	3.95
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	9	3.95
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	15	3.91
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	13	3.9
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	4	3.89
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	6	3.89
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	15	3.88
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	8	3.88
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	12	3.88
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	14	3.87
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	13	3.86
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	3	3.84
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1	3.82
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	9	3.81
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	14	3.79
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	14	3.77
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	2	3.76
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	2	3.74
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	8	3.73
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	4	3.69
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	12	3.66
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	4	3.63
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	7	3.63
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	7	3.62
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	4	3.62
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	2	3.62
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	7	3.61
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	5	3.59
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	9	3.59
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	13	3.57
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	10	3.56
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	14	3.55
(1,174)	1:793:C:LEU:N	1:793:C:LEU:CA	1:793:C:LEU:C	1:794:C:LYS:N	13	3.54
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	12	3.53
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	8	3.49
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	7	3.47
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	7	3.47

Continued on next page...



*Continued from previous page...*

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,110)	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	1:757:C:TRP:N	14	3.42
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	2	3.42
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	12	3.39
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	11	3.38
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	4	3.37
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	3	3.36
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	14	3.35
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	13	3.34
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	15	3.32
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	7	3.29
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	10	3.28
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	8	3.26
(1,176)	1:794:C:LYS:N	1:794:C:LYS:CA	1:794:C:LYS:C	1:795:C:TYR:N	8	3.25
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	5	3.25
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	3	3.25
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	11	3.23
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	9	3.23
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	9	3.19
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	11	3.18
(1,178)	1:795:C:TYR:N	1:795:C:TYR:CA	1:795:C:TYR:C	1:796:C:TRP:N	14	3.17
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	1	3.15
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	12	3.15
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	6	3.13
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	7	3.13
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	2	3.11
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	11	3.1
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	9	3.09
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	14	3.09
(1,168)	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	1:791:C:GLU:N	12	3.07
(1,113)	1:757:C:TRP:C	1:758:C:ASP:N	1:758:C:ASP:CA	1:758:C:ASP:C	13	3.07
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	12	3.07
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	10	3.06
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	6	3.05
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	3	3.05
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	8	3.04
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	6	3.01
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	14	3.01
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	13	3.0
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	8	2.98
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	5	2.98
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	13	2.98
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	3	2.96
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	6	2.93
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	13	2.92
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	8	2.92
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	10	2.92
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	1	2.88
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	15	2.88
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	3	2.87
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	14	2.87
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	3	2.87

*Continued on next page...*



Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	12	2.87
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	11	2.85
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	9	2.85
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	12	2.85
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	14	2.85
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	3	2.84
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	5	2.84
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	3	2.84
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	2	2.83
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	13	2.82
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	6	2.82
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	11	2.82
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	10	2.81
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	7	2.81
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	6	2.81
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	10	2.8
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	2	2.78
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	13	2.78
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	10	2.78
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	13	2.77
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	6	2.76
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	1	2.75
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	9	2.75
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	15	2.75
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	11	2.74
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	2	2.73
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	1	2.73
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	6	2.73
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	8	2.73
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	8	2.72
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	9	2.71
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	8	2.7
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1	2.68
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	6	2.68
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	9	2.67
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	14	2.67
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	1	2.65
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	15	2.65
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	11	2.63
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	13	2.63
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	3	2.63
(1,143)	1:777:C:ILE:C	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	7	2.62
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	12	2.6
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	11	2.6
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	15	2.59
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	11	2.58
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	6	2.57
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	10	2.57
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	15	2.56
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	11	2.56
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	5	2.55

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	6	2.54
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	10	2.54
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	9	2.52
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	14	2.51
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	9	2.51
(1,179)	1:795:C:TYR:C	1:796:C:TRP:N	1:796:C:TRP:CA	1:796:C:TRP:C	6	2.49
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	3	2.49
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	7	2.48
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	1	2.48
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	15	2.48
(1,122)	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	1:763:C:LEU:N	13	2.47
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	3	2.45
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	5	2.45
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	2	2.44
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	10	2.44
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	12	2.43
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	2	2.43
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	12	2.43
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	15	2.42
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	4	2.42
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	13	2.42
(1,111)	1:756:C:ILE:C	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	15	2.42
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	9	2.42
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	14	2.41
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	1	2.4
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	2	2.4
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	8	2.4
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	9	2.38
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	10	2.38
(1,175)	1:793:C:LEU:C	1:794:C:LYS:N	1:794:C:LYS:CA	1:794:C:LYS:C	8	2.37
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	7	2.37
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	5	2.37
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	4	2.37
(1,177)	1:794:C:LYS:C	1:795:C:TYR:N	1:795:C:TYR:CA	1:795:C:TYR:C	8	2.36
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	5	2.36
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	7	2.34
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	12	2.34
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	14	2.34
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	9	2.33
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	13	2.33
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	11	2.32
(1,161)	1:786:C:GLY:C	1:787:C:ARG:N	1:787:C:ARG:CA	1:787:C:ARG:C	11	2.31
(1,120)	1:761:C:ARG:N	1:761:C:ARG:CA	1:761:C:ARG:C	1:762:C:SER:N	8	2.31
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	5	2.31
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	11	2.31
(1,105)	1:753:C:LEU:C	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	13	2.3
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	12	2.3
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	15	2.29
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	5	2.29
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	3	2.28
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	2	2.28

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	12	2.27
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	15	2.26
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	13	2.26
(1,66)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	8	2.26
(1,179)	1:795:C:TYR:C	1:796:C:TRP:N	1:796:C:TRP:CA	1:796:C:TRP:C	10	2.25
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	6	2.24
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	8	2.24
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	1	2.24
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	12	2.22
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	7	2.21
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	8	2.21
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	8	2.2
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	6	2.2
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	9	2.2
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	13	2.2
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	8	2.2
(1,199)	1:805:C:GLN:C	1:806:C:GLU:N	1:806:C:GLU:CA	1:806:C:GLU:C	1	2.19
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	3	2.19
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	10	2.19
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	3	2.19
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	15	2.19
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	2	2.18
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	2	2.17
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	1	2.17
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	7	2.17
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	13	2.17
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	12	2.16
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	2	2.15
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	15	2.14
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	4	2.14
(1,182)	1:797:C:TRP:N	1:797:C:TRP:CA	1:797:C:TRP:C	1:798:C:ASN:N	1	2.13
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	12	2.13
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	7	2.13
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	5	2.13
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	12	2.12
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	3	2.12
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	4	2.11
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1	2.1
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	6	2.1
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	15	2.1
(1,228)	1:820:C:ILE:N	1:820:C:ILE:CA	1:820:C:ILE:C	1:821:C:ALA:N	6	2.09
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	9	2.09
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	12	2.09
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	4	2.08
(1,120)	1:761:C:ARG:N	1:761:C:ARG:CA	1:761:C:ARG:C	1:762:C:SER:N	11	2.07
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	10	2.07
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	12	2.04
(1,93)	1:747:C:ARG:C	1:748:C:LEU:N	1:748:C:LEU:CA	1:748:C:LEU:C	10	2.04
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	12	2.04
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	8	2.03
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	13	2.03

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	8	2.03
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	7	2.03
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	9	2.03
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	1	2.02
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	10	2.01
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	3	2.01
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	2	2.0
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	3	2.0
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	15	1.99
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	11	1.99
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	11	1.99
(1,170)	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	1:792:C:ALA:N	9	1.98
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	13	1.98
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	4	1.98
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	6	1.98
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	8	1.98
(1,166)	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	1:790:C:TRP:N	9	1.97
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	5	1.97
(1,145)	1:778:C:VAL:C	1:779:C:THR:N	1:779:C:THR:CA	1:779:C:THR:C	7	1.96
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	9	1.96
(1,167)	1:789:C:GLY:C	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	9	1.94
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	4	1.94
(1,66)	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	1:714:C:PRO:N	1	1.94
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	15	1.93
(1,117)	1:759:C:ASP:C	1:760:C:LEU:N	1:760:C:LEU:CA	1:760:C:LEU:C	13	1.93
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	2	1.93
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	9	1.92
(1,179)	1:795:C:TYR:C	1:796:C:TRP:N	1:796:C:TRP:CA	1:796:C:TRP:C	2	1.92
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	13	1.91
(1,164)	1:788:C:ARG:N	1:788:C:ARG:CA	1:788:C:ARG:C	1:789:C:GLY:N	7	1.9
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	10	1.9
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	5	1.9
(1,179)	1:795:C:TYR:C	1:796:C:TRP:N	1:796:C:TRP:CA	1:796:C:TRP:C	5	1.89
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	8	1.89
(1,113)	1:757:C:TRP:C	1:758:C:ASP:N	1:758:C:ASP:CA	1:758:C:ASP:C	14	1.89
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	15	1.89
(1,58)	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	1:708:C:VAL:N	12	1.89
(1,182)	1:797:C:TRP:N	1:797:C:TRP:CA	1:797:C:TRP:C	1:798:C:ASN:N	7	1.88
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	12	1.88
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	10	1.87
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	3	1.86
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	3	1.86
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	13	1.85
(1,150)	1:781:C:ILE:N	1:781:C:ILE:CA	1:781:C:ILE:C	1:782:C:VAL:N	11	1.85
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	5	1.84
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	15	1.84
(1,93)	1:747:C:ARG:C	1:748:C:LEU:N	1:748:C:LEU:CA	1:748:C:LEU:C	9	1.84
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	6	1.84
(1,179)	1:795:C:TYR:C	1:796:C:TRP:N	1:796:C:TRP:CA	1:796:C:TRP:C	1	1.83
(1,165)	1:788:C:ARG:C	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	7	1.83
(1,121)	1:761:C:ARG:C	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	8	1.83

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	6	1.83
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	4	1.83
(1,175)	1:793:C:LEU:C	1:794:C:LYS:N	1:794:C:LYS:CA	1:794:C:LYS:C	1	1.82
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	3	1.82
(1,188)	1:800:C:LEU:N	1:800:C:LEU:CA	1:800:C:LEU:C	1:801:C:GLN:N	6	1.81
(1,111)	1:756:C:ILE:C	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	2	1.81
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	5	1.81
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	12	1.81
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	14	1.8
(1,120)	1:761:C:ARG:N	1:761:C:ARG:CA	1:761:C:ARG:C	1:762:C:SER:N	1	1.8
(1,93)	1:747:C:ARG:C	1:748:C:LEU:N	1:748:C:LEU:CA	1:748:C:LEU:C	13	1.8
(1,21)	1:688:C:ILE:C	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	2	1.8
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	9	1.79
(1,173)	1:792:C:ALA:C	1:793:C:LEU:N	1:793:C:LEU:CA	1:793:C:LEU:C	14	1.79
(1,162)	1:787:C:ARG:N	1:787:C:ARG:CA	1:787:C:ARG:C	1:788:C:ARG:N	12	1.79
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	11	1.79
(1,121)	1:761:C:ARG:C	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	1	1.79
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	4	1.79
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	14	1.79
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	4	1.78
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1	1.78
(1,254)	1:838:C:ARG:N	1:838:C:ARG:CA	1:838:C:ARG:C	1:839:C:ALA:N	7	1.77
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	9	1.77
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	14	1.77
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	11	1.76
(1,228)	1:820:C:ILE:N	1:820:C:ILE:CA	1:820:C:ILE:C	1:821:C:ALA:N	5	1.76
(1,188)	1:800:C:LEU:N	1:800:C:LEU:CA	1:800:C:LEU:C	1:801:C:GLN:N	4	1.76
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	11	1.76
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	2	1.76
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	6	1.76
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	5	1.76
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	6	1.75
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	6	1.75
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	15	1.74
(1,131)	1:771:C:LEU:C	1:772:C:ARG:N	1:772:C:ARG:CA	1:772:C:ARG:C	14	1.74
(1,67)	1:714:C:PRO:C	1:715:C:LEU:N	1:715:C:LEU:CA	1:715:C:LEU:C	8	1.74
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	13	1.73
(1,160)	1:786:C:GLY:N	1:786:C:GLY:CA	1:786:C:GLY:C	1:787:C:ARG:N	11	1.72
(1,111)	1:756:C:ILE:C	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	3	1.72
(1,67)	1:714:C:PRO:C	1:715:C:LEU:N	1:715:C:LEU:CA	1:715:C:LEU:C	1	1.72
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	14	1.72
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	15	1.72
(1,111)	1:756:C:ILE:C	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	9	1.71
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	10	1.71
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	3	1.71
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	15	1.71
(1,166)	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	1:790:C:TRP:N	11	1.7
(1,179)	1:795:C:TYR:C	1:796:C:TRP:N	1:796:C:TRP:CA	1:796:C:TRP:C	12	1.69
(1,145)	1:778:C:VAL:C	1:779:C:THR:N	1:779:C:THR:CA	1:779:C:THR:C	8	1.69
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	1	1.69
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	13	1.69

Continued on next page...



Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	3	1.69
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	6	1.69
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	12	1.69
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	15	1.68
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	5	1.68
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	8	1.68
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	9	1.67
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	13	1.66
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	15	1.66
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	11	1.66
(1,151)	1:781:C:ILE:C	1:782:C:VAL:N	1:782:C:VAL:CA	1:782:C:VAL:C	6	1.65
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	11	1.65
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	11	1.65
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	5	1.64
(1,228)	1:820:C:ILE:N	1:820:C:ILE:CA	1:820:C:ILE:C	1:821:C:ALA:N	9	1.64
(1,170)	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	1:792:C:ALA:N	13	1.64
(1,143)	1:777:C:ILE:C	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	12	1.64
(1,139)	1:775:C:LEU:C	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	2	1.64
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	7	1.64
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	5	1.64
(1,186)	1:799:C:LEU:N	1:799:C:LEU:CA	1:799:C:LEU:C	1:800:C:LEU:N	15	1.63
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	1	1.63
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	12	1.63
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	13	1.63
(1,143)	1:777:C:ILE:C	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	8	1.62
(1,139)	1:775:C:LEU:C	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	14	1.62
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	4	1.62
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	14	1.62
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	10	1.61
(1,186)	1:799:C:LEU:N	1:799:C:LEU:CA	1:799:C:LEU:C	1:800:C:LEU:N	3	1.61
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	2	1.61
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	13	1.61
(1,162)	1:787:C:ARG:N	1:787:C:ARG:CA	1:787:C:ARG:C	1:788:C:ARG:N	9	1.6
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	11	1.6
(1,182)	1:797:C:TRP:N	1:797:C:TRP:CA	1:797:C:TRP:C	1:798:C:ASN:N	8	1.59
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	15	1.59
(1,109)	1:755:C:LEU:C	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	14	1.59
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	15	1.59
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	15	1.58
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	4	1.58
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	12	1.58
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	12	1.57
(1,228)	1:820:C:ILE:N	1:820:C:ILE:CA	1:820:C:ILE:C	1:821:C:ALA:N	15	1.57
(1,144)	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	1:779:C:THR:N	12	1.57
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	3	1.57
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	2	1.57
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	14	1.57
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	4	1.57
(1,254)	1:838:C:ARG:N	1:838:C:ARG:CA	1:838:C:ARG:C	1:839:C:ALA:N	9	1.56
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	4	1.56
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	6	1.56

Continued on next page...



Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	13	1.56
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	5	1.55
(1,173)	1:792:C:ALA:C	1:793:C:LEU:N	1:793:C:LEU:CA	1:793:C:LEU:C	5	1.55
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	4	1.55
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	15	1.55
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	6	1.55
(1,4)	1:680:C:TRP:N	1:680:C:TRP:CA	1:680:C:TRP:C	1:681:C:TYR:N	4	1.55
(1,161)	1:786:C:GLY:C	1:787:C:ARG:N	1:787:C:ARG:CA	1:787:C:ARG:C	9	1.54
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	5	1.54
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	1	1.53
(1,163)	1:787:C:ARG:C	1:788:C:ARG:N	1:788:C:ARG:CA	1:788:C:ARG:C	12	1.53
(1,139)	1:775:C:LEU:C	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	4	1.53
(1,139)	1:775:C:LEU:C	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	9	1.53
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	5	1.53
(1,186)	1:799:C:LEU:N	1:799:C:LEU:CA	1:799:C:LEU:C	1:800:C:LEU:N	6	1.52
(1,176)	1:794:C:LYS:N	1:794:C:LYS:CA	1:794:C:LYS:C	1:795:C:TYR:N	7	1.52
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	14	1.52
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	14	1.52
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	5	1.52
(1,55)	1:705:C:VAL:C	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	2	1.52
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	9	1.52
(1,183)	1:797:C:TRP:C	1:798:C:ASN:N	1:798:C:ASN:CA	1:798:C:ASN:C	1	1.51
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	14	1.51
(1,164)	1:788:C:ARG:N	1:788:C:ARG:CA	1:788:C:ARG:C	1:789:C:GLY:N	1	1.51
(1,139)	1:775:C:LEU:C	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	11	1.51
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	2	1.51
(1,121)	1:761:C:ARG:C	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	7	1.51
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	11	1.51
(1,150)	1:781:C:ILE:N	1:781:C:ILE:CA	1:781:C:ILE:C	1:782:C:VAL:N	4	1.5
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	5	1.5
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	8	1.49
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	9	1.49
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	7	1.49
(1,186)	1:799:C:LEU:N	1:799:C:LEU:CA	1:799:C:LEU:C	1:800:C:LEU:N	5	1.48
(1,121)	1:761:C:ARG:C	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	11	1.48
(1,120)	1:761:C:ARG:N	1:761:C:ARG:CA	1:761:C:ARG:C	1:762:C:SER:N	6	1.48
(1,111)	1:756:C:ILE:C	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	6	1.48
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	2	1.48
(1,167)	1:789:C:GLY:C	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	11	1.47
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	6	1.47
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	2	1.47
(1,176)	1:794:C:LYS:N	1:794:C:LYS:CA	1:794:C:LYS:C	1:795:C:TYR:N	13	1.46
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	13	1.46
(1,167)	1:789:C:GLY:C	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	5	1.45
(1,166)	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	1:790:C:TRP:N	5	1.45
(1,116)	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	1:760:C:LEU:N	7	1.45
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	12	1.45
(1,110)	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	1:757:C:TRP:N	9	1.45
(1,93)	1:747:C:ARG:C	1:748:C:LEU:N	1:748:C:LEU:CA	1:748:C:LEU:C	6	1.45
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	5	1.45
(1,139)	1:775:C:LEU:C	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	13	1.44

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,58)	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	1:708:C:VAL:N	11	1.44
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	11	1.43
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	7	1.43
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	2	1.43
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	10	1.43
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	15	1.43
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	4	1.43
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	3	1.42
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	11	1.42
(1,246)	1:834:C:GLN:N	1:834:C:GLN:CA	1:834:C:GLN:C	1:835:C:GLY:N	12	1.41
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	2	1.41
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	5	1.41
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	11	1.41
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	2	1.4
(1,143)	1:777:C:ILE:C	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	2	1.4
(1,139)	1:775:C:LEU:C	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	5	1.4
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	7	1.4
(1,83)	1:742:C:ARG:C	1:743:C:ASP:N	1:743:C:ASP:CA	1:743:C:ASP:C	14	1.4
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	12	1.4
(1,253)	1:837:C:SER:C	1:838:C:ARG:N	1:838:C:ARG:CA	1:838:C:ARG:C	12	1.39
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	13	1.39
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	14	1.39
(1,116)	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	1:760:C:LEU:N	1	1.39
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	2	1.39
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	4	1.39
(1,186)	1:799:C:LEU:N	1:799:C:LEU:CA	1:799:C:LEU:C	1:800:C:LEU:N	4	1.38
(1,145)	1:778:C:VAL:C	1:779:C:THR:N	1:779:C:THR:CA	1:779:C:THR:C	2	1.38
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	15	1.38
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	6	1.38
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	8	1.37
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	10	1.37
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	15	1.37
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	9	1.37
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	4	1.37
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	13	1.37
(1,165)	1:788:C:ARG:C	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	1	1.36
(1,151)	1:781:C:ILE:C	1:782:C:VAL:N	1:782:C:VAL:CA	1:782:C:VAL:C	11	1.36
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	2	1.36
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	6	1.36
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	12	1.36
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	9	1.36
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	3	1.36
(1,143)	1:777:C:ILE:C	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	11	1.35
(1,138)	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	1:776:C:LEU:N	1	1.35
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1	1.35
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	12	1.35
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	11	1.35
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	1	1.35
(1,20)	1:688:C:ILE:N	1:688:C:ILE:CA	1:688:C:ILE:C	1:689:C:VAL:N	2	1.35
(1,162)	1:787:C:ARG:N	1:787:C:ARG:CA	1:787:C:ARG:C	1:788:C:ARG:N	14	1.34
(1,145)	1:778:C:VAL:C	1:779:C:THR:N	1:779:C:THR:CA	1:779:C:THR:C	10	1.34

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,115)	1:758:C:ASP:C	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	10	1.34
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	11	1.34
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	15	1.34
(1,150)	1:781:C:ILE:N	1:781:C:ILE:CA	1:781:C:ILE:C	1:782:C:VAL:N	5	1.33
(1,150)	1:781:C:ILE:N	1:781:C:ILE:CA	1:781:C:ILE:C	1:782:C:VAL:N	15	1.33
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	10	1.33
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	10	1.33
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	3	1.32
(1,139)	1:775:C:LEU:C	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	12	1.32
(1,114)	1:758:C:ASP:N	1:758:C:ASP:CA	1:758:C:ASP:C	1:759:C:ASP:N	8	1.32
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	8	1.32
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	9	1.31
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	6	1.3
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	14	1.3
(1,190)	1:801:C:GLN:N	1:801:C:GLN:CA	1:801:C:GLN:C	1:802:C:TYR:N	13	1.3
(1,178)	1:795:C:TYR:N	1:795:C:TYR:CA	1:795:C:TYR:C	1:796:C:TRP:N	8	1.3
(1,113)	1:757:C:TRP:C	1:758:C:ASP:N	1:758:C:ASP:CA	1:758:C:ASP:C	12	1.3
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	9	1.3
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	7	1.3
(1,199)	1:805:C:GLN:C	1:806:C:GLU:N	1:806:C:GLU:CA	1:806:C:GLU:C	7	1.29
(1,167)	1:789:C:GLY:C	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	12	1.29
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	5	1.29
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	9	1.29
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	7	1.29
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	13	1.28
(1,178)	1:795:C:TYR:N	1:795:C:TYR:CA	1:795:C:TYR:C	1:796:C:TRP:N	5	1.28
(1,166)	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	1:790:C:TRP:N	12	1.28
(1,151)	1:781:C:ILE:C	1:782:C:VAL:N	1:782:C:VAL:CA	1:782:C:VAL:C	3	1.28
(1,167)	1:789:C:GLY:C	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	14	1.27
(1,159)	1:785:C:LEU:C	1:786:C:GLY:N	1:786:C:GLY:CA	1:786:C:GLY:C	13	1.27
(1,85)	1:743:C:ASP:C	1:744:C:ARG:N	1:744:C:ARG:CA	1:744:C:ARG:C	9	1.27
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	15	1.27
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	6	1.27
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	10	1.27
(1,253)	1:837:C:SER:C	1:838:C:ARG:N	1:838:C:ARG:CA	1:838:C:ARG:C	13	1.26
(1,174)	1:793:C:LEU:N	1:793:C:LEU:CA	1:793:C:LEU:C	1:794:C:LYS:N	1	1.26
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	10	1.26
(1,164)	1:788:C:ARG:N	1:788:C:ARG:CA	1:788:C:ARG:C	1:789:C:GLY:N	8	1.26
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	8	1.26
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	7	1.26
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	7	1.25
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	15	1.25
(1,186)	1:799:C:LEU:N	1:799:C:LEU:CA	1:799:C:LEU:C	1:800:C:LEU:N	11	1.25
(1,130)	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	1:772:C:ARG:N	8	1.25
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	4	1.25
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	3	1.25
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	3	1.25
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	5	1.25
(1,253)	1:837:C:SER:C	1:838:C:ARG:N	1:838:C:ARG:CA	1:838:C:ARG:C	15	1.24
(1,246)	1:834:C:GLN:N	1:834:C:GLN:CA	1:834:C:GLN:C	1:835:C:GLY:N	2	1.24
(1,138)	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	1:776:C:LEU:N	11	1.24

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,120)	1:761:C:ARG:N	1:761:C:ARG:CA	1:761:C:ARG:C	1:762:C:SER:N	7	1.24
(1,93)	1:747:C:ARG:C	1:748:C:LEU:N	1:748:C:LEU:CA	1:748:C:LEU:C	2	1.24
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	14	1.24
(1,166)	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	1:790:C:TRP:N	7	1.23
(1,163)	1:787:C:ARG:C	1:788:C:ARG:N	1:788:C:ARG:CA	1:788:C:ARG:C	9	1.23
(1,144)	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	1:779:C:THR:N	11	1.23
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	5	1.23
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	6	1.23
(1,93)	1:747:C:ARG:C	1:748:C:LEU:N	1:748:C:LEU:CA	1:748:C:LEU:C	3	1.23
(1,188)	1:800:C:LEU:N	1:800:C:LEU:CA	1:800:C:LEU:C	1:801:C:GLN:N	11	1.22
(1,183)	1:797:C:TRP:C	1:798:C:ASN:N	1:798:C:ASN:CA	1:798:C:ASN:C	14	1.22
(1,117)	1:759:C:ASP:C	1:760:C:LEU:N	1:760:C:LEU:CA	1:760:C:LEU:C	1	1.22
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	5	1.21
(1,163)	1:787:C:ARG:C	1:788:C:ARG:N	1:788:C:ARG:CA	1:788:C:ARG:C	14	1.21
(1,143)	1:777:C:ILE:C	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	6	1.21
(1,131)	1:771:C:LEU:C	1:772:C:ARG:N	1:772:C:ARG:CA	1:772:C:ARG:C	12	1.21
(1,115)	1:758:C:ASP:C	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	9	1.21
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	11	1.21
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1	1.21
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	14	1.21
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	9	1.21
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	12	1.2
(1,110)	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	1:757:C:TRP:N	15	1.2
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	9	1.2
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	13	1.2
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	4	1.19
(1,231)	1:826:C:THR:C	1:827:C:ASP:N	1:827:C:ASP:CA	1:827:C:ASP:C	15	1.19
(1,188)	1:800:C:LEU:N	1:800:C:LEU:CA	1:800:C:LEU:C	1:801:C:GLN:N	15	1.19
(1,179)	1:795:C:TYR:C	1:796:C:TRP:N	1:796:C:TRP:CA	1:796:C:TRP:C	7	1.19
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	7	1.19
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	2	1.19
(1,223)	1:817:C:ALA:C	1:818:C:THR:N	1:818:C:THR:CA	1:818:C:THR:C	5	1.18
(1,102)	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	1:753:C:LEU:N	12	1.18
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	10	1.18
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	9	1.18
(1,199)	1:805:C:GLN:C	1:806:C:GLU:N	1:806:C:GLU:CA	1:806:C:GLU:C	10	1.17
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	6	1.17
(1,144)	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	1:779:C:THR:N	9	1.17
(1,131)	1:771:C:LEU:C	1:772:C:ARG:N	1:772:C:ARG:CA	1:772:C:ARG:C	2	1.17
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	1	1.17
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	14	1.17
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1	1.17
(1,254)	1:838:C:ARG:N	1:838:C:ARG:CA	1:838:C:ARG:C	1:839:C:ALA:N	12	1.16
(1,222)	1:817:C:ALA:N	1:817:C:ALA:CA	1:817:C:ALA:C	1:818:C:THR:N	5	1.16
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	7	1.16
(1,102)	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	1:753:C:LEU:N	3	1.16
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	13	1.16
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	11	1.15
(1,167)	1:789:C:GLY:C	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	10	1.15
(1,109)	1:755:C:LEU:C	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	3	1.15
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	15	1.15

Continued on next page...

Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	4	1.14
(1,149)	1:780:C:ARG:C	1:781:C:ILE:N	1:781:C:ILE:CA	1:781:C:ILE:C	11	1.14
(1,93)	1:747:C:ARG:C	1:748:C:LEU:N	1:748:C:LEU:CA	1:748:C:LEU:C	11	1.14
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	4	1.14
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	12	1.14
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	1	1.13
(1,230)	1:826:C:THR:N	1:826:C:THR:CA	1:826:C:THR:C	1:827:C:ASP:N	1	1.13
(1,218)	1:815:C:LEU:N	1:815:C:LEU:CA	1:815:C:LEU:C	1:816:C:ASN:N	11	1.13
(1,196)	1:804:C:SER:N	1:804:C:SER:CA	1:804:C:SER:C	1:805:C:GLN:N	10	1.13
(1,188)	1:800:C:LEU:N	1:800:C:LEU:CA	1:800:C:LEU:C	1:801:C:GLN:N	5	1.13
(1,176)	1:794:C:LYS:N	1:794:C:LYS:CA	1:794:C:LYS:C	1:795:C:TYR:N	14	1.13
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	11	1.13
(1,58)	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	1:708:C:VAL:N	10	1.13
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	13	1.13
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	6	1.13
(1,182)	1:797:C:TRP:N	1:797:C:TRP:CA	1:797:C:TRP:C	1:798:C:ASN:N	14	1.12
(1,178)	1:795:C:TYR:N	1:795:C:TYR:CA	1:795:C:TYR:C	1:796:C:TRP:N	7	1.12
(1,163)	1:787:C:ARG:C	1:788:C:ARG:N	1:788:C:ARG:CA	1:788:C:ARG:C	10	1.12
(1,158)	1:785:C:LEU:N	1:785:C:LEU:CA	1:785:C:LEU:C	1:786:C:GLY:N	7	1.12
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	4	1.12
(1,9)	1:682:C:ILE:C	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	4	1.12
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	14	1.11
(1,122)	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	1:763:C:LEU:N	1	1.11
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	8	1.11
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	7	1.11
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	7	1.11
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	3	1.1
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	5	1.1
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	4	1.1
(1,183)	1:797:C:TRP:C	1:798:C:ASN:N	1:798:C:ASN:CA	1:798:C:ASN:C	8	1.09
(1,166)	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	1:790:C:TRP:N	14	1.09
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	8	1.09
(1,109)	1:755:C:LEU:C	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	15	1.09
(1,82)	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	1:743:C:ASP:N	12	1.09
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	5	1.09
(1,222)	1:817:C:ALA:N	1:817:C:ALA:CA	1:817:C:ALA:C	1:818:C:THR:N	10	1.08
(1,170)	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	1:792:C:ALA:N	2	1.08
(1,165)	1:788:C:ARG:C	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	3	1.08
(1,165)	1:788:C:ARG:C	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	8	1.08
(1,67)	1:714:C:PRO:C	1:715:C:LEU:N	1:715:C:LEU:CA	1:715:C:LEU:C	2	1.08
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	12	1.08
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	10	1.08
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	13	1.08
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	8	1.08
(1,171)	1:791:C:GLU:C	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	6	1.07
(1,169)	1:790:C:TRP:C	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	9	1.07
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	12	1.07
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	7	1.07
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	15	1.07
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	14	1.07
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	2	1.06

Continued on next page...



Continued from previous page...

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,65)	1:712:C:TYR:C	1:713:C:SER:N	1:713:C:SER:CA	1:713:C:SER:C	2	1.06
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	5	1.06
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	13	1.06
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	11	1.05
(1,227)	1:819:C:ALA:C	1:820:C:ILE:N	1:820:C:ILE:CA	1:820:C:ILE:C	11	1.05
(1,182)	1:797:C:TRP:N	1:797:C:TRP:CA	1:797:C:TRP:C	1:798:C:ASN:N	10	1.05
(1,93)	1:747:C:ARG:C	1:748:C:LEU:N	1:748:C:LEU:CA	1:748:C:LEU:C	1	1.05
(1,170)	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	1:792:C:ALA:N	1	1.04
(1,117)	1:759:C:ASP:C	1:760:C:LEU:N	1:760:C:LEU:CA	1:760:C:LEU:C	7	1.04
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	4	1.04
(1,172)	1:792:C:ALA:N	1:792:C:ALA:CA	1:792:C:ALA:C	1:793:C:LEU:N	12	1.03
(1,167)	1:789:C:GLY:C	1:790:C:TRP:N	1:790:C:TRP:CA	1:790:C:TRP:C	7	1.03
(1,157)	1:784:C:LEU:C	1:785:C:LEU:N	1:785:C:LEU:CA	1:785:C:LEU:C	11	1.03
(1,138)	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	1:776:C:LEU:N	8	1.03
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	14	1.03
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	12	1.03
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	4	1.03
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	13	1.03
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	15	1.03
(1,188)	1:800:C:LEU:N	1:800:C:LEU:CA	1:800:C:LEU:C	1:801:C:GLN:N	3	1.02
(1,166)	1:789:C:GLY:N	1:789:C:GLY:CA	1:789:C:GLY:C	1:790:C:TRP:N	8	1.02
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	4	1.02
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	14	1.02
(1,82)	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	1:743:C:ASP:N	14	1.02
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	4	1.02
(1,55)	1:705:C:VAL:C	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	9	1.02
(1,51)	1:703:C:SER:C	1:704:C:LEU:N	1:704:C:LEU:CA	1:704:C:LEU:C	6	1.02
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	8	1.02
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	15	1.02
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	4	1.02
(1,252)	1:837:C:SER:N	1:837:C:SER:CA	1:837:C:SER:C	1:838:C:ARG:N	5	1.01
(1,222)	1:817:C:ALA:N	1:817:C:ALA:CA	1:817:C:ALA:C	1:818:C:THR:N	9	1.01
(1,183)	1:797:C:TRP:C	1:798:C:ASN:N	1:798:C:ASN:CA	1:798:C:ASN:C	7	1.01
(1,181)	1:796:C:TRP:C	1:797:C:TRP:N	1:797:C:TRP:CA	1:797:C:TRP:C	8	1.01
(1,170)	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	1:792:C:ALA:N	7	1.01
(1,131)	1:771:C:LEU:C	1:772:C:ARG:N	1:772:C:ARG:CA	1:772:C:ARG:C	10	1.01
(1,116)	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	1:760:C:LEU:N	6	1.01
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	4	1.01
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	15	1.01
(1,170)	1:791:C:GLU:N	1:791:C:GLU:CA	1:791:C:GLU:C	1:792:C:ALA:N	11	1.0
(1,112)	1:757:C:TRP:N	1:757:C:TRP:CA	1:757:C:TRP:C	1:758:C:ASP:N	7	1.0
(1,101)	1:751:C:GLY:C	1:752:C:SER:N	1:752:C:SER:CA	1:752:C:SER:C	14	1.0
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	12	1.0
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	5	1.0
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	12	1.0