Full wwPDB NMR Structure Validation Report (i)

Mar 26, 2026 – 06:40 AM UTC

PDB ID	:	7LOI / pdb_00007loi
BMRB ID	:	30856
Title	:	Model of the HIV-1 gp41 membrane-proximal external region, 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*
A user guide is available at
https://www.wwpdb.org/validation/2017/NMRValidationReportHelp
with specific help available everywhere you see the (i) symbol.

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

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

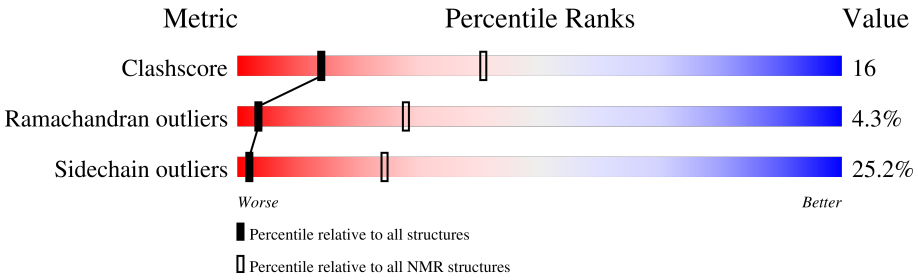
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 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	229148	14424
Ramachandran outliers	224038	12848
Sidechain outliers	223484	12823

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

Mol	Chain	Length	Quality of chain
1	A	197	44% 41% 5% 11%
1	B	197	46% 41% . 11%
1	C	197	50% 38% . 11%

2 Ensemble composition and analysis

This entry contains 15 models. Model 4 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:660-A:716, A:739-A:856, B:660-B:716, B:739-B:856, C:660-C:716, C:739-C:856 (525)	1.58	4

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

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

The models can be grouped into 3 clusters and 1 single-model cluster was found.

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

3 Entry composition

There is only 1 type of molecule in this entry. The entry contains 8940 atoms, of which 4563 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Transmembrane protein gp41.

Mol	Chain	Residues	Atoms					Trace
1	A	175	Total	C	H	N	O	0
			2980	949	1521	267	243	
1	B	175	Total	C	H	N	O	0
			2980	949	1521	267	243	
1	C	175	Total	C	H	N	O	0
			2980	949	1521	267	243	

There are 27 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	674	ASP	ASN	conflict	UNP A0A386YSI0
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	674	ASP	ASN	conflict	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	674	ASP	ASN	conflict	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

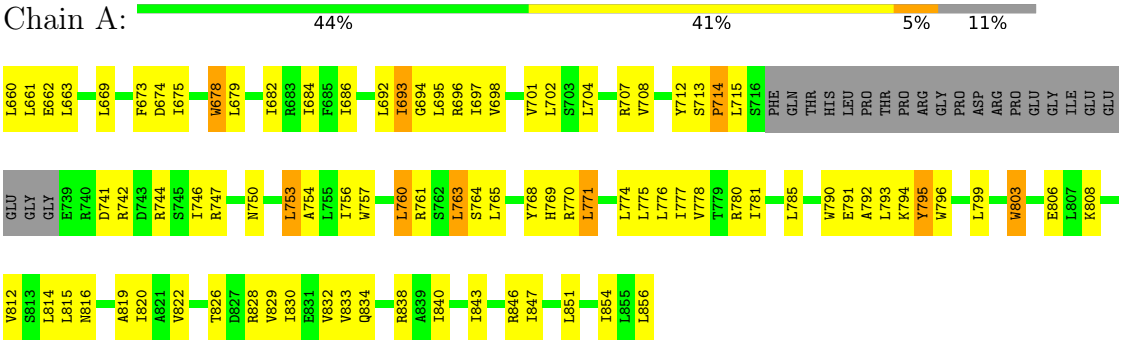
4 Residue-property plots

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.

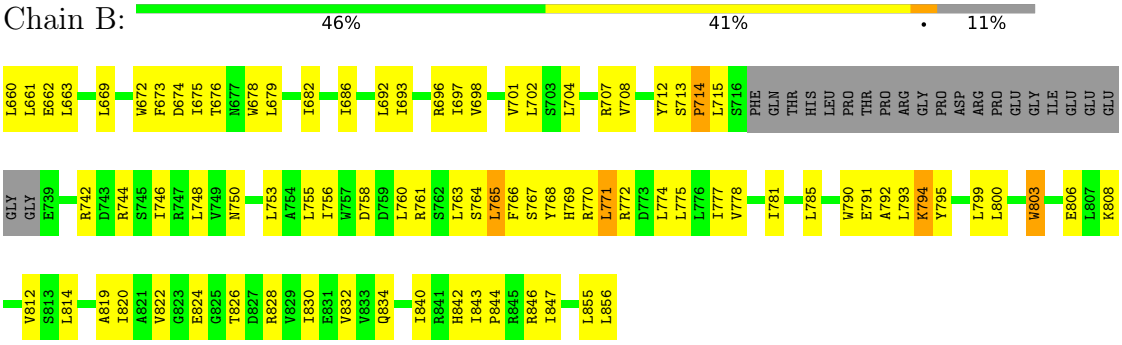
• Molecule 1: Transmembrane protein gp41

Chain A:



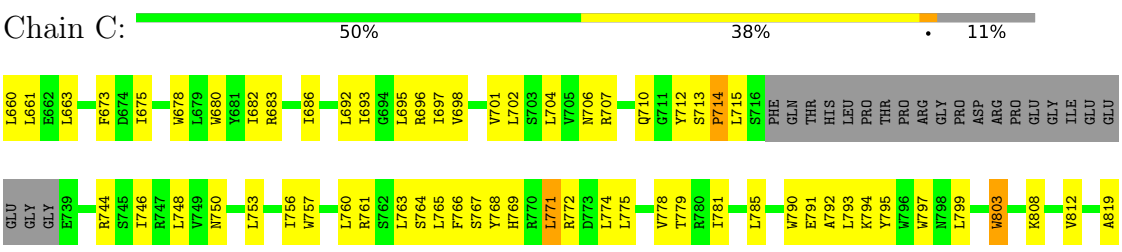
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

Chain C:



4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

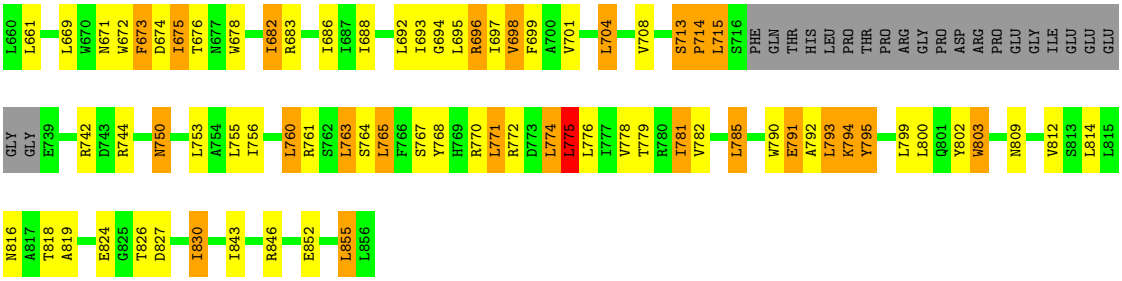
4.2.1 Score per residue for model 1

• Molecule 1: Transmembrane protein gp41

Chain A:

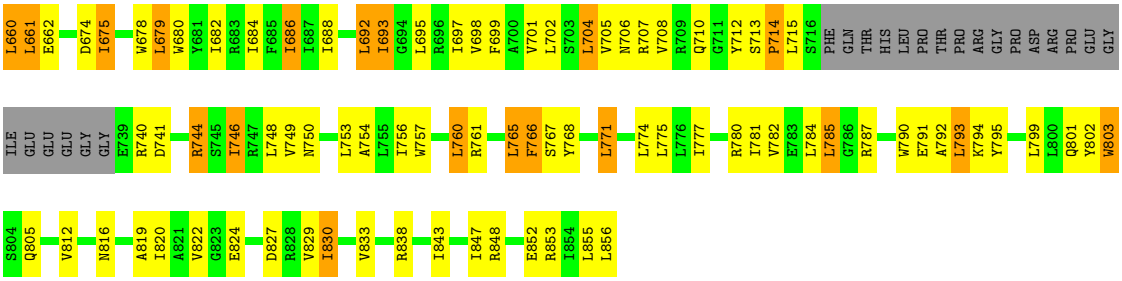
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

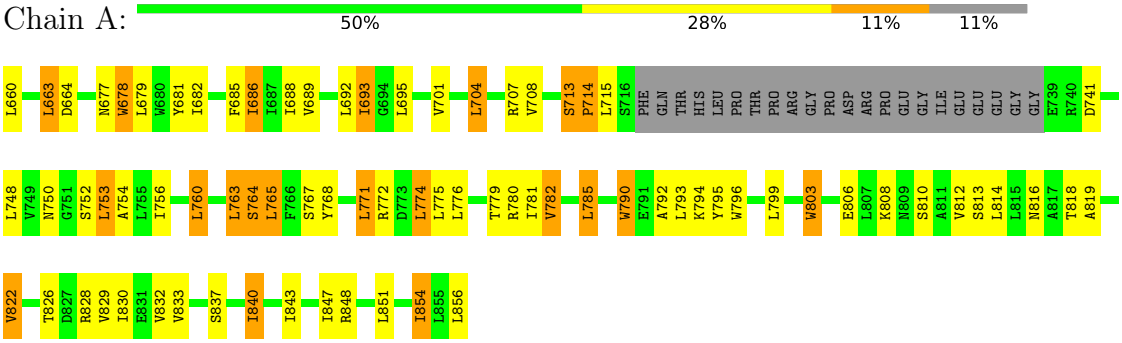
Chain C:



4.2.2 Score per residue for model 2

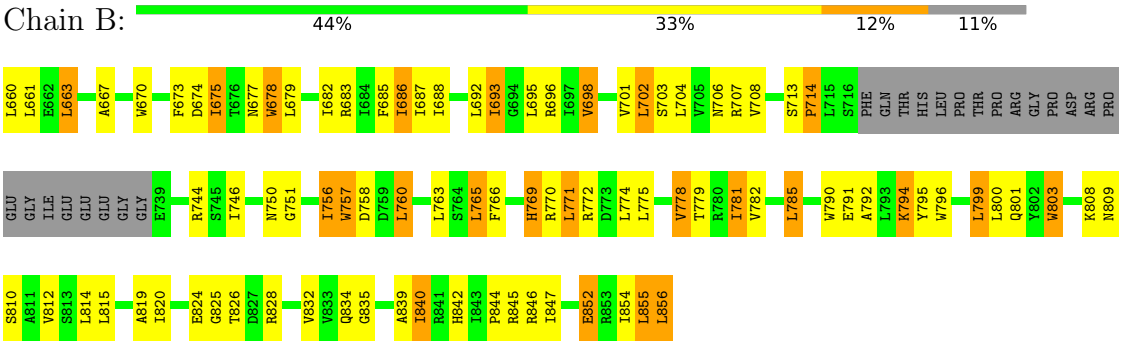
• Molecule 1: Transmembrane protein gp41

Chain A:



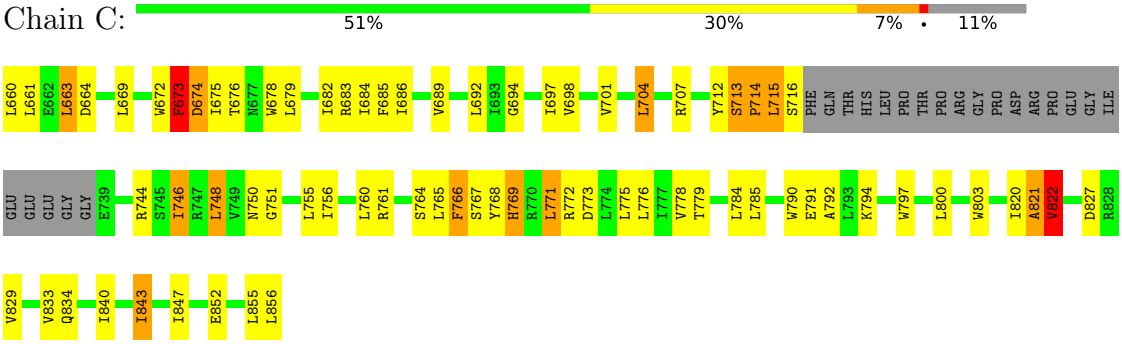
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

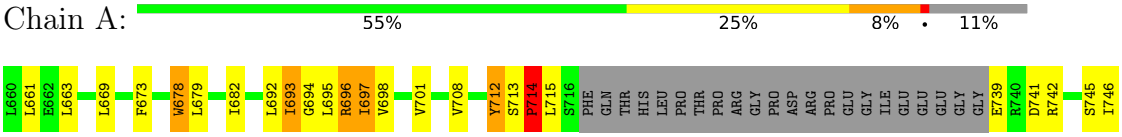
Chain C:



4.2.3 Score per residue for model 3

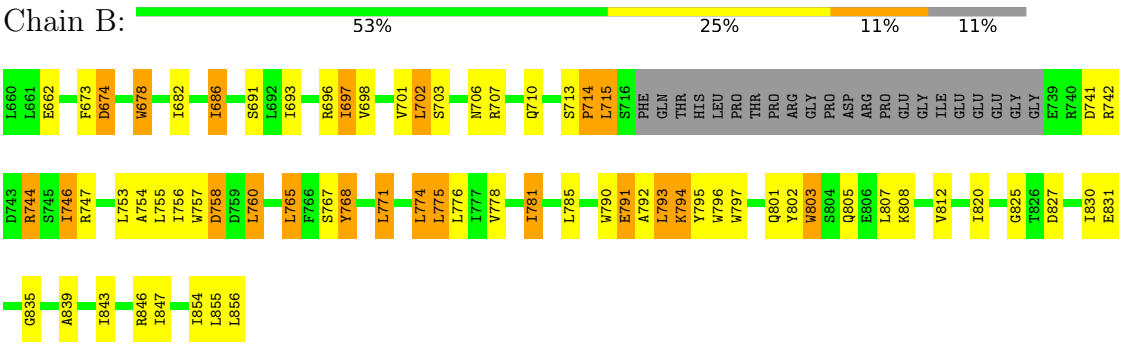
• Molecule 1: Transmembrane protein gp41

Chain A:



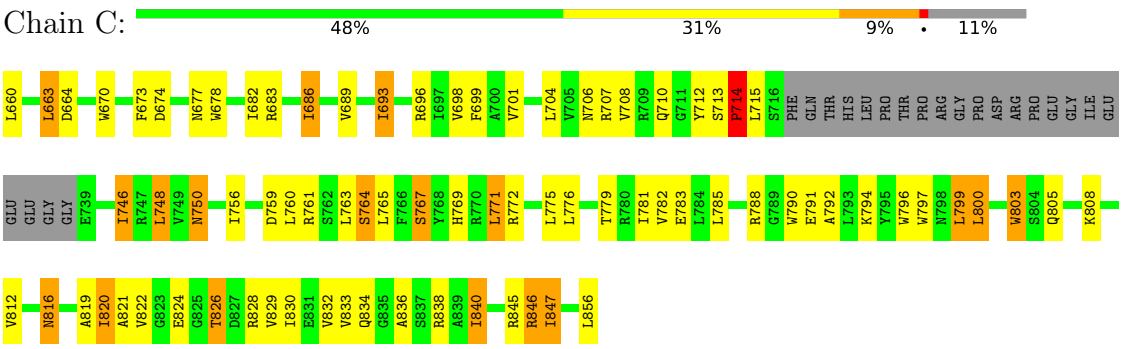
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

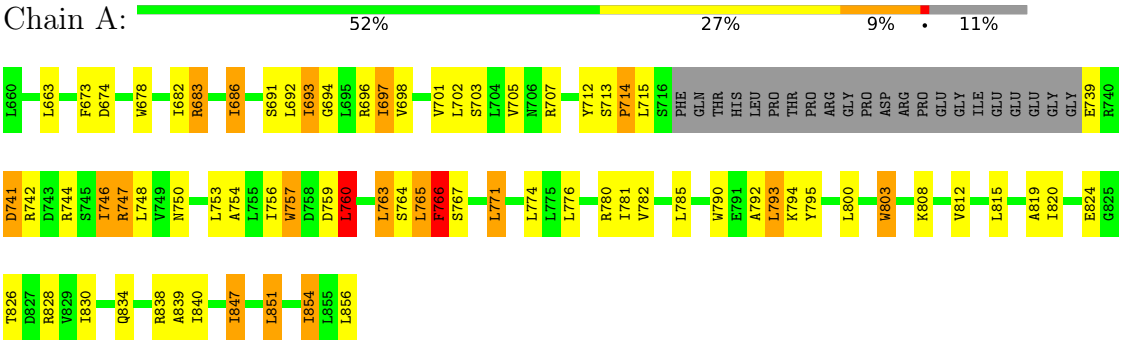
Chain C:



4.2.4 Score per residue for model 4 (medoid)

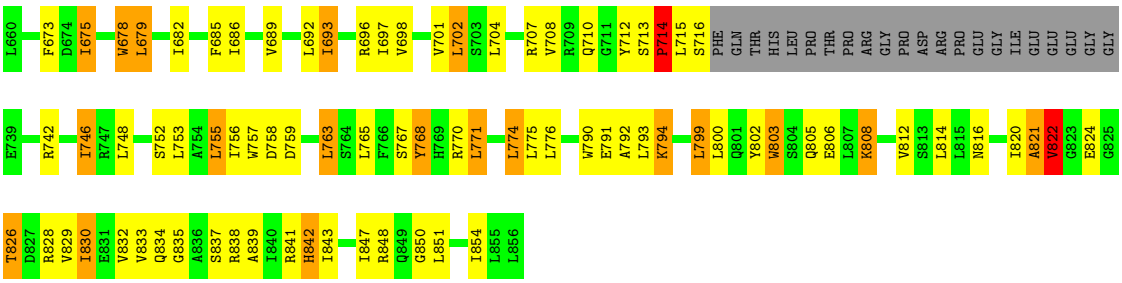
• Molecule 1: Transmembrane protein gp41

Chain A:



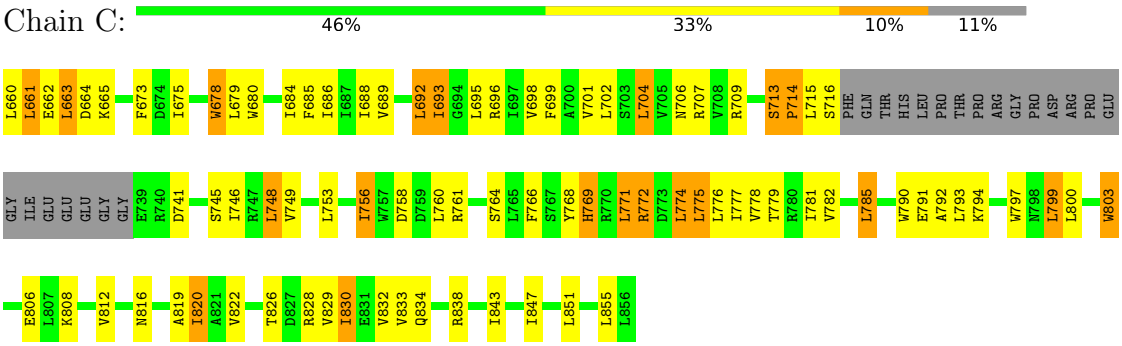
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

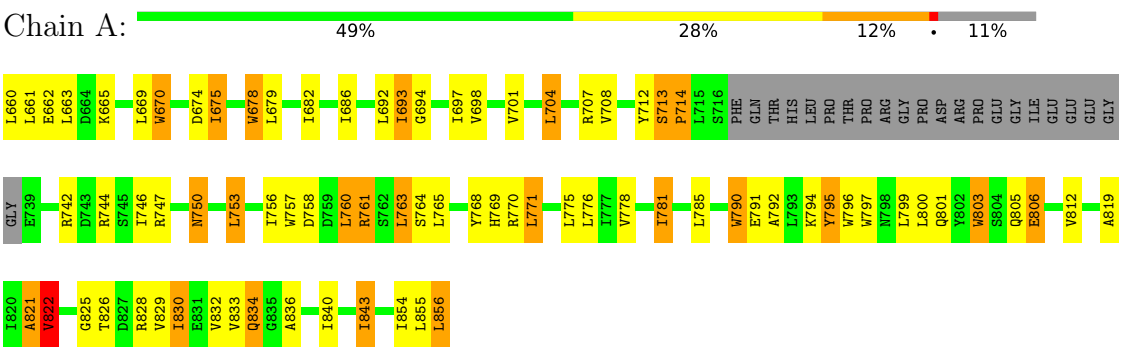
Chain C:



4.2.5 Score per residue for model 5

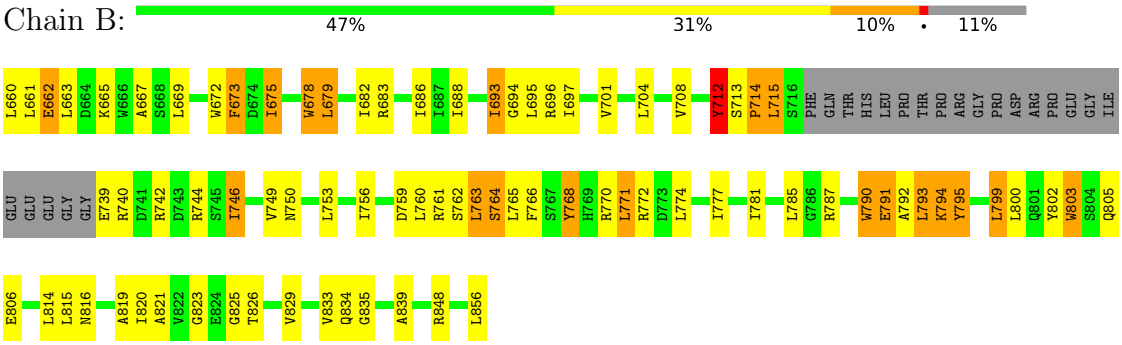
• Molecule 1: Transmembrane protein gp41

Chain A:



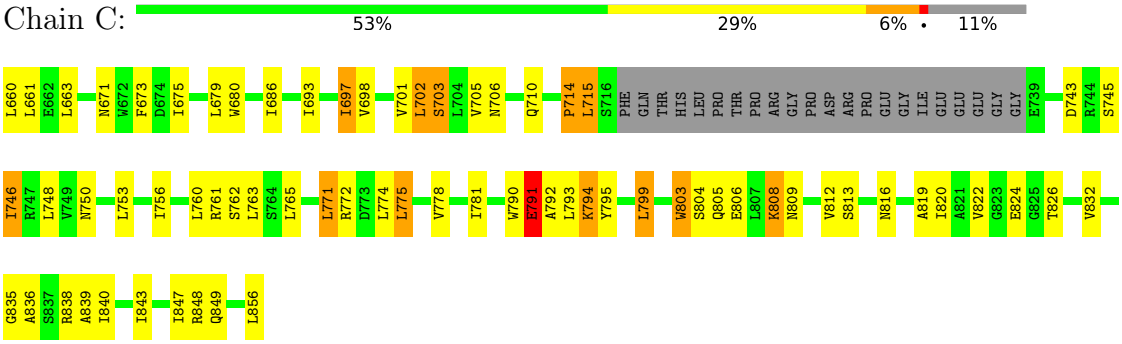
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

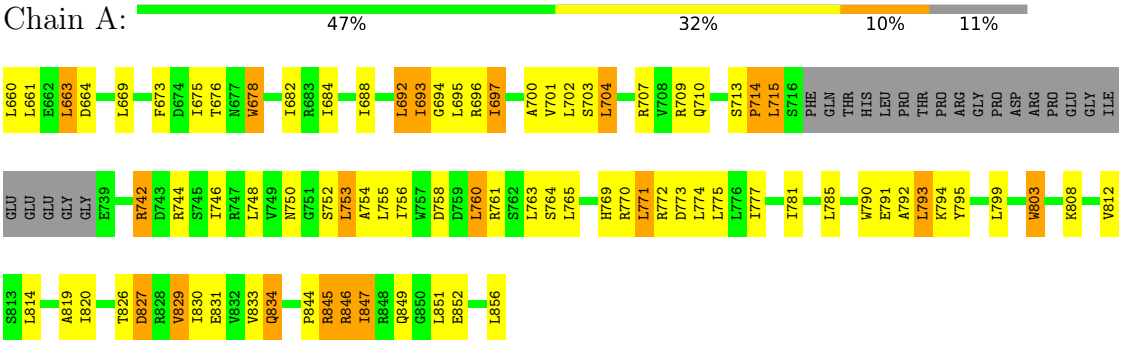
Chain C:



4.2.6 Score per residue for model 6

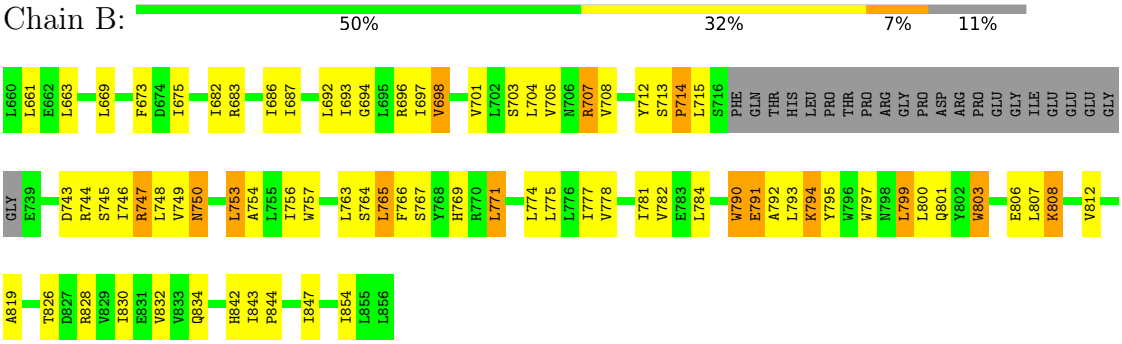
• Molecule 1: Transmembrane protein gp41

Chain A:



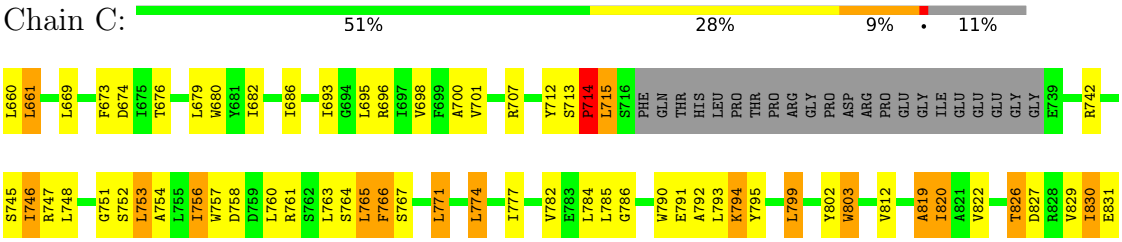
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

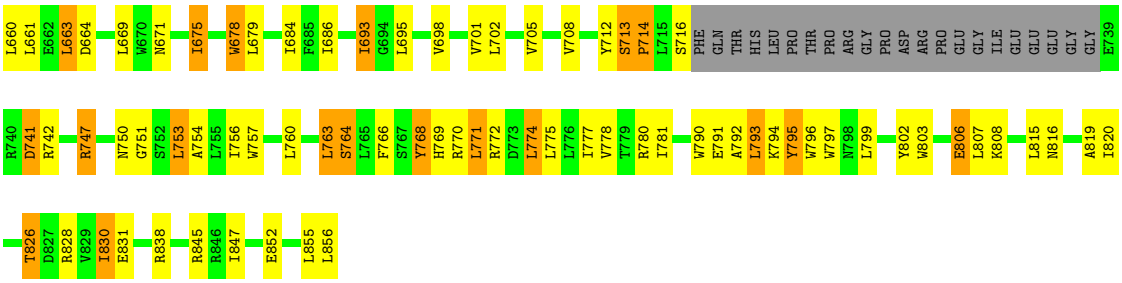
Chain C:



4.2.7 Score per residue for model 7

• Molecule 1: Transmembrane protein gp41

Chain A:

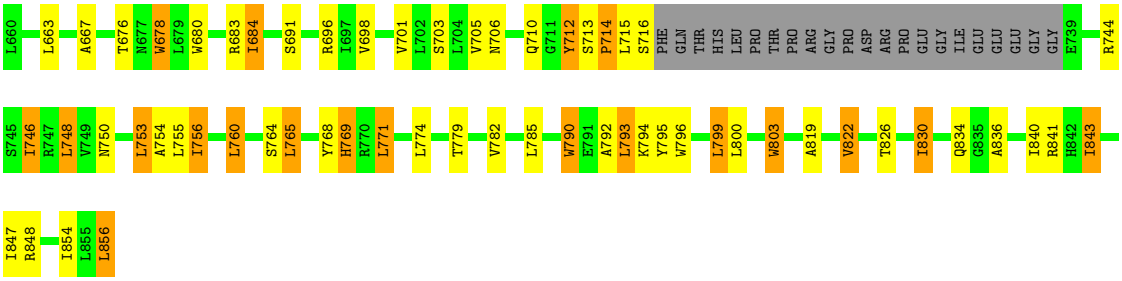


• Molecule 1: Transmembrane protein gp41

Chain B:

• Molecule 1: Transmembrane protein gp41

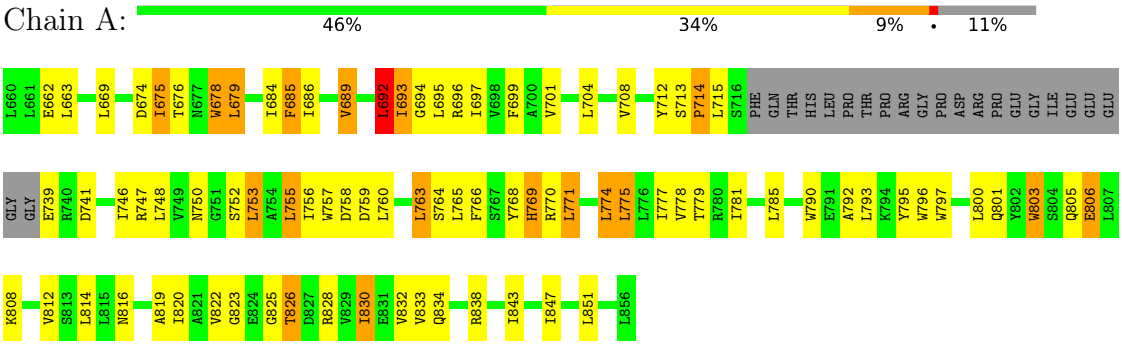
Chain C:



4.2.8 Score per residue for model 8

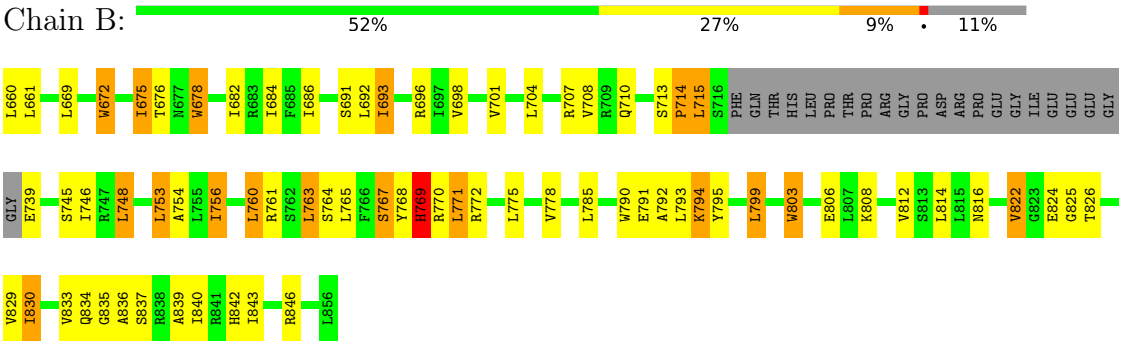
• Molecule 1: Transmembrane protein gp41

Chain A:



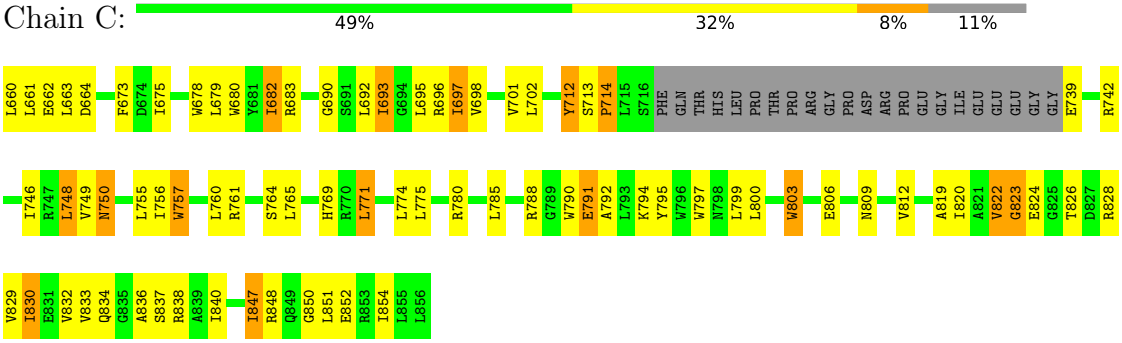
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

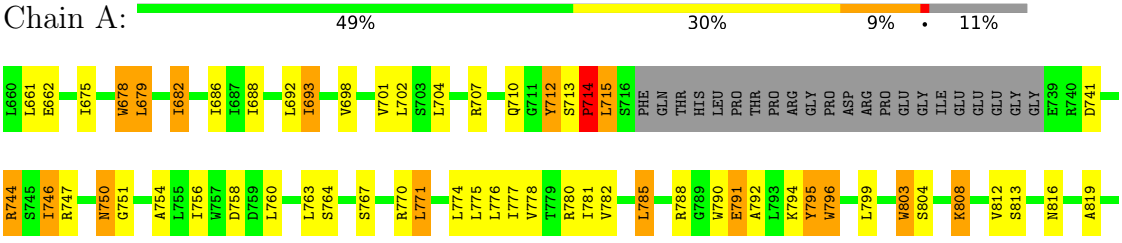
Chain C:



4.2.9 Score per residue for model 9

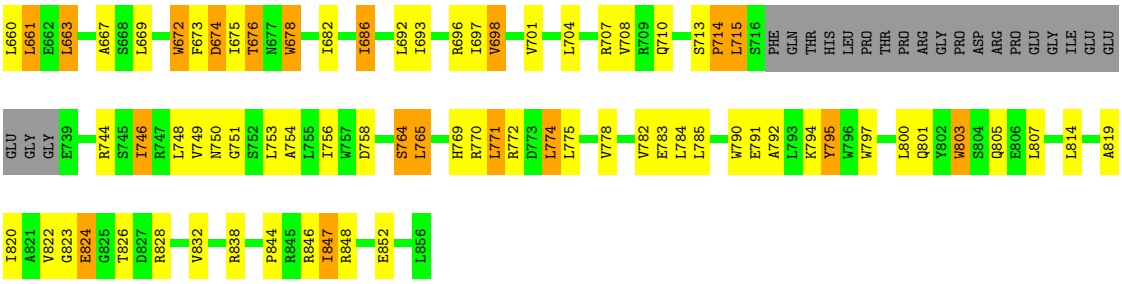
• Molecule 1: Transmembrane protein gp41

Chain A:



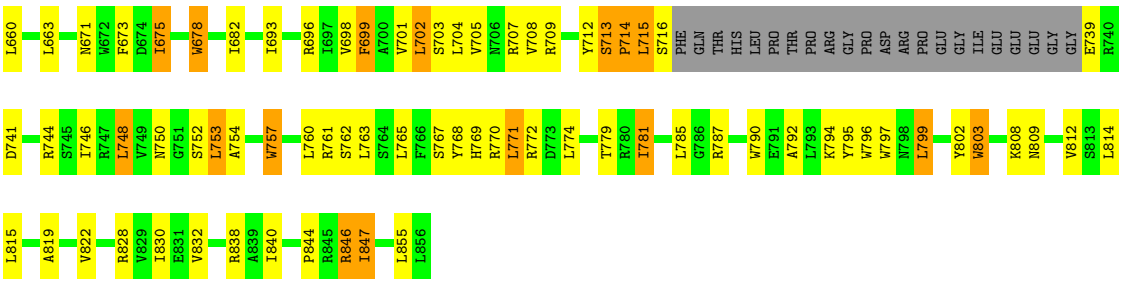
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

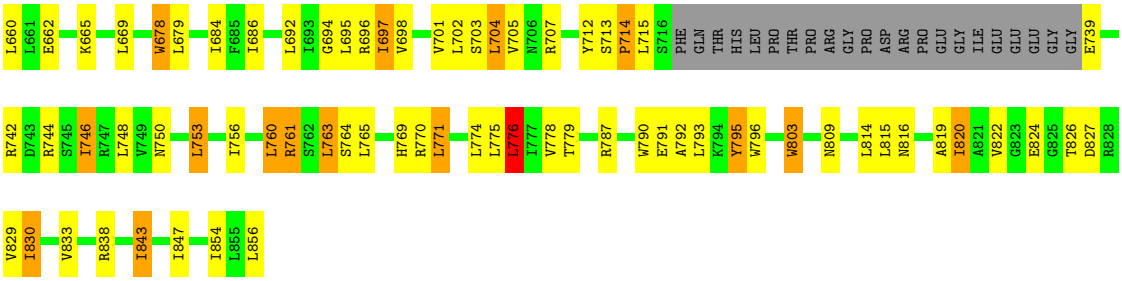
Chain C:



4.2.10 Score per residue for model 10

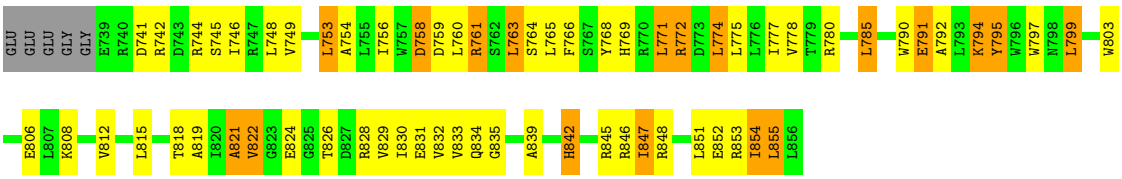
• Molecule 1: Transmembrane protein gp41

Chain A:



• Molecule 1: Transmembrane protein gp41

Chain B:



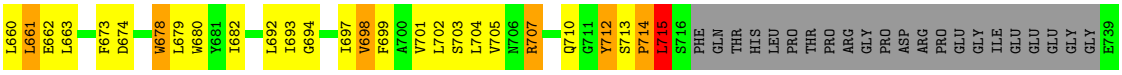
• Molecule 1: Transmembrane protein gp41

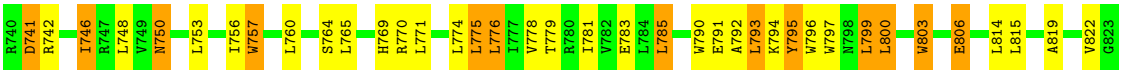
Chain C:

4.2.11 Score per residue for model 11

• Molecule 1: Transmembrane protein gp41

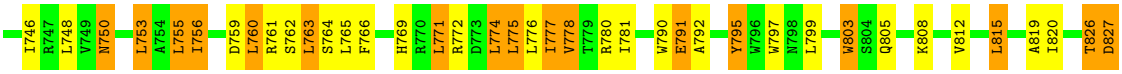
Chain A:

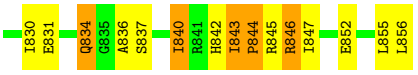




• Molecule 1: Transmembrane protein gp41

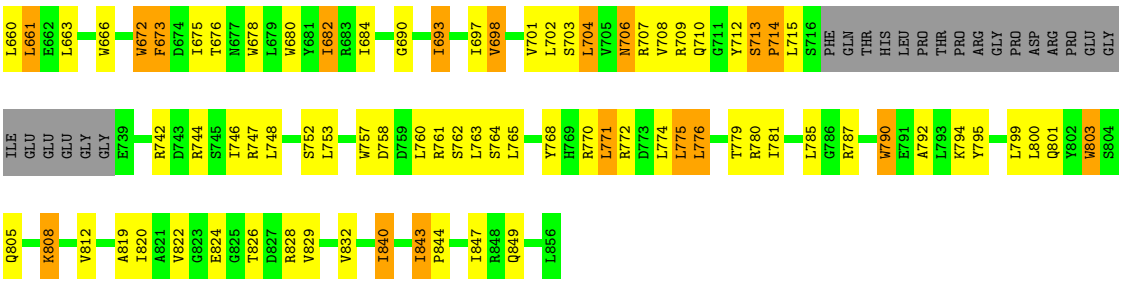
Chain B:





• Molecule 1: Transmembrane protein gp41

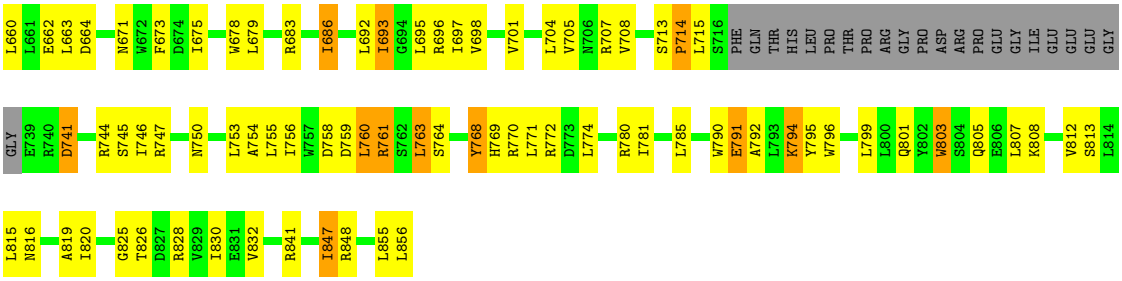
Chain C:



4.2.12 Score per residue for model 12

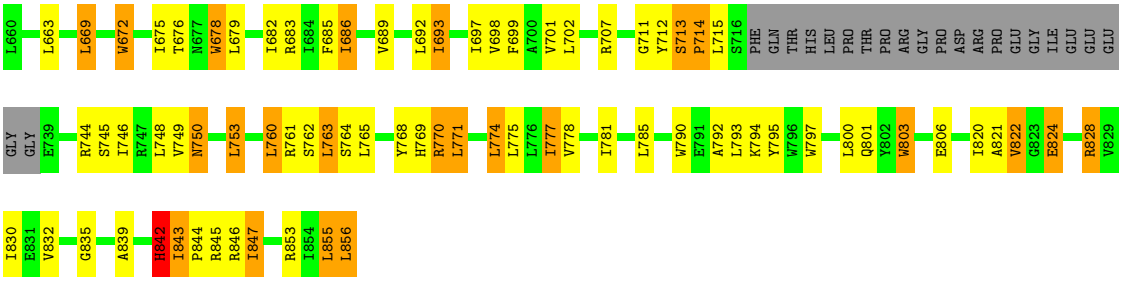
• Molecule 1: Transmembrane protein gp41

Chain A:



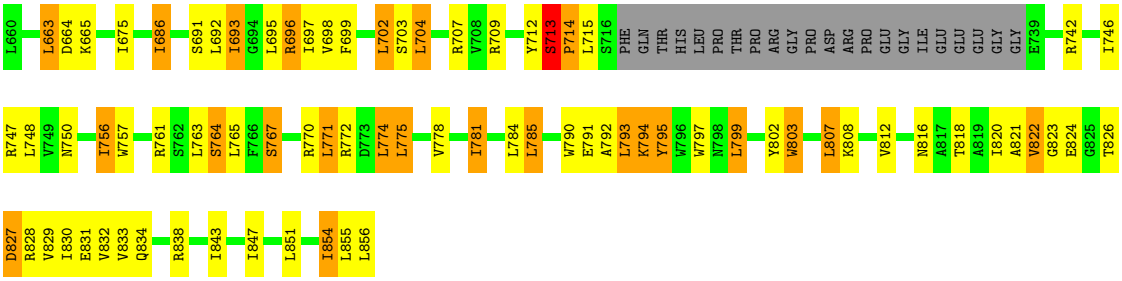
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

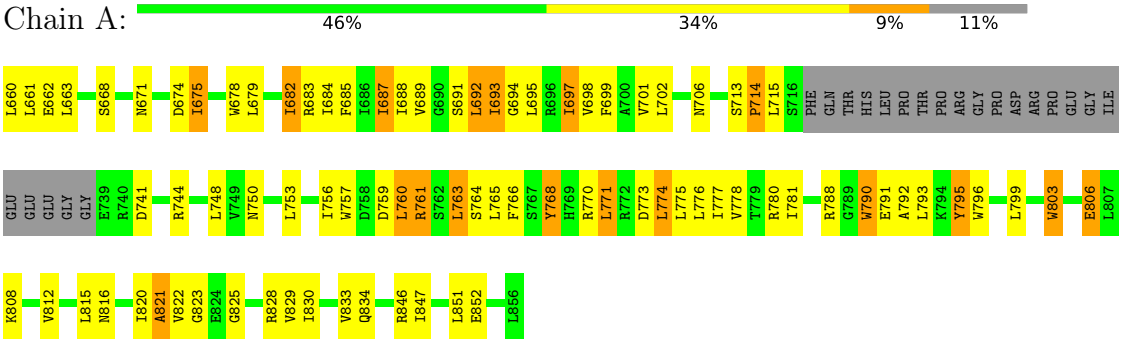
Chain C:



4.2.13 Score per residue for model 13

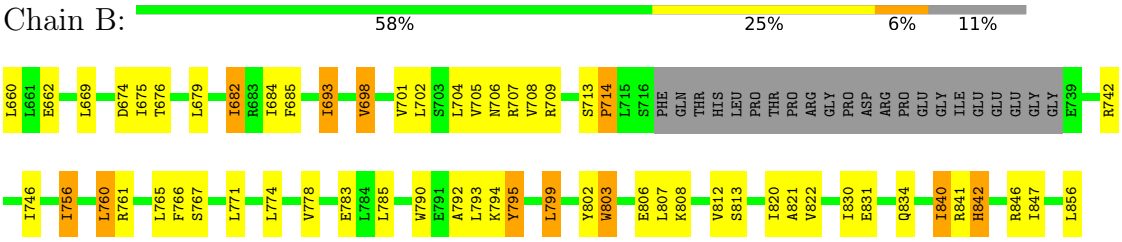
• Molecule 1: Transmembrane protein gp41

Chain A:



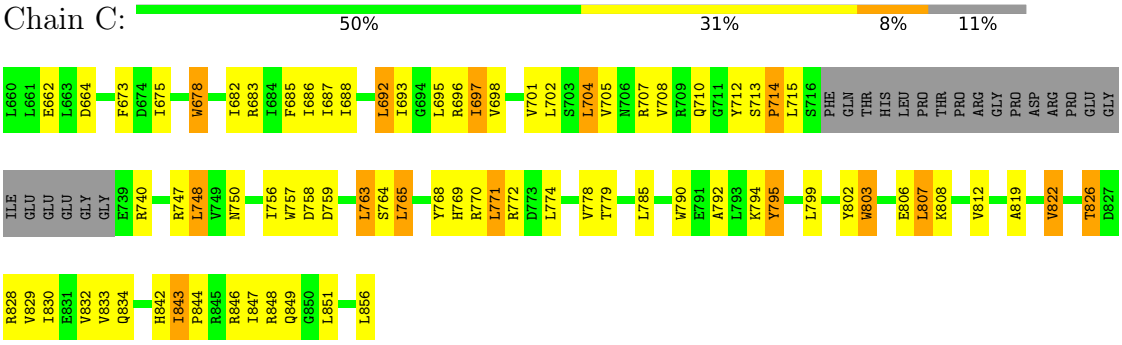
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

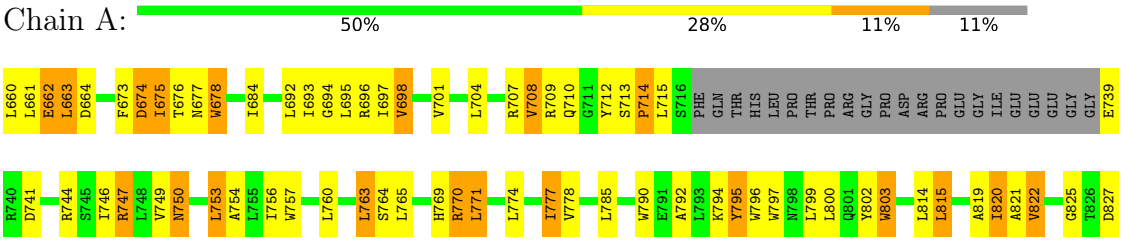
Chain C:

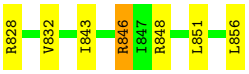


4.2.14 Score per residue for model 14

• Molecule 1: Transmembrane protein gp41

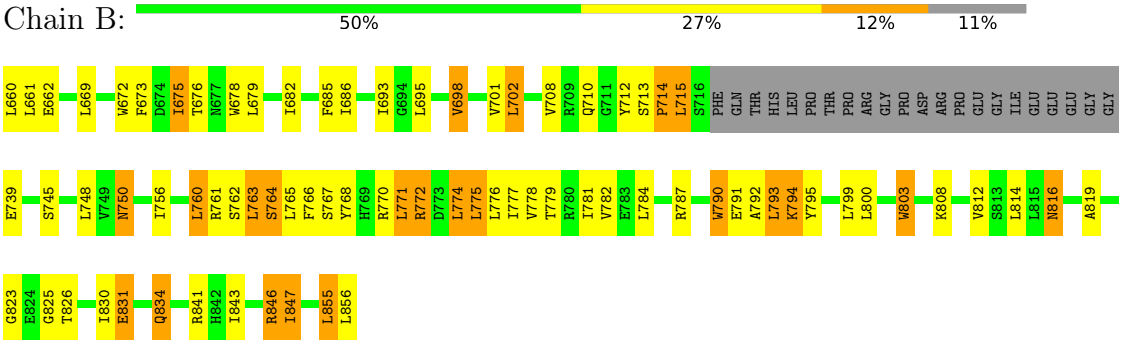
Chain A:





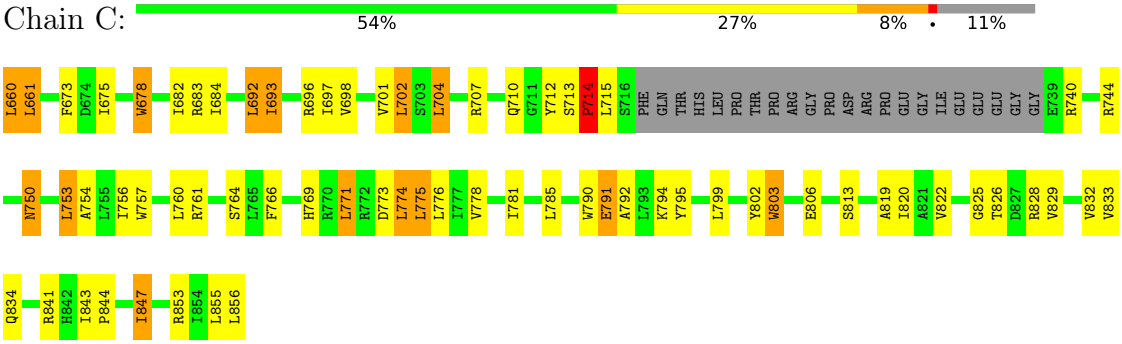
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

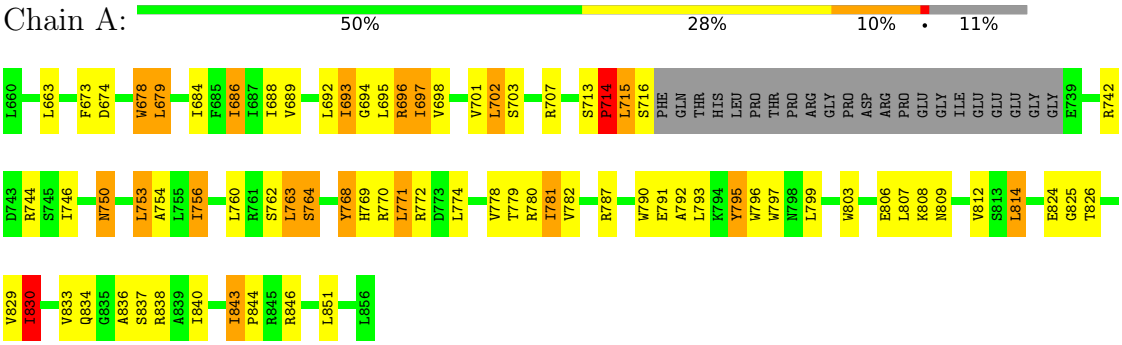
Chain C:



4.2.15 Score per residue for model 15

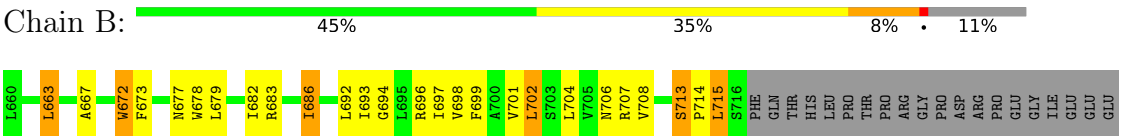
• Molecule 1: Transmembrane protein gp41

Chain A:



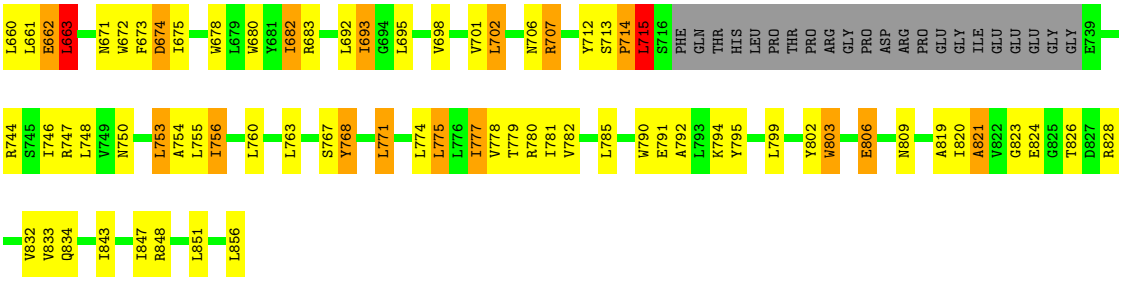
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

Chain C:



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	657
Number of shifts mapped to atoms	622
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

6.1 Standard geometry

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.92±0.02	0±0/1490 (0.0± 0.0%)	1.18±0.01	1±1/2021 (0.1± 0.0%)
1	B	0.92±0.01	0±0/1490 (0.0± 0.0%)	1.16±0.02	1±1/2021 (0.0± 0.0%)
1	C	0.92±0.02	0±0/1490 (0.0± 0.0%)	1.17±0.02	1±1/2021 (0.0± 0.0%)
All	All	0.92	5/67050 (0.0%)	1.17	40/90945 (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±0.2
All	All	0	1

All unique bond 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(Å)	Ideal(Å)	Models	
								Worst	Total
1	C	672	TRP	CA-C	6.50	1.55	1.52	11	1
1	C	791	GLU	CA-C	5.43	1.60	1.52	5	1
1	B	830	ILE	CA-CB	5.40	1.60	1.54	4	1
1	A	830	ILE	CA-CB	5.14	1.60	1.54	15	1
1	B	791	GLU	CA-C	5.00	1.59	1.52	6	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	B	759	ASP	N-CA-C	8.87	120.71	111.14	5	2
1	A	750	ASN	CA-CB-CG	-6.55	106.05	112.60	9	1
1	A	759	ASP	N-CA-C	6.37	118.30	111.36	12	3

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	757	TRP	N-CA-C	6.18	117.81	111.14	7	3
1	C	697	ILE	CB-CA-C	-5.65	104.51	112.14	8	2
1	A	796	TRP	N-CA-C	5.62	118.25	111.40	9	1
1	A	699	PHE	CA-CB-CG	-5.53	108.27	113.80	8	2
1	C	830	ILE	CB-CA-C	-5.52	104.90	111.97	8	1
1	C	777	ILE	CB-CA-C	-5.47	104.76	112.14	15	1
1	C	769	HIS	N-CA-C	-5.44	107.65	114.56	3	1
1	A	829	VAL	N-CA-C	5.44	115.64	110.53	6	1
1	A	776	LEU	N-CA-CB	5.42	118.64	110.30	10	1
1	C	769	HIS	CA-C-N	5.37	128.48	120.31	7	1
1	C	769	HIS	C-N-CA	5.37	128.48	120.31	7	1
1	C	699	PHE	CA-CB-CG	-5.37	108.43	113.80	9	1
1	A	769	HIS	CA-C-N	5.35	128.44	120.31	5	1
1	A	769	HIS	C-N-CA	5.35	128.44	120.31	5	1
1	C	819	ALA	N-CA-C	5.32	116.88	111.14	6	1
1	C	763	LEU	CB-CA-C	-5.31	102.71	110.95	15	1
1	B	775	LEU	N-CA-CB	5.26	118.32	110.22	1	1
1	B	769	HIS	CA-C-N	5.24	128.99	120.60	8	1
1	B	769	HIS	C-N-CA	5.24	128.99	120.60	8	1
1	A	692	LEU	N-CA-CB	5.21	118.35	110.28	8	1
1	B	790	TRP	N-CA-C	5.19	119.10	112.87	5	1
1	B	750	ASN	CA-CB-CG	-5.18	107.42	112.60	1	1
1	B	757	TRP	N-CA-C	5.16	116.71	111.14	15	3
1	C	713	SER	CA-C-N	5.13	126.26	119.84	12	1
1	C	713	SER	C-N-CA	5.13	126.26	119.84	12	1
1	B	795	TYR	N-CA-C	5.11	116.66	111.14	11	1
1	C	746	ILE	CB-CA-C	-5.07	105.30	112.14	10	1
1	A	760	LEU	N-CA-CB	5.04	118.09	110.28	4	1

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	B	770	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	1459	1521	1515	58±6
1	B	1459	1521	1515	56±8
1	C	1459	1521	1515	52±6
All	All	65655	68445	68175	2110

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 16.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:746:ILE:HG23	1:C:781:ILE:HD12	1.00	1.27	11	1
1:C:819:ALA:HB3	1:C:826:THR:HG21	0.97	1.35	14	1
1:B:819:ALA:HB1	1:B:826:THR:HG23	0.90	1.41	1	1
1:A:686:ILE:HD11	1:C:686:ILE:HG21	0.90	1.43	4	4
1:B:669:LEU:HD13	1:B:676:THR:HG21	0.89	1.43	8	1
1:A:781:ILE:HG21	1:B:746:ILE:HG23	0.84	1.46	9	2
1:A:663:LEU:HD21	1:B:660:LEU:HD23	0.83	1.49	13	1
1:A:686:ILE:HG21	1:B:686:ILE:HD12	0.82	1.50	9	1
1:A:753:LEU:HD13	1:A:754:ALA:N	0.82	1.89	14	5
1:C:695:LEU:O	1:C:698:VAL:HG22	0.79	1.78	12	1
1:B:774:LEU:HD13	1:B:777:ILE:HD12	0.79	1.52	6	2
1:A:799:LEU:HD13	1:B:756:ILE:HD11	0.78	1.54	14	2
1:A:763:LEU:HD23	1:A:764:SER:N	0.78	1.93	5	4
1:C:753:LEU:HD13	1:C:754:ALA:N	0.76	1.93	7	4
1:A:760:LEU:HD13	1:A:761:ARG:N	0.76	1.96	12	4
1:C:713:SER:O	1:C:714:PRO:O	0.75	2.04	11	10
1:C:775:LEU:HD13	1:C:776:LEU:N	0.75	1.96	11	2
1:B:698:VAL:O	1:B:701:VAL:HG22	0.74	1.82	15	13
1:C:715:LEU:HD13	1:C:716:SER:N	0.74	1.97	2	1
1:A:763:LEU:HD22	1:A:764:SER:N	0.74	1.97	12	8
1:B:771:LEU:HD23	1:B:772:ARG:N	0.74	1.98	14	2
1:C:678:TRP:O	1:C:682:ILE:HD12	0.73	1.83	8	1
1:A:819:ALA:O	1:A:822:VAL:HG12	0.73	1.83	10	1
1:A:698:VAL:O	1:A:701:VAL:HG22	0.73	1.84	12	11
1:C:698:VAL:O	1:C:701:VAL:HG22	0.73	1.84	2	13
1:A:713:SER:O	1:A:714:PRO:O	0.73	2.06	7	8
1:C:715:LEU:HD13	1:C:715:LEU:O	0.73	1.83	7	2
1:A:819:ALA:HB3	1:A:827:ASP:OD2	0.72	1.84	10	1
1:C:819:ALA:O	1:C:822:VAL:HG22	0.72	1.84	9	7
1:C:771:LEU:HD22	1:C:772:ARG:N	0.72	1.99	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:771:LEU:HD22	1:B:772:ARG:N	0.72	1.98	5	1
1:A:705:VAL:HG11	1:A:748:LEU:HD12	0.72	1.60	11	1
1:C:774:LEU:HD13	1:C:775:LEU:N	0.72	1.99	12	1
1:C:753:LEU:HD13	1:C:754:ALA:H	0.72	1.45	7	3
1:B:777:ILE:HD12	1:B:778:VAL:N	0.72	2.00	14	1
1:B:763:LEU:O	1:B:774:LEU:HD13	0.71	1.84	1	1
1:B:822:VAL:HG12	1:B:826:THR:HG22	0.71	1.60	8	1
1:C:704:LEU:O	1:C:708:VAL:HG23	0.71	1.85	13	4
1:B:795:TYR:CG	1:C:756:ILE:HG21	0.71	2.21	15	2
1:A:753:LEU:HD22	1:A:753:LEU:C	0.71	2.11	6	4
1:A:750:ASN:ND2	1:C:785:LEU:HD22	0.71	2.01	3	3
1:B:763:LEU:HD22	1:B:764:SER:N	0.71	2.01	12	6
1:B:795:TYR:CD2	1:C:756:ILE:HG21	0.71	2.21	15	1
1:A:746:ILE:HG21	1:C:781:ILE:CG2	0.71	2.15	1	4
1:B:764:SER:CB	1:B:771:LEU:HD12	0.71	2.16	10	3
1:B:781:ILE:CG2	1:C:746:ILE:HG21	0.71	2.16	12	2
1:C:748:LEU:HD13	1:C:749:VAL:N	0.70	2.01	4	2
1:A:693:ILE:HD13	1:A:694:GLY:N	0.70	2.01	3	1
1:B:777:ILE:HD13	1:B:778:VAL:N	0.70	2.01	12	3
1:B:763:LEU:O	1:B:774:LEU:HD21	0.70	1.87	2	1
1:A:707:ARG:CB	1:C:704:LEU:HD11	0.70	2.16	4	1
1:C:663:LEU:HD13	1:C:664:ASP:N	0.70	2.02	4	3
1:A:764:SER:CB	1:A:771:LEU:HD22	0.70	2.16	13	1
1:A:746:ILE:HG21	1:C:781:ILE:HG23	0.69	1.64	15	3
1:B:760:LEU:O	1:B:760:LEU:HD22	0.69	1.87	11	7
1:A:771:LEU:HD22	1:A:772:ARG:N	0.69	2.02	15	1
1:A:819:ALA:HB1	1:A:826:THR:CG2	0.69	2.17	9	1
1:B:667:ALA:HB2	1:C:660:LEU:HD11	0.69	1.63	2	1
1:B:715:LEU:HD12	1:B:716:SER:N	0.69	2.02	4	1
1:B:715:LEU:HD22	1:B:715:LEU:O	0.69	1.87	9	2
1:B:797:TRP:CG	1:B:847:ILE:HD11	0.69	2.23	12	1
1:A:777:ILE:HD13	1:A:778:VAL:N	0.69	2.03	14	1
1:A:756:ILE:HD11	1:C:796:TRP:CD1	0.69	2.22	7	1
1:B:751:GLY:O	1:C:715:LEU:HD12	0.69	1.87	7	1
1:C:695:LEU:HD22	1:C:695:LEU:C	0.69	2.12	10	1
1:B:702:LEU:C	1:B:702:LEU:HD13	0.69	2.13	2	6
1:B:795:TYR:CB	1:C:756:ILE:HG21	0.69	2.18	14	2
1:A:685:PHE:O	1:A:689:VAL:HG22	0.69	1.88	8	1
1:A:799:LEU:CD1	1:B:756:ILE:HD11	0.69	2.18	14	1
1:C:771:LEU:HD13	1:C:772:ARG:H	0.69	1.47	4	1
1:B:713:SER:O	1:B:714:PRO:O	0.68	2.11	10	11

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:760:LEU:HD13	1:B:761:ARG:N	0.68	2.04	14	5
1:C:771:LEU:H	1:C:771:LEU:HD23	0.68	1.47	15	2
1:A:715:LEU:O	1:A:715:LEU:HD13	0.68	1.89	15	3
1:C:819:ALA:O	1:C:822:VAL:HG12	0.68	1.89	11	3
1:A:781:ILE:HD13	1:B:746:ILE:CG1	0.68	2.17	3	1
1:A:781:ILE:HG21	1:B:746:ILE:CG2	0.68	2.17	9	3
1:A:660:LEU:O	1:C:663:LEU:HD22	0.68	1.87	5	1
1:A:771:LEU:H	1:A:771:LEU:HD13	0.68	1.48	15	8
1:B:753:LEU:HD13	1:B:754:ALA:N	0.68	2.04	7	2
1:C:763:LEU:HD22	1:C:764:SER:N	0.68	2.04	10	1
1:A:756:ILE:O	1:A:760:LEU:HD12	0.68	1.88	12	3
1:A:685:PHE:O	1:A:689:VAL:HG23	0.68	1.88	1	3
1:B:751:GLY:CA	1:C:715:LEU:HD11	0.68	2.19	2	1
1:B:669:LEU:HD13	1:B:669:LEU:O	0.67	1.89	1	2
1:B:686:ILE:HG21	1:C:686:ILE:HD11	0.67	1.67	2	2
1:A:757:TRP:CZ3	1:B:715:LEU:HD13	0.67	2.24	4	1
1:B:775:LEU:O	1:B:775:LEU:HD22	0.67	1.89	11	2
1:B:803:TRP:CH2	1:C:760:LEU:HD22	0.67	2.23	4	1
1:B:852:GLU:O	1:B:855:LEU:HD12	0.67	1.90	2	1
1:A:693:ILE:HD11	1:B:696:ARG:NE	0.67	2.05	7	5
1:A:746:ILE:HG23	1:C:781:ILE:CD1	0.67	2.12	11	1
1:A:694:GLY:O	1:A:697:ILE:HD12	0.67	1.89	3	3
1:B:806:GLU:CD	1:C:771:LEU:HD21	0.67	2.14	12	1
1:C:748:LEU:HD22	1:C:748:LEU:O	0.67	1.90	8	2
1:B:669:LEU:CD1	1:B:676:THR:HG21	0.67	2.20	8	1
1:B:704:LEU:HD11	1:C:707:ARG:CB	0.67	2.20	2	1
1:B:682:ILE:HD12	1:B:683:ARG:N	0.67	2.04	1	6
1:B:775:LEU:O	1:B:778:VAL:HG22	0.67	1.90	6	5
1:B:781:ILE:HG23	1:C:746:ILE:HG21	0.67	1.67	12	1
1:C:702:LEU:HD22	1:C:702:LEU:O	0.66	1.90	12	3
1:C:830:ILE:H	1:C:830:ILE:HD13	0.66	1.49	6	1
1:A:756:ILE:HD13	1:C:796:TRP:NE1	0.66	2.05	9	1
1:B:750:ASN:O	1:B:753:LEU:HD12	0.66	1.90	11	1
1:B:678:TRP:O	1:B:682:ILE:HG23	0.66	1.90	1	8
1:B:704:LEU:O	1:B:708:VAL:HG23	0.66	1.90	15	3
1:A:705:VAL:HG21	1:A:748:LEU:HD12	0.66	1.68	10	2
1:A:675:ILE:HD13	1:A:675:ILE:O	0.66	1.90	7	4
1:C:797:TRP:CD1	1:C:847:ILE:HD11	0.66	2.25	12	2
1:C:774:LEU:O	1:C:774:LEU:HD22	0.66	1.91	12	1
1:A:682:ILE:HD12	1:A:683:ARG:N	0.66	2.06	4	1
1:B:793:LEU:HD13	1:B:793:LEU:O	0.66	1.91	13	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:785:LEU:HD23	1:C:750:ASN:OD1	0.66	1.89	5	1
1:B:779:THR:O	1:B:782:VAL:HG22	0.65	1.91	14	2
1:B:795:TYR:HB3	1:C:756:ILE:HG21	0.65	1.67	14	2
1:A:791:GLU:O	1:A:794:LYS:HG3	0.65	1.91	12	1
1:C:760:LEU:HD22	1:C:760:LEU:O	0.65	1.91	1	1
1:A:785:LEU:HD13	1:A:785:LEU:O	0.65	1.90	14	3
1:A:803:TRP:CH2	1:B:760:LEU:HD23	0.65	2.26	13	1
1:B:781:ILE:HD12	1:B:782:VAL:N	0.65	2.07	6	1
1:A:663:LEU:HD22	1:A:663:LEU:O	0.65	1.90	14	1
1:A:819:ALA:O	1:A:826:THR:HG21	0.65	1.91	2	2
1:B:753:LEU:HD22	1:B:754:ALA:N	0.65	2.07	6	1
1:A:802:TYR:CD1	1:B:760:LEU:HD21	0.65	2.26	7	1
1:A:829:VAL:O	1:A:833:VAL:HG22	0.65	1.91	1	6
1:A:754:ALA:CB	1:B:715:LEU:HD11	0.65	2.21	4	1
1:B:675:ILE:HD13	1:B:675:ILE:O	0.65	1.92	8	2
1:A:776:LEU:HD13	1:A:776:LEU:H	0.65	1.51	10	1
1:C:746:ILE:O	1:C:749:VAL:HG22	0.64	1.92	8	2
1:B:755:LEU:HD13	1:B:755:LEU:O	0.64	1.93	7	2
1:A:663:LEU:HD12	1:A:664:ASP:N	0.64	2.07	12	1
1:A:763:LEU:HD23	1:A:764:SER:H	0.64	1.52	8	1
1:C:812:VAL:HG12	1:C:834:GLN:CD	0.64	2.17	8	1
1:B:702:LEU:O	1:B:702:LEU:HD22	0.64	1.92	14	3
1:A:755:LEU:HD13	1:A:756:ILE:N	0.64	2.06	8	1
1:A:750:ASN:OD1	1:C:785:LEU:HD23	0.64	1.91	10	1
1:A:715:LEU:HD12	1:C:754:ALA:O	0.64	1.92	15	1
1:A:753:LEU:HD23	1:C:791:GLU:HB3	0.64	1.67	6	3
1:A:763:LEU:H	1:A:763:LEU:HD13	0.64	1.50	4	8
1:A:775:LEU:O	1:A:778:VAL:HG12	0.64	1.91	5	7
1:A:854:ILE:O	1:A:854:ILE:HD13	0.64	1.92	4	2
1:A:816:ASN:N	1:A:830:ILE:HD11	0.64	2.06	13	2
1:B:669:LEU:HD11	1:B:675:ILE:HG23	0.64	1.69	9	1
1:C:764:SER:OG	1:C:771:LEU:HD12	0.64	1.92	3	3
1:C:822:VAL:HG21	1:C:826:THR:HG21	0.64	1.69	8	1
1:C:715:LEU:C	1:C:715:LEU:HD22	0.64	2.18	9	1
1:C:775:LEU:O	1:C:778:VAL:HG22	0.64	1.93	4	4
1:B:855:LEU:HD22	1:B:855:LEU:O	0.63	1.93	2	2
1:A:799:LEU:O	1:A:803:TRP:CE3	0.63	2.51	3	4
1:B:760:LEU:C	1:B:760:LEU:HD13	0.63	2.19	3	4
1:C:799:LEU:HD23	1:C:800:LEU:N	0.63	2.08	3	1
1:C:771:LEU:H	1:C:771:LEU:HD13	0.63	1.52	10	7
1:A:774:LEU:O	1:A:777:ILE:HG22	0.63	1.92	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:797:TRP:NE1	1:C:847:ILE:HD11	0.63	2.08	9	1
1:C:692:LEU:HD23	1:C:693:ILE:N	0.63	2.07	14	1
1:B:682:ILE:HD13	1:B:682:ILE:C	0.63	2.18	13	1
1:A:715:LEU:HD12	1:C:751:GLY:CA	0.63	2.23	2	1
1:A:750:ASN:ND2	1:C:785:LEU:HD23	0.63	2.09	2	6
1:A:756:ILE:CG2	1:A:760:LEU:HD12	0.63	2.22	6	1
1:B:764:SER:HB3	1:B:771:LEU:HD12	0.63	1.70	7	4
1:A:755:LEU:HD22	1:A:755:LEU:O	0.63	1.93	8	1
1:B:799:LEU:HD23	1:B:800:LEU:N	0.63	2.08	2	1
1:A:756:ILE:HD13	1:C:795:TYR:HB3	0.63	1.68	10	2
1:C:768:TYR:CD2	1:C:771:LEU:HD11	0.63	2.28	13	1
1:C:675:ILE:O	1:C:675:ILE:HD13	0.63	1.94	10	3
1:B:785:LEU:HD23	1:C:750:ASN:ND2	0.63	2.09	15	2
1:C:678:TRP:O	1:C:682:ILE:HG23	0.63	1.94	15	2
1:C:819:ALA:HB1	1:C:826:THR:CG2	0.63	2.23	11	1
1:B:756:ILE:HD13	1:B:756:ILE:O	0.63	1.93	2	2
1:C:828:ARG:O	1:C:832:VAL:HG23	0.63	1.94	13	4
1:C:776:LEU:O	1:C:779:THR:HG22	0.63	1.94	4	2
1:B:686:ILE:HG21	1:C:686:ILE:CD1	0.63	2.24	5	1
1:A:760:LEU:O	1:A:763:LEU:HD22	0.62	1.94	4	1
1:A:793:LEU:HD21	1:A:847:ILE:HG12	0.62	1.72	4	1
1:A:806:GLU:CB	1:B:771:LEU:HD21	0.62	2.23	8	2
1:C:816:ASN:OD1	1:C:830:ILE:HD12	0.62	1.94	1	2
1:A:750:ASN:CG	1:C:785:LEU:HD22	0.62	2.19	9	2
1:B:702:LEU:HD13	1:B:703:SER:N	0.62	2.09	7	3
1:C:816:ASN:O	1:C:820:ILE:HD12	0.62	1.94	5	2
1:C:826:THR:O	1:C:829:VAL:HG12	0.62	1.94	8	3
1:C:675:ILE:HG22	1:C:679:LEU:CD1	0.62	2.25	4	1
1:A:747:ARG:NH1	1:A:754:ALA:HB2	0.62	2.09	7	1
1:A:806:GLU:HB3	1:B:771:LEU:HD11	0.62	1.72	13	1
1:A:797:TRP:CD1	1:A:847:ILE:HD11	0.62	2.29	3	1
1:C:708:VAL:HG12	1:C:741:ASP:OD2	0.62	1.94	1	1
1:C:748:LEU:HD13	1:C:748:LEU:O	0.62	1.92	11	5
1:B:795:TYR:HB3	1:C:756:ILE:HD13	0.62	1.71	6	1
1:B:795:TYR:HH	1:C:757:TRP:CG	0.62	2.12	9	1
1:A:770:ARG:NH1	1:A:777:ILE:HD13	0.62	2.10	1	1
1:B:835:GLY:O	1:B:839:ALA:HB3	0.62	1.94	4	7
1:C:685:PHE:HA	1:C:688:ILE:HD12	0.62	1.71	13	2
1:A:669:LEU:CD2	1:A:676:THR:HG23	0.62	2.24	8	1
1:B:669:LEU:CD2	1:B:676:THR:HG23	0.62	2.25	9	1
1:B:826:THR:O	1:B:830:ILE:HD12	0.62	1.94	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:702:LEU:C	1:C:702:LEU:HD13	0.61	2.19	10	9
1:A:752:SER:O	1:A:755:LEU:HD12	0.61	1.95	8	1
1:B:800:LEU:HA	1:B:803:TRP:CH2	0.61	2.30	9	1
1:A:781:ILE:HD13	1:B:746:ILE:HG13	0.61	1.72	12	2
1:C:697:ILE:HD13	1:C:697:ILE:O	0.61	1.95	5	1
1:B:663:LEU:HD23	1:B:663:LEU:O	0.61	1.94	10	1
1:C:819:ALA:HB1	1:C:826:THR:OG1	0.61	1.96	10	2
1:A:750:ASN:CG	1:C:785:LEU:HD23	0.61	2.19	12	2
1:A:819:ALA:HB1	1:A:826:THR:OG1	0.61	1.94	12	1
1:B:808:LYS:O	1:B:812:VAL:HG22	0.61	1.96	7	3
1:A:696:ARG:HE	1:C:693:ILE:HD11	0.61	1.56	14	3
1:A:686:ILE:CG2	1:B:686:ILE:HD12	0.61	2.25	9	1
1:B:771:LEU:H	1:B:771:LEU:HD13	0.61	1.55	3	7
1:B:775:LEU:H	1:B:775:LEU:HD13	0.61	1.56	1	3
1:A:771:LEU:C	1:A:771:LEU:HD13	0.61	2.20	7	1
1:A:714:PRO:HB2	1:C:748:LEU:HD23	0.61	1.71	10	1
1:A:708:VAL:HG21	1:B:714:PRO:HD3	0.61	1.70	2	2
1:C:682:ILE:HD12	1:C:683:ARG:N	0.61	2.10	10	2
1:C:695:LEU:O	1:C:698:VAL:HG13	0.61	1.96	10	1
1:B:819:ALA:HB1	1:B:826:THR:HB	0.61	1.72	2	5
1:B:828:ARG:O	1:B:832:VAL:HG23	0.61	1.96	12	5
1:B:774:LEU:HD23	1:B:775:LEU:N	0.61	2.10	3	1
1:A:816:ASN:CA	1:A:830:ILE:HD11	0.61	2.26	13	3
1:B:704:LEU:HD21	1:C:714:PRO:O	0.61	1.95	1	1
1:A:840:ILE:HD13	1:A:840:ILE:O	0.61	1.94	2	2
1:B:750:ASN:O	1:B:753:LEU:HD13	0.61	1.96	6	1
1:A:785:LEU:HD23	1:B:750:ASN:CG	0.60	2.21	1	1
1:B:854:ILE:HD13	1:B:854:ILE:O	0.60	1.96	10	1
1:A:796:TRP:HE1	1:B:756:ILE:HD13	0.60	1.57	1	1
1:B:685:PHE:O	1:B:689:VAL:HG23	0.60	1.95	12	2
1:B:759:ASP:O	1:B:763:LEU:HD12	0.60	1.95	4	2
1:C:660:LEU:C	1:C:661:LEU:HD23	0.60	2.21	4	1
1:B:746:ILE:O	1:B:749:VAL:HG22	0.60	1.96	12	3
1:C:756:ILE:O	1:C:756:ILE:HD13	0.60	1.95	15	1
1:B:704:LEU:HD11	1:C:712:TYR:O	0.60	1.96	9	1
1:A:776:LEU:HD13	1:A:776:LEU:N	0.60	2.11	10	1
1:A:781:ILE:HG22	1:B:746:ILE:HG21	0.60	1.73	15	1
1:C:663:LEU:C	1:C:663:LEU:HD22	0.60	2.22	15	3
1:B:748:LEU:O	1:B:748:LEU:HD13	0.60	1.96	11	1
1:A:764:SER:OG	1:A:771:LEU:HD22	0.60	1.96	13	1
1:A:785:LEU:HD22	1:B:750:ASN:ND2	0.60	2.12	5	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:663:LEU:O	1:B:667:ALA:HB3	0.60	1.96	9	2
1:C:715:LEU:HD22	1:C:715:LEU:O	0.60	1.96	2	2
1:C:829:VAL:O	1:C:833:VAL:HG22	0.60	1.96	14	3
1:A:785:LEU:HD13	1:B:749:VAL:HB	0.60	1.74	5	1
1:B:753:LEU:HD12	1:B:754:ALA:N	0.60	2.12	10	2
1:B:820:ILE:O	1:B:822:VAL:HG22	0.60	1.97	12	1
1:A:781:ILE:CG2	1:B:746:ILE:HG21	0.60	2.26	15	5
1:A:697:ILE:O	1:A:697:ILE:HD13	0.60	1.97	10	2
1:A:816:ASN:HA	1:A:830:ILE:HD11	0.60	1.70	12	2
1:B:812:VAL:HG11	1:B:834:GLN:NE2	0.60	2.11	10	1
1:B:768:TYR:O	1:B:771:LEU:HD13	0.60	1.96	12	1
1:B:847:ILE:H	1:B:847:ILE:HD13	0.60	1.57	12	1
1:C:693:ILE:HD12	1:C:693:ILE:O	0.60	1.97	4	6
1:B:781:ILE:HG21	1:C:746:ILE:CG2	0.59	2.27	2	2
1:C:763:LEU:O	1:C:774:LEU:HD22	0.59	1.97	6	1
1:A:793:LEU:HD12	1:A:797:TRP:NE1	0.59	2.11	11	2
1:A:753:LEU:HD23	1:C:791:GLU:CB	0.59	2.27	2	3
1:A:754:ALA:HB1	1:B:715:LEU:HB3	0.59	1.73	7	1
1:A:765:LEU:HD12	1:A:770:ARG:NH2	0.59	2.13	1	1
1:A:678:TRP:O	1:A:682:ILE:HG23	0.59	1.96	13	2
1:A:793:LEU:HD12	1:A:847:ILE:HD11	0.59	1.75	7	2
1:C:771:LEU:HD23	1:C:772:ARG:CD	0.59	2.26	11	1
1:B:771:LEU:HD22	1:B:771:LEU:C	0.59	2.22	2	1
1:C:771:LEU:HD13	1:C:772:ARG:N	0.59	2.12	4	1
1:A:785:LEU:HD21	1:B:746:ILE:HG22	0.59	1.73	5	1
1:A:830:ILE:HD13	1:A:831:GLU:N	0.59	2.12	7	1
1:B:799:LEU:HD22	1:C:756:ILE:HD12	0.59	1.75	8	1
1:C:812:VAL:HG12	1:C:834:GLN:NE2	0.59	2.13	8	1
1:A:756:ILE:HG21	1:C:795:TYR:HB3	0.59	1.75	6	3
1:B:694:GLY:O	1:B:697:ILE:HG22	0.59	1.98	5	4
1:B:793:LEU:O	1:B:793:LEU:HD23	0.59	1.98	6	2
1:A:828:ARG:O	1:A:832:VAL:HG22	0.59	1.98	11	2
1:B:715:LEU:C	1:B:715:LEU:HD13	0.59	2.23	9	1
1:A:704:LEU:HD11	1:B:707:ARG:CB	0.58	2.27	2	2
1:B:785:LEU:HD23	1:C:750:ASN:CG	0.58	2.23	15	3
1:A:758:ASP:HB3	1:B:715:LEU:HD11	0.58	1.75	12	1
1:B:840:ILE:HD13	1:B:840:ILE:O	0.58	1.97	2	2
1:C:821:ALA:O	1:C:822:VAL:HG13	0.58	1.97	2	1
1:A:695:LEU:C	1:A:695:LEU:HD23	0.58	2.23	3	2
1:A:765:LEU:HD13	1:A:766:PHE:N	0.58	2.13	4	1
1:A:799:LEU:HD23	1:A:800:LEU:N	0.58	2.13	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:760:LEU:C	1:A:760:LEU:HD13	0.58	2.23	10	5
1:A:753:LEU:HD13	1:A:754:ALA:H	0.58	1.58	6	1
1:A:757:TRP:CD1	1:C:795:TYR:HH	0.58	2.17	8	2
1:A:753:LEU:O	1:A:756:ILE:HG22	0.58	1.98	15	1
1:B:791:GLU:O	1:B:794:LYS:HG3	0.58	1.99	6	9
1:C:753:LEU:C	1:C:753:LEU:HD22	0.58	2.23	6	4
1:B:796:TRP:HE1	1:C:756:ILE:HD11	0.58	1.59	2	1
1:B:702:LEU:O	1:B:702:LEU:HD13	0.58	1.99	4	1
1:A:686:ILE:HG21	1:B:686:ILE:CD1	0.58	2.28	9	2
1:A:693:ILE:C	1:A:693:ILE:HD13	0.58	2.24	2	4
1:B:799:LEU:HD13	1:C:756:ILE:HD11	0.58	1.76	5	1
1:B:799:LEU:O	1:B:803:TRP:CD2	0.58	2.57	13	3
1:B:693:ILE:HD11	1:C:692:LEU:HD23	0.58	1.75	8	3
1:A:663:LEU:HD13	1:A:664:ASP:N	0.58	2.14	14	2
1:C:793:LEU:HD22	1:C:793:LEU:O	0.58	1.99	10	1
1:C:793:LEU:HD21	1:C:797:TRP:NE1	0.58	2.14	10	1
1:C:775:LEU:HD22	1:C:775:LEU:C	0.58	2.23	11	2
1:A:796:TRP:CD1	1:B:756:ILE:HD13	0.58	2.34	10	2
1:B:793:LEU:HD11	1:B:847:ILE:HG13	0.58	1.74	12	1
1:A:754:ALA:HB1	1:B:715:LEU:O	0.57	1.99	1	2
1:C:774:LEU:HD13	1:C:774:LEU:O	0.57	1.99	14	2
1:C:791:GLU:O	1:C:794:LYS:HG3	0.57	1.99	5	2
1:B:669:LEU:HD11	1:B:675:ILE:CG2	0.57	2.28	9	1
1:A:774:LEU:O	1:A:778:VAL:HG23	0.57	1.99	15	1
1:C:708:VAL:HG11	1:C:744:ARG:NH1	0.57	2.13	1	1
1:B:715:LEU:O	1:B:716:SER:C	0.57	2.48	4	1
1:B:829:VAL:O	1:B:833:VAL:HG23	0.57	1.99	4	4
1:B:855:LEU:HD13	1:B:855:LEU:O	0.57	2.00	14	2
1:C:756:ILE:HD13	1:C:756:ILE:C	0.57	2.24	15	1
1:A:763:LEU:HD13	1:A:764:SER:H	0.57	1.60	2	1
1:B:855:LEU:HD13	1:B:856:LEU:N	0.57	2.13	2	2
1:C:775:LEU:O	1:C:775:LEU:HD22	0.57	1.99	14	2
1:B:667:ALA:CB	1:C:660:LEU:HD11	0.57	2.30	2	1
1:B:768:TYR:O	1:B:771:LEU:HD22	0.57	1.99	14	1
1:A:763:LEU:HD22	1:A:763:LEU:C	0.57	2.24	2	1
1:A:763:LEU:HD22	1:A:764:SER:H	0.57	1.60	7	2
1:A:821:ALA:O	1:A:822:VAL:HG13	0.57	2.00	5	1
1:B:829:VAL:O	1:B:833:VAL:HG22	0.57	1.99	7	2
1:C:695:LEU:HD22	1:C:695:LEU:O	0.57	2.00	10	1
1:B:764:SER:OG	1:B:771:LEU:HD12	0.57	1.99	12	2
1:B:816:ASN:ND2	1:B:830:ILE:HD12	0.57	2.13	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:663:LEU:HD22	1:A:663:LEU:C	0.57	2.25	6	4
1:A:686:ILE:HG12	1:B:686:ILE:HD12	0.57	1.75	8	2
1:A:781:ILE:HD13	1:B:746:ILE:HG12	0.57	1.74	3	2
1:A:819:ALA:HB1	1:A:826:THR:HB	0.57	1.76	7	5
1:A:790:TRP:CZ2	1:A:793:LEU:HD23	0.57	2.35	11	2
1:B:808:LYS:O	1:B:812:VAL:HG23	0.57	2.00	11	4
1:C:760:LEU:O	1:C:760:LEU:HD23	0.57	2.00	10	4
1:C:683:ARG:HG3	1:C:684:ILE:HD12	0.57	1.77	7	1
1:C:826:THR:O	1:C:830:ILE:HD12	0.57	1.99	8	1
1:B:812:VAL:HG21	1:B:834:GLN:OE1	0.57	2.00	11	1
1:A:760:LEU:HD13	1:A:761:ARG:H	0.57	1.60	12	1
1:C:819:ALA:O	1:C:826:THR:HG21	0.56	2.00	7	2
1:B:693:ILE:HG12	1:C:692:LEU:HD21	0.56	1.77	14	1
1:A:713:SER:O	1:A:714:PRO:C	0.56	2.49	11	13
1:A:754:ALA:HB2	1:B:715:LEU:HD11	0.56	1.77	4	1
1:C:774:LEU:O	1:C:778:VAL:HG23	0.56	2.00	13	1
1:A:715:LEU:HD12	1:C:751:GLY:O	0.56	1.99	6	1
1:C:828:ARG:O	1:C:832:VAL:HG12	0.56	2.00	11	2
1:B:793:LEU:HD11	1:B:847:ILE:CG1	0.56	2.30	12	1
1:A:753:LEU:HD23	1:C:791:GLU:HG3	0.56	1.76	14	1
1:B:765:LEU:HD23	1:B:774:LEU:HD11	0.56	1.77	15	1
1:B:763:LEU:H	1:B:763:LEU:HD13	0.56	1.61	5	4
1:C:764:SER:CB	1:C:771:LEU:HD12	0.56	2.30	13	1
1:C:830:ILE:HD13	1:C:830:ILE:O	0.56	2.01	7	4
1:A:808:LYS:O	1:A:812:VAL:HG22	0.56	2.01	2	4
1:A:714:PRO:HG3	1:C:705:VAL:HG22	0.56	1.76	1	2
1:B:761:ARG:O	1:B:765:LEU:HD22	0.56	2.01	7	1
1:A:704:LEU:O	1:A:708:VAL:HG23	0.56	2.01	2	1
1:C:797:TRP:CG	1:C:847:ILE:HD12	0.56	2.36	3	3
1:B:821:ALA:O	1:B:822:VAL:HG13	0.56	2.01	4	1
1:A:781:ILE:HG23	1:B:746:ILE:CG2	0.56	2.31	13	1
1:B:751:GLY:HA2	1:C:715:LEU:HD11	0.56	1.77	2	1
1:C:771:LEU:HD23	1:C:772:ARG:CZ	0.56	2.31	2	1
1:B:763:LEU:HD22	1:B:763:LEU:C	0.56	2.26	14	4
1:A:760:LEU:HD11	1:C:799:LEU:HB2	0.56	1.76	6	1
1:A:781:ILE:HG23	1:B:746:ILE:HG23	0.56	1.77	7	2
1:A:830:ILE:O	1:A:830:ILE:HD13	0.56	2.00	8	1
1:C:819:ALA:CB	1:C:826:THR:HG21	0.56	2.23	14	1
1:A:771:LEU:HD22	1:A:771:LEU:N	0.55	2.16	4	7
1:A:819:ALA:HB1	1:A:826:THR:HG22	0.55	1.77	9	1
1:B:812:VAL:HG11	1:B:834:GLN:OE1	0.55	2.02	14	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:816:ASN:CG	1:A:830:ILE:HD11	0.55	2.26	7	1
1:C:763:LEU:O	1:C:774:LEU:HD13	0.55	2.00	9	2
1:C:748:LEU:HD22	1:C:748:LEU:C	0.55	2.27	8	1
1:A:704:LEU:HD21	1:B:707:ARG:HA	0.55	1.78	8	1
1:C:793:LEU:C	1:C:793:LEU:HD13	0.55	2.26	10	1
1:A:819:ALA:HB3	1:A:827:ASP:OD1	0.55	2.01	11	1
1:A:771:LEU:HD22	1:A:772:ARG:H	0.55	1.62	15	1
1:A:756:ILE:HD13	1:C:795:TYR:CB	0.55	2.31	10	1
1:A:793:LEU:HD11	1:A:847:ILE:HG13	0.55	1.77	4	1
1:A:816:ASN:HB2	1:A:830:ILE:HD11	0.55	1.76	3	2
1:A:753:LEU:C	1:A:753:LEU:HD12	0.55	2.27	7	3
1:B:771:LEU:HD23	1:B:772:ARG:HD3	0.55	1.79	8	1
1:C:850:GLY:O	1:C:854:ILE:HG23	0.55	2.02	8	1
1:A:705:VAL:HG11	1:A:745:SER:HB2	0.55	1.79	12	1
1:B:793:LEU:HD12	1:B:793:LEU:O	0.55	2.01	14	1
1:B:754:ALA:HB3	1:C:715:LEU:O	0.55	2.01	15	1
1:A:795:TYR:CB	1:B:756:ILE:HG21	0.55	2.32	1	1
1:A:764:SER:HB3	1:A:771:LEU:HD12	0.55	1.78	14	3
1:B:819:ALA:O	1:B:826:THR:HG21	0.55	2.02	9	2
1:B:806:GLU:HG3	1:C:771:LEU:HD21	0.55	1.77	15	1
1:C:771:LEU:HD23	1:C:772:ARG:NE	0.55	2.16	2	1
1:C:809:ASN:O	1:C:812:VAL:HG22	0.55	2.02	8	1
1:C:771:LEU:O	1:C:774:LEU:HD23	0.55	2.01	10	1
1:A:693:ILE:HD12	1:A:693:ILE:O	0.55	2.02	15	1
1:A:774:LEU:HD13	1:A:777:ILE:HD11	0.54	1.79	8	1
1:A:682:ILE:C	1:A:682:ILE:HD13	0.54	2.27	9	1
1:C:774:LEU:HD22	1:C:774:LEU:C	0.54	2.27	12	1
1:A:692:LEU:HD12	1:A:693:ILE:N	0.54	2.17	13	1
1:C:790:TRP:CZ2	1:C:793:LEU:HD23	0.54	2.37	1	1
1:B:745:SER:O	1:B:748:LEU:HD23	0.54	2.02	8	1
1:B:781:ILE:HG21	1:C:746:ILE:HG21	0.54	1.78	2	3
1:A:795:TYR:CZ	1:A:796:TRP:NE1	0.54	2.76	2	7
1:C:793:LEU:HD23	1:C:847:ILE:HD11	0.54	1.78	7	1
1:C:695:LEU:O	1:C:698:VAL:HG12	0.54	2.03	13	1
1:C:675:ILE:HG22	1:C:679:LEU:HD12	0.54	1.79	4	1
1:A:693:ILE:HD11	1:B:696:ARG:HE	0.54	1.61	15	3
1:A:763:LEU:O	1:A:774:LEU:HD22	0.54	2.03	3	5
1:A:679:LEU:O	1:A:682:ILE:HG22	0.54	2.03	3	1
1:C:695:LEU:O	1:C:695:LEU:HD23	0.54	2.03	1	4
1:A:742:ARG:HH11	1:A:746:ILE:HD11	0.54	1.63	6	1
1:A:753:LEU:O	1:A:756:ILE:HD12	0.54	2.01	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:771:LEU:HD23	1:C:772:ARG:HD2	0.54	1.79	11	1
1:B:693:ILE:CG1	1:C:692:LEU:HD21	0.54	2.33	14	1
1:B:715:LEU:C	1:B:715:LEU:HD22	0.54	2.27	15	1
1:A:686:ILE:HD11	1:C:686:ILE:CG2	0.54	2.33	2	3
1:A:764:SER:OG	1:A:771:LEU:HD12	0.54	2.02	2	2
1:A:856:LEU:HD13	1:A:856:LEU:N	0.54	2.18	5	1
1:C:827:ASP:HA	1:C:830:ILE:HD11	0.54	1.79	6	1
1:B:771:LEU:HD23	1:B:772:ARG:H	0.54	1.61	14	2
1:C:820:ILE:HD13	1:C:826:THR:HG22	0.54	1.79	14	1
1:B:682:ILE:HD12	1:B:683:ARG:H	0.54	1.61	11	2
1:B:799:LEU:O	1:B:803:TRP:CE3	0.54	2.61	4	3
1:A:695:LEU:HD23	1:A:695:LEU:O	0.54	2.03	2	7
1:C:702:LEU:O	1:C:702:LEU:HD13	0.54	2.03	4	1
1:C:856:LEU:HD22	1:C:856:LEU:C	0.54	2.28	7	1
1:C:793:LEU:HD13	1:C:794:LYS:N	0.54	2.18	10	1
1:A:845:ARG:O	1:A:847:ILE:HD13	0.54	2.03	1	1
1:C:771:LEU:HD22	1:C:771:LEU:N	0.54	2.17	11	8
1:C:715:LEU:HD22	1:C:715:LEU:C	0.54	2.27	2	1
1:C:748:LEU:C	1:C:748:LEU:HD22	0.54	2.28	4	1
1:A:802:TYR:CE1	1:B:760:LEU:HD11	0.54	2.38	7	1
1:C:819:ALA:HB1	1:C:826:THR:HG23	0.54	1.80	11	1
1:A:704:LEU:HD11	1:B:707:ARG:CG	0.53	2.33	6	2
1:A:785:LEU:C	1:A:785:LEU:HD13	0.53	2.28	12	1
1:B:686:ILE:CG2	1:C:686:ILE:HD11	0.53	2.32	2	2
1:B:695:LEU:HD23	1:B:695:LEU:O	0.53	2.04	2	2
1:B:796:TRP:NE1	1:C:756:ILE:HD11	0.53	2.18	2	1
1:A:669:LEU:HD23	1:A:676:THR:HG23	0.53	1.80	8	1
1:B:669:LEU:HD23	1:B:676:THR:HG23	0.53	1.79	12	4
1:C:768:TYR:CG	1:C:771:LEU:HD11	0.53	2.38	13	1
1:A:774:LEU:HD13	1:A:774:LEU:O	0.53	2.03	13	2
1:B:710:GLN:O	1:B:715:LEU:HD23	0.53	2.03	4	1
1:A:694:GLY:O	1:A:697:ILE:HG22	0.53	2.04	11	6
1:C:705:VAL:HG21	1:C:748:LEU:CD1	0.53	2.33	7	1
1:B:760:LEU:HD12	1:B:760:LEU:C	0.53	2.27	8	1
1:A:785:LEU:HD13	1:A:785:LEU:C	0.53	2.29	14	1
1:A:785:LEU:HD21	1:B:750:ASN:ND2	0.53	2.18	11	2
1:B:693:ILE:CD1	1:C:692:LEU:HD23	0.53	2.34	13	2
1:B:812:VAL:HG11	1:B:834:GLN:HE21	0.53	1.61	10	1
1:B:797:TRP:CD1	1:B:847:ILE:HD11	0.53	2.38	12	1
1:A:790:TRP:CH2	1:A:851:LEU:HD22	0.53	2.38	13	1
1:C:771:LEU:HD22	1:C:771:LEU:H	0.53	1.63	11	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:770:ARG:O	1:A:773:ASP:N	0.53	2.42	13	2
1:C:790:TRP:CH2	1:C:793:LEU:HD13	0.53	2.37	7	1
1:A:708:VAL:HG12	1:A:741:ASP:CG	0.53	2.28	8	1
1:A:707:ARG:HA	1:C:704:LEU:HD13	0.53	1.81	10	2
1:A:820:ILE:O	1:A:822:VAL:HG22	0.53	2.03	14	1
1:A:763:LEU:O	1:A:774:LEU:HD13	0.53	2.04	6	1
1:A:702:LEU:C	1:A:702:LEU:HD13	0.53	2.28	15	2
1:A:693:ILE:HG22	1:C:693:ILE:HD13	0.53	1.80	11	1
1:A:704:LEU:O	1:A:708:VAL:HG22	0.53	2.03	14	1
1:A:768:TYR:C	1:A:770:ARG:H	0.53	2.11	13	4
1:B:675:ILE:HD11	1:B:679:LEU:HD12	0.53	1.78	4	1
1:B:803:TRP:CZ2	1:C:760:LEU:HD22	0.53	2.39	4	1
1:A:760:LEU:HD21	1:C:803:TRP:CH2	0.53	2.38	5	1
1:C:763:LEU:HD22	1:C:763:LEU:C	0.53	2.28	10	1
1:C:771:LEU:HD22	1:C:772:ARG:H	0.53	1.61	10	1
1:B:830:ILE:HD12	1:B:831:GLU:N	0.53	2.18	11	1
1:C:663:LEU:HD23	1:C:663:LEU:O	0.53	2.03	11	1
1:C:807:LEU:O	1:C:807:LEU:HD13	0.53	2.03	12	2
1:A:803:TRP:N	1:A:803:TRP:CE3	0.53	2.77	4	13
1:C:820:ILE:HD11	1:C:827:ASP:HB2	0.53	1.78	1	1
1:A:689:VAL:O	1:A:692:LEU:HD22	0.53	2.04	8	1
1:C:760:LEU:C	1:C:760:LEU:HD13	0.53	2.29	15	1
1:B:675:ILE:HD12	1:B:675:ILE:O	0.53	2.04	7	2
1:B:819:ALA:HB1	1:B:826:THR:CG2	0.53	2.34	15	2
1:B:697:ILE:HD11	1:C:696:ARG:HD2	0.53	1.81	7	1
1:B:753:LEU:HD22	1:B:753:LEU:O	0.53	2.04	7	3
1:A:675:ILE:HD12	1:A:678:TRP:CE3	0.52	2.38	1	2
1:B:803:TRP:N	1:B:803:TRP:CE3	0.52	2.77	15	11
1:C:836:ALA:O	1:C:840:ILE:HG23	0.52	2.04	8	2
1:B:743:ASP:HA	1:B:746:ILE:HD12	0.52	1.80	7	1
1:A:675:ILE:CD1	1:A:679:LEU:HD23	0.52	2.34	8	1
1:A:748:LEU:HD23	1:A:748:LEU:O	0.52	2.04	11	2
1:A:710:GLN:CG	1:A:715:LEU:HD22	0.52	2.34	9	1
1:B:715:LEU:HD12	1:B:715:LEU:C	0.52	2.29	4	1
1:B:753:LEU:HD22	1:B:753:LEU:C	0.52	2.28	6	3
1:B:667:ALA:CA	1:C:660:LEU:HD11	0.52	2.34	2	1
1:A:754:ALA:HB3	1:B:715:LEU:HD21	0.52	1.81	9	1
1:A:820:ILE:HD12	1:A:827:ASP:OD1	0.52	2.04	10	1
1:A:696:ARG:HD3	1:C:693:ILE:HD11	0.52	1.82	15	1
1:A:771:LEU:HD11	1:A:772:ARG:NH2	0.52	2.19	3	1
1:A:763:LEU:HD13	1:A:763:LEU:N	0.52	2.20	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:816:ASN:O	1:B:820:ILE:HD12	0.52	2.05	4	1
1:C:830:ILE:HD13	1:C:830:ILE:C	0.52	2.30	7	2
1:A:693:ILE:HD13	1:B:696:ARG:HE	0.52	1.64	8	1
1:A:747:ARG:HG3	1:C:785:LEU:HD21	0.52	1.81	12	1
1:B:669:LEU:C	1:B:669:LEU:HD12	0.52	2.30	8	1
1:B:806:GLU:CB	1:C:771:LEU:HD21	0.52	2.34	10	1
1:A:791:GLU:O	1:A:794:LYS:HD2	0.52	2.05	1	1
1:B:771:LEU:N	1:B:771:LEU:HD22	0.52	2.20	8	6
1:C:779:THR:O	1:C:782:VAL:HG12	0.52	2.04	3	1
1:A:707:ARG:HB3	1:C:704:LEU:HD11	0.52	1.81	4	1
1:B:771:LEU:N	1:B:771:LEU:HD13	0.52	2.19	6	1
1:B:781:ILE:HD13	1:C:746:ILE:HG23	0.52	1.82	6	1
1:B:822:VAL:CG1	1:B:826:THR:HG22	0.52	2.34	8	1
1:B:686:ILE:CG2	1:C:686:ILE:HD12	0.52	2.35	10	1
1:A:756:ILE:HG21	1:C:795:TYR:CB	0.52	2.34	1	2
1:B:763:LEU:C	1:B:763:LEU:HD22	0.52	2.29	4	1
1:C:675:ILE:HG23	1:C:678:TRP:CZ2	0.52	2.40	4	1
1:B:771:LEU:HD13	1:B:771:LEU:N	0.52	2.19	7	3
1:C:803:TRP:N	1:C:803:TRP:CE3	0.52	2.78	3	15
1:A:663:LEU:HD13	1:A:663:LEU:C	0.52	2.29	14	2
1:B:781:ILE:HD12	1:C:746:ILE:HG21	0.52	1.79	3	1
1:B:781:ILE:HD12	1:C:746:ILE:CG2	0.52	2.35	3	1
1:C:745:SER:O	1:C:748:LEU:HD12	0.52	2.04	4	1
1:A:755:LEU:HD22	1:A:755:LEU:C	0.52	2.30	8	1
1:B:847:ILE:C	1:B:847:ILE:HD13	0.52	2.30	15	1
1:A:760:LEU:HD22	1:A:760:LEU:O	0.52	2.03	13	5
1:A:774:LEU:HD13	1:A:774:LEU:C	0.52	2.30	4	3
1:C:794:LYS:HD3	1:C:795:TYR:N	0.52	2.19	6	1
1:C:678:TRP:CD1	1:C:682:ILE:HG21	0.52	2.40	11	1
1:A:697:ILE:HD13	1:A:698:VAL:H	0.52	1.65	4	3
1:A:795:TYR:CD1	1:B:756:ILE:HG23	0.52	2.40	11	1
1:A:803:TRP:N	1:A:803:TRP:HE3	0.51	2.04	1	7
1:C:753:LEU:HD12	1:C:754:ALA:N	0.51	2.19	1	1
1:C:830:ILE:C	1:C:830:ILE:HD13	0.51	2.30	1	1
1:A:760:LEU:HD22	1:A:760:LEU:C	0.51	2.30	13	1
1:A:753:LEU:HD13	1:A:753:LEU:C	0.51	2.30	15	2
1:B:819:ALA:HB3	1:B:830:ILE:HD11	0.51	1.82	15	1
1:B:667:ALA:HB2	1:C:660:LEU:CD1	0.51	2.35	2	1
1:B:710:GLN:CD	1:B:715:LEU:HD21	0.51	2.30	3	1
1:A:836:ALA:O	1:A:840:ILE:HG23	0.51	2.06	9	2
1:C:695:LEU:HD13	1:C:696:ARG:HD2	0.51	1.81	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:826:THR:O	1:C:830:ILE:HG22	0.51	2.05	12	1
1:C:777:ILE:O	1:C:781:ILE:HG22	0.51	2.05	15	1
1:B:803:TRP:N	1:B:803:TRP:HE3	0.51	2.03	13	5
1:A:808:LYS:O	1:A:812:VAL:HG23	0.51	2.05	15	4
1:B:795:TYR:O	1:B:799:LEU:HD12	0.51	2.04	13	1
1:B:793:LEU:C	1:B:793:LEU:HD13	0.51	2.30	12	2
1:B:704:LEU:HD22	1:C:710:GLN:HG3	0.51	1.83	1	1
1:B:814:LEU:O	1:B:818:THR:HG22	0.51	2.05	1	1
1:A:760:LEU:HA	1:A:763:LEU:HD22	0.51	1.81	5	1
1:B:828:ARG:O	1:B:832:VAL:HG22	0.51	2.05	7	3
1:C:819:ALA:CB	1:C:830:ILE:HD11	0.51	2.34	8	1
1:A:756:ILE:HG21	1:C:795:TYR:CD2	0.51	2.41	12	1
1:A:791:GLU:HG3	1:B:753:LEU:HD13	0.51	1.82	1	1
1:A:763:LEU:HD13	1:A:764:SER:N	0.51	2.21	2	1
1:C:785:LEU:HD23	1:C:788:ARG:HD3	0.51	1.83	3	1
1:A:754:ALA:HB1	1:B:715:LEU:CB	0.51	2.35	7	1
1:A:826:THR:O	1:A:830:ILE:HG22	0.51	2.06	1	1
1:C:781:ILE:HG22	1:C:785:LEU:HD11	0.51	1.83	3	1
1:C:840:ILE:HD13	1:C:840:ILE:O	0.51	2.05	3	2
1:C:702:LEU:HD13	1:C:703:SER:N	0.51	2.20	5	3
1:A:793:LEU:HD13	1:A:847:ILE:HD12	0.51	1.83	6	1
1:B:819:ALA:HB3	1:B:827:ASP:HB3	0.51	1.83	1	1
1:B:799:LEU:CD2	1:C:756:ILE:HD12	0.51	2.36	8	1
1:A:693:ILE:HD12	1:B:692:LEU:HD23	0.51	1.82	7	1
1:A:692:LEU:H	1:A:692:LEU:HD13	0.51	1.66	8	1
1:A:806:GLU:HB3	1:B:771:LEU:HD21	0.51	1.83	11	2
1:A:819:ALA:HB3	1:A:827:ASP:CG	0.51	2.31	10	1
1:A:826:THR:O	1:A:829:VAL:HG12	0.51	2.06	10	1
1:A:796:TRP:HA	1:A:799:LEU:HD22	0.51	1.82	11	1
1:A:757:TRP:CG	1:C:795:TYR:HH	0.50	2.24	5	1
1:A:693:ILE:HD13	1:B:696:ARG:NE	0.50	2.20	8	1
1:B:760:LEU:HD22	1:B:760:LEU:C	0.50	2.31	14	5
1:C:843:ILE:H	1:C:843:ILE:HD13	0.50	1.65	7	1
1:A:750:ASN:O	1:A:753:LEU:HD23	0.50	2.07	10	1
1:A:756:ILE:H	1:A:756:ILE:HD12	0.50	1.65	2	1
1:B:830:ILE:C	1:B:830:ILE:HD13	0.50	2.30	8	1
1:A:771:LEU:HD23	1:A:771:LEU:H	0.50	1.65	13	1
1:C:759:ASP:O	1:C:763:LEU:HD22	0.50	2.05	13	1
1:A:790:TRP:C	1:A:792:ALA:N	0.50	2.67	2	15
1:A:828:ARG:O	1:A:832:VAL:HG12	0.50	2.07	3	5
1:A:760:LEU:HD11	1:C:803:TRP:CZ2	0.50	2.42	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:697:ILE:HD11	1:C:696:ARG:HB3	0.50	1.83	3	1
1:C:797:TRP:CD1	1:C:847:ILE:HD12	0.50	2.42	4	3
1:A:785:LEU:HD13	1:B:749:VAL:CB	0.50	2.36	5	1
1:C:763:LEU:C	1:C:774:LEU:HD13	0.50	2.31	9	1
1:C:778:VAL:O	1:C:781:ILE:HG22	0.50	2.07	12	1
1:A:754:ALA:HB3	1:B:715:LEU:HD22	0.50	1.81	14	2
1:B:675:ILE:HD12	1:B:678:TRP:CZ3	0.50	2.41	2	1
1:A:781:ILE:CG2	1:B:746:ILE:HG23	0.50	2.32	4	1
1:B:704:LEU:HD13	1:C:707:ARG:HA	0.50	1.82	4	1
1:A:669:LEU:HD23	1:A:670:TRP:CZ3	0.50	2.41	5	1
1:B:675:ILE:HD13	1:B:675:ILE:C	0.50	2.32	8	1
1:B:778:VAL:HA	1:B:781:ILE:HD11	0.50	1.83	1	1
1:C:713:SER:O	1:C:714:PRO:C	0.50	2.54	2	10
1:A:760:LEU:HD21	1:C:803:TRP:CZ2	0.50	2.42	5	2
1:A:693:ILE:HD11	1:B:696:ARG:HG3	0.50	1.83	6	1
1:B:663:LEU:HD13	1:B:663:LEU:O	0.50	2.07	7	1
1:C:760:LEU:HD22	1:C:760:LEU:C	0.50	2.31	1	1
1:A:816:ASN:O	1:A:820:ILE:HD13	0.50	2.07	3	1
1:B:678:TRP:CD1	1:B:678:TRP:C	0.50	2.90	12	8
1:C:796:TRP:HA	1:C:799:LEU:HD22	0.50	1.84	3	1
1:A:746:ILE:HG12	1:C:781:ILE:HD13	0.50	1.84	4	1
1:C:790:TRP:CZ3	1:C:792:ALA:HB3	0.50	2.42	7	1
1:B:751:GLY:O	1:C:715:LEU:HD21	0.50	2.06	9	1
1:A:742:ARG:CZ	1:C:765:LEU:HD11	0.50	2.36	11	1
1:C:698:VAL:HG23	1:C:699:PHE:HD2	0.50	1.66	12	1
1:A:764:SER:CB	1:A:771:LEU:HD12	0.50	2.37	14	1
1:A:851:LEU:C	1:A:851:LEU:HD13	0.49	2.32	15	3
1:A:799:LEU:HD13	1:B:756:ILE:HD12	0.49	1.84	3	1
1:A:678:TRP:C	1:A:678:TRP:CD1	0.49	2.90	9	9
1:C:835:GLY:O	1:C:839:ALA:HB3	0.49	2.07	5	1
1:B:672:TRP:HB3	1:B:675:ILE:HG23	0.49	1.83	14	1
1:B:760:LEU:HD13	1:B:760:LEU:C	0.49	2.32	1	2
1:A:697:ILE:HD13	1:A:698:VAL:N	0.49	2.22	3	3
1:B:775:LEU:H	1:B:775:LEU:HD22	0.49	1.66	6	1
1:C:695:LEU:C	1:C:695:LEU:HD23	0.49	2.32	6	1
1:C:742:ARG:O	1:C:746:ILE:HD13	0.49	2.06	6	2
1:A:759:ASP:O	1:A:763:LEU:HD22	0.49	2.07	8	1
1:B:748:LEU:HD23	1:C:714:PRO:CB	0.49	2.37	10	1
1:A:750:ASN:ND2	1:C:781:ILE:HD11	0.49	2.22	11	1
1:B:826:THR:O	1:B:829:VAL:HG22	0.49	2.08	15	1
1:A:795:TYR:CE1	1:A:796:TRP:CD1	0.49	3.01	7	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:750:ASN:CG	1:C:785:LEU:HD21	0.49	2.32	4	1
1:C:678:TRP:C	1:C:678:TRP:CD1	0.49	2.91	7	3
1:A:703:SER:OG	1:C:700:ALA:HB1	0.49	2.07	6	1
1:B:753:LEU:HD13	1:B:753:LEU:C	0.49	2.32	7	2
1:C:847:ILE:HD12	1:C:848:ARG:N	0.49	2.23	7	1
1:C:697:ILE:HD12	1:C:698:VAL:N	0.49	2.22	8	1
1:A:793:LEU:HD13	1:A:847:ILE:CG1	0.49	2.38	2	1
1:B:663:LEU:C	1:B:663:LEU:HD13	0.49	2.33	2	1
1:B:686:ILE:HG23	1:C:686:ILE:CD1	0.49	2.37	3	1
1:A:756:ILE:HD12	1:A:756:ILE:N	0.49	2.23	6	3
1:B:843:ILE:H	1:B:843:ILE:HD13	0.49	1.66	12	1
1:B:695:LEU:HD21	1:B:699:PHE:CE2	0.49	2.42	1	1
1:B:855:LEU:HD13	1:B:855:LEU:C	0.49	2.33	2	1
1:C:685:PHE:O	1:C:689:VAL:HG23	0.49	2.07	2	2
1:A:708:VAL:HG11	1:B:713:SER:HA	0.49	1.83	3	1
1:A:791:GLU:HB3	1:B:753:LEU:HD23	0.49	1.85	7	2
1:A:793:LEU:CD1	1:A:847:ILE:HD11	0.49	2.38	7	1
1:B:694:GLY:HA2	1:B:697:ILE:HD13	0.49	1.84	7	1
1:C:793:LEU:HD12	1:C:848:ARG:CB	0.49	2.38	10	1
1:A:799:LEU:O	1:A:803:TRP:CD2	0.49	2.66	13	2
1:A:771:LEU:C	1:A:771:LEU:CD1	0.49	2.86	7	1
1:A:830:ILE:HD13	1:A:831:GLU:H	0.49	1.67	7	1
1:B:797:TRP:CD2	1:B:847:ILE:HD11	0.49	2.43	12	1
1:C:790:TRP:C	1:C:792:ALA:N	0.49	2.68	5	15
1:A:854:ILE:H	1:A:854:ILE:HD13	0.49	1.67	2	1
1:C:828:ARG:O	1:C:832:VAL:HG22	0.49	2.08	4	4
1:A:830:ILE:HD12	1:A:830:ILE:O	0.49	2.07	15	1
1:C:763:LEU:HD23	1:C:763:LEU:C	0.49	2.33	3	2
1:A:757:TRP:CH2	1:B:715:LEU:HD13	0.49	2.43	4	1
1:B:775:LEU:C	1:B:775:LEU:HD13	0.49	2.33	4	2
1:C:799:LEU:HD23	1:C:800:LEU:HG	0.49	1.84	4	1
1:A:756:ILE:O	1:A:760:LEU:HB3	0.49	2.06	15	4
1:A:785:LEU:HD11	1:B:746:ILE:HG23	0.49	1.85	5	1
1:C:819:ALA:HB1	1:C:826:THR:HB	0.49	1.85	13	4
1:A:792:ALA:HA	1:A:795:TYR:CE2	0.49	2.42	6	1
1:A:755:LEU:HD13	1:A:755:LEU:C	0.49	2.32	8	1
1:C:750:ASN:N	1:C:750:ASN:HD22	0.49	2.06	14	1
1:A:693:ILE:HD11	1:B:696:ARG:CD	0.48	2.38	1	1
1:B:843:ILE:O	1:B:843:ILE:HG23	0.48	2.08	1	5
1:B:820:ILE:O	1:B:822:VAL:N	0.48	2.46	4	1
1:B:781:ILE:HD13	1:C:746:ILE:CG2	0.48	2.38	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:672:TRP:O	1:C:674:ASP:N	0.48	2.46	15	1
1:A:695:LEU:HD22	1:A:696:ARG:NH1	0.48	2.23	3	1
1:B:713:SER:O	1:B:714:PRO:C	0.48	2.57	4	8
1:C:765:LEU:HD12	1:C:765:LEU:C	0.48	2.32	7	1
1:C:803:TRP:N	1:C:803:TRP:HE3	0.48	2.07	7	3
1:B:795:TYR:HH	1:C:757:TRP:CD1	0.48	2.26	8	1
1:A:820:ILE:HD12	1:A:827:ASP:CG	0.48	2.32	10	1
1:B:764:SER:HB2	1:B:771:LEU:HD12	0.48	1.84	10	1
1:B:756:ILE:C	1:B:756:ILE:HD13	0.48	2.33	13	1
1:B:830:ILE:HD13	1:B:830:ILE:O	0.48	2.08	8	1
1:B:815:LEU:CD2	1:B:830:ILE:HD13	0.48	2.38	11	1
1:B:836:ALA:O	1:B:840:ILE:HD13	0.48	2.09	11	1
1:B:843:ILE:HD13	1:B:843:ILE:N	0.48	2.23	12	1
1:C:830:ILE:HG22	1:C:834:GLN:NE2	0.48	2.22	13	1
1:C:799:LEU:HD23	1:C:800:LEU:H	0.48	1.68	3	1
1:B:774:LEU:C	1:B:774:LEU:HD13	0.48	2.33	4	1
1:A:820:ILE:HD11	1:A:827:ASP:HB3	0.48	1.84	6	1
1:B:663:LEU:C	1:B:663:LEU:HD12	0.48	2.33	9	1
1:C:683:ARG:O	1:C:687:ILE:HD12	0.48	2.08	10	1
1:B:771:LEU:HD23	1:B:771:LEU:N	0.48	2.23	15	2
1:B:791:GLU:OE2	1:C:753:LEU:HD13	0.48	2.08	15	1
1:A:753:LEU:C	1:A:753:LEU:CD2	0.48	2.85	6	2
1:A:704:LEU:HD12	1:B:712:TYR:O	0.48	2.08	5	1
1:A:795:TYR:CD2	1:B:753:LEU:HA	0.48	2.43	6	1
1:B:803:TRP:CH2	1:C:768:TYR:CZ	0.48	3.02	7	1
1:B:672:TRP:N	1:B:672:TRP:CD1	0.48	2.81	8	2
1:B:702:LEU:C	1:B:702:LEU:CD1	0.48	2.87	10	2
1:C:694:GLY:O	1:C:697:ILE:HG22	0.48	2.08	2	1
1:B:855:LEU:C	1:B:855:LEU:HD12	0.48	2.33	11	1
1:A:675:ILE:HD11	1:A:678:TRP:CE3	0.48	2.44	12	1
1:A:820:ILE:HD11	1:A:827:ASP:OD2	0.48	2.09	14	1
1:B:779:THR:O	1:B:782:VAL:HG12	0.48	2.09	1	1
1:A:693:ILE:HD13	1:A:693:ILE:C	0.48	2.34	3	1
1:B:742:ARG:O	1:B:746:ILE:HD12	0.48	2.09	5	1
1:A:771:LEU:HD12	1:A:772:ARG:CZ	0.48	2.38	7	1
1:A:771:LEU:HD23	1:A:771:LEU:N	0.48	2.23	13	1
1:A:753:LEU:HA	1:C:791:GLU:CD	0.48	2.34	14	1
1:A:760:LEU:CD2	1:A:763:LEU:HD21	0.48	2.38	14	1
1:B:685:PHE:HA	1:B:688:ILE:HD12	0.48	1.85	2	1
1:C:828:ARG:O	1:C:832:VAL:HG13	0.48	2.09	14	3
1:C:660:LEU:HD12	1:C:661:LEU:H	0.48	1.69	14	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:790:TRP:C	1:B:792:ALA:N	0.48	2.70	6	15
1:A:771:LEU:HD22	1:A:771:LEU:H	0.48	1.69	4	2
1:C:702:LEU:HD13	1:C:702:LEU:C	0.48	2.33	4	1
1:C:781:ILE:O	1:C:781:ILE:HD13	0.48	2.08	9	1
1:B:760:LEU:C	1:B:760:LEU:HD23	0.48	2.34	15	1
1:C:775:LEU:C	1:C:775:LEU:HD13	0.48	2.34	15	1
1:B:748:LEU:C	1:B:748:LEU:HD12	0.48	2.34	9	1
1:B:771:LEU:HD23	1:B:772:ARG:HD2	0.48	1.85	10	1
1:C:851:LEU:C	1:C:851:LEU:HD13	0.48	2.34	12	1
1:C:771:LEU:C	1:C:771:LEU:HD12	0.48	2.34	14	1
1:A:753:LEU:HD22	1:A:753:LEU:O	0.47	2.09	1	2
1:A:750:ASN:HD21	1:C:785:LEU:HD23	0.47	1.69	15	2
1:A:843:ILE:N	1:A:843:ILE:HD12	0.47	2.24	3	1
1:A:696:ARG:HG3	1:C:693:ILE:HD11	0.47	1.86	12	2
1:C:816:ASN:O	1:C:820:ILE:HD13	0.47	2.09	4	1
1:B:768:TYR:HD1	1:B:771:LEU:HD11	0.47	1.69	10	1
1:A:791:GLU:CB	1:B:753:LEU:HD22	0.47	2.39	12	1
1:C:748:LEU:C	1:C:748:LEU:HD13	0.47	2.34	12	1
1:B:697:ILE:HD11	1:C:699:PHE:CE1	0.47	2.44	1	1
1:B:686:ILE:HG23	1:C:686:ILE:HD11	0.47	1.84	3	1
1:A:785:LEU:HD13	1:B:749:VAL:CG2	0.47	2.38	5	1
1:A:692:LEU:HD23	1:C:693:ILE:CD1	0.47	2.38	6	1
1:A:799:LEU:HD13	1:B:756:ILE:HG22	0.47	1.84	9	1
1:B:785:LEU:HD21	1:C:747:ARG:NH1	0.47	2.24	15	1
1:B:803:TRP:CE3	1:B:803:TRP:N	0.47	2.83	4	3
1:B:742:ARG:O	1:B:746:ILE:HD13	0.47	2.09	3	1
1:B:808:LYS:O	1:B:812:VAL:HG12	0.47	2.09	14	3
1:A:792:ALA:O	1:A:795:TYR:CD2	0.47	2.67	14	4
1:B:797:TRP:CE2	1:B:847:ILE:HD11	0.47	2.44	10	1
1:B:815:LEU:HD21	1:B:830:ILE:HD13	0.47	1.85	11	1
1:B:820:ILE:HD11	1:B:827:ASP:HB2	0.47	1.86	11	1
1:A:774:LEU:HD21	1:B:742:ARG:NH2	0.47	2.24	13	1
1:B:705:VAL:HG12	1:B:709:ARG:NH2	0.47	2.24	13	1
1:A:796:TRP:NE1	1:B:756:ILE:HD13	0.47	2.23	1	1
1:A:663:LEU:C	1:A:663:LEU:HD23	0.47	2.35	13	5
1:A:830:ILE:C	1:A:830:ILE:HD12	0.47	2.34	10	2
1:A:851:LEU:HD13	1:A:851:LEU:O	0.47	2.08	4	1
1:B:806:GLU:OE2	1:C:771:LEU:HD21	0.47	2.09	4	1
1:A:763:LEU:HD23	1:A:763:LEU:C	0.47	2.35	6	2
1:A:793:LEU:HD12	1:A:797:TRP:HE1	0.47	1.67	11	1
1:B:675:ILE:HD12	1:B:678:TRP:CE3	0.47	2.45	2	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:855:LEU:HD23	1:B:855:LEU:O	0.47	2.09	1	1
1:B:771:LEU:HD13	1:B:771:LEU:H	0.47	1.68	6	1
1:C:799:LEU:O	1:C:803:TRP:CE3	0.47	2.68	7	1
1:B:695:LEU:C	1:B:695:LEU:HD23	0.47	2.35	14	2
1:B:854:ILE:O	1:B:854:ILE:HG22	0.47	2.09	2	2
1:B:793:LEU:HD12	1:B:797:TRP:NE1	0.47	2.25	3	1
1:C:808:LYS:O	1:C:812:VAL:HG23	0.47	2.09	4	5
1:C:755:LEU:C	1:C:755:LEU:HD23	0.47	2.34	7	1
1:A:760:LEU:HD23	1:A:760:LEU:C	0.47	2.34	8	1
1:C:855:LEU:HD12	1:C:855:LEU:C	0.47	2.35	9	1
1:B:768:TYR:CD1	1:B:771:LEU:HD11	0.47	2.43	10	1
1:B:785:LEU:HD21	1:C:750:ASN:ND2	0.47	2.24	2	1
1:A:757:TRP:C	1:A:757:TRP:CD1	0.47	2.92	4	1
1:C:771:LEU:C	1:C:771:LEU:HD22	0.47	2.35	4	2
1:A:742:ARG:O	1:A:746:ILE:HD12	0.47	2.10	6	1
1:C:748:LEU:HD13	1:C:748:LEU:C	0.47	2.35	11	2
1:B:700:ALA:HB1	1:C:703:SER:OG	0.47	2.10	10	1
1:B:843:ILE:C	1:B:843:ILE:HD13	0.47	2.34	11	1
1:C:775:LEU:HD22	1:C:775:LEU:O	0.47	2.09	11	1
1:A:705:VAL:HG11	1:A:745:SER:CB	0.47	2.39	12	1
1:A:847:ILE:HG23	1:A:848:ARG:N	0.47	2.25	12	1
1:C:663:LEU:HD13	1:C:663:LEU:H	0.47	1.69	12	1
1:B:660:LEU:N	1:B:660:LEU:HD12	0.47	2.25	13	1
1:A:753:LEU:HA	1:C:791:GLU:OE2	0.47	2.09	14	1
1:A:770:ARG:O	1:A:774:LEU:N	0.47	2.48	11	5
1:A:715:LEU:HD12	1:C:751:GLY:HA3	0.47	1.87	2	1
1:B:687:ILE:HD12	1:B:687:ILE:H	0.47	1.69	2	1
1:B:754:ALA:HB1	1:C:715:LEU:HB3	0.47	1.87	3	1
1:C:808:LYS:O	1:C:812:VAL:HG12	0.47	2.09	11	2
1:A:765:LEU:HD12	1:A:770:ARG:HH21	0.47	1.68	1	1
1:C:829:VAL:O	1:C:833:VAL:HG12	0.47	2.09	1	1
1:A:781:ILE:HG21	1:B:746:ILE:HG21	0.47	1.87	8	2
1:A:746:ILE:CG2	1:C:781:ILE:HG21	0.47	2.40	5	3
1:A:748:LEU:C	1:A:748:LEU:HD13	0.47	2.34	6	1
1:A:750:ASN:HD21	1:C:785:LEU:HD13	0.47	1.69	6	1
1:B:705:VAL:CG2	1:B:748:LEU:HD13	0.47	2.40	6	1
1:C:793:LEU:HD12	1:C:848:ARG:HB2	0.47	1.87	10	1
1:A:836:ALA:O	1:A:840:ILE:HD13	0.47	2.09	11	1
1:B:794:LYS:HD3	1:B:795:TYR:N	0.47	2.25	2	5
1:A:785:LEU:C	1:A:785:LEU:HD12	0.47	2.35	4	1
1:A:791:GLU:O	1:A:795:TYR:CD2	0.47	2.68	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:750:ASN:O	1:C:753:LEU:HD12	0.47	2.10	7	1
1:A:663:LEU:HD13	1:B:660:LEU:CB	0.47	2.40	8	1
1:C:695:LEU:HD23	1:C:695:LEU:C	0.47	2.35	8	1
1:A:707:ARG:NH2	1:A:712:TYR:CZ	0.47	2.83	11	1
1:B:777:ILE:HD13	1:B:777:ILE:C	0.47	2.34	12	1
1:A:669:LEU:HD12	1:A:676:THR:HG23	0.46	1.86	1	1
1:B:841:ARG:O	1:B:842:HIS:C	0.46	2.58	4	2
1:C:847:ILE:H	1:C:847:ILE:HD13	0.46	1.69	9	2
1:C:760:LEU:C	1:C:760:LEU:HD23	0.46	2.35	8	2
1:B:796:TRP:CD1	1:C:756:ILE:HD11	0.46	2.45	3	1
1:C:832:VAL:O	1:C:836:ALA:HB2	0.46	2.10	5	2
1:A:820:ILE:HD12	1:A:820:ILE:N	0.46	2.25	12	3
1:A:790:TRP:CE2	1:A:793:LEU:HD23	0.46	2.45	15	2
1:A:707:ARG:HB3	1:C:704:LEU:HD21	0.46	1.86	12	2
1:A:760:LEU:C	1:A:760:LEU:HD22	0.46	2.35	12	1
1:A:802:TYR:CD1	1:B:768:TYR:CZ	0.46	3.03	14	1
1:B:765:LEU:C	1:B:765:LEU:HD12	0.46	2.35	1	1
1:B:799:LEU:HD13	1:C:756:ILE:HG23	0.46	1.87	2	1
1:B:821:ALA:C	1:B:822:VAL:HG22	0.46	2.36	4	1
1:A:748:LEU:HD23	1:A:748:LEU:C	0.46	2.35	11	1
1:C:687:ILE:H	1:C:687:ILE:HD12	0.46	1.70	13	1
1:A:771:LEU:H	1:A:771:LEU:CD1	0.46	2.22	15	1
1:A:678:TRP:CD1	1:A:682:ILE:HD13	0.46	2.45	2	2
1:B:822:VAL:HG12	1:B:826:THR:CG2	0.46	2.38	8	1
1:B:748:LEU:C	1:B:748:LEU:HD23	0.46	2.35	14	1
1:B:675:ILE:HD12	1:B:675:ILE:C	0.46	2.34	12	2
1:B:679:LEU:HD13	1:B:679:LEU:O	0.46	2.10	5	1
1:A:692:LEU:HD23	1:C:693:ILE:HD11	0.46	1.87	6	1
1:B:828:ARG:O	1:B:832:VAL:HG13	0.46	2.11	10	3
1:B:684:ILE:HD12	1:B:684:ILE:N	0.46	2.25	8	3
1:C:826:THR:O	1:C:829:VAL:HG22	0.46	2.10	11	1
1:C:702:LEU:HD22	1:C:702:LEU:C	0.46	2.36	12	1
1:C:774:LEU:HD13	1:C:774:LEU:C	0.46	2.35	12	1
1:A:771:LEU:HD13	1:A:771:LEU:N	0.46	2.23	15	2
1:B:855:LEU:HD22	1:B:855:LEU:C	0.46	2.34	12	2
1:C:790:TRP:CE3	1:C:793:LEU:HD12	0.46	2.46	5	1
1:A:763:LEU:HB2	1:A:774:LEU:HD22	0.46	1.88	7	1
1:C:843:ILE:HD13	1:C:843:ILE:O	0.46	2.10	13	1
1:A:779:THR:O	1:A:782:VAL:HG12	0.46	2.10	2	1
1:C:856:LEU:HD22	1:C:856:LEU:O	0.46	2.11	7	1
1:C:695:LEU:C	1:C:695:LEU:CD2	0.46	2.87	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:795:TYR:CD1	1:A:795:TYR:C	0.46	2.94	11	1
1:B:669:LEU:HD12	1:B:676:THR:HG23	0.46	1.86	1	1
1:A:847:ILE:HD13	1:A:847:ILE:H	0.46	1.70	3	1
1:C:764:SER:O	1:C:765:LEU:O	0.46	2.33	7	1
1:B:843:ILE:HD13	1:B:844:PRO:N	0.46	2.26	11	1
1:A:707:ARG:CG	1:C:704:LEU:HD11	0.46	2.40	1	1
1:B:763:LEU:C	1:B:763:LEU:HD23	0.46	2.36	6	2
1:C:663:LEU:HD13	1:C:664:ASP:H	0.46	1.71	2	1
1:A:771:LEU:HD12	1:A:771:LEU:C	0.46	2.36	3	1
1:A:693:ILE:HG13	1:B:693:ILE:HG22	0.46	1.88	5	1
1:A:700:ALA:HB1	1:B:703:SER:OG	0.46	2.11	6	1
1:A:753:LEU:HD22	1:C:788:ARG:O	0.46	2.10	8	1
1:C:705:VAL:HG22	1:C:748:LEU:HD11	0.46	1.87	9	1
1:C:822:VAL:HG22	1:C:823:GLY:N	0.46	2.26	12	1
1:A:843:ILE:O	1:A:843:ILE:HG23	0.46	2.11	14	1
1:B:774:LEU:O	1:B:777:ILE:HG13	0.46	2.11	14	1
1:C:819:ALA:HB3	1:C:826:THR:CG2	0.46	2.24	14	1
1:A:847:ILE:HD13	1:A:847:ILE:N	0.46	2.26	1	1
1:B:768:TYR:C	1:B:770:ARG:H	0.46	2.18	5	3
1:A:781:ILE:HG21	1:B:746:ILE:HG22	0.46	1.87	2	1
1:C:675:ILE:HD12	1:C:678:TRP:CE3	0.46	2.45	8	2
1:A:686:ILE:CD1	1:C:686:ILE:HG21	0.46	2.41	5	1
1:C:661:LEU:HD22	1:C:661:LEU:N	0.46	2.26	6	1
1:C:790:TRP:CH2	1:C:851:LEU:HD22	0.46	2.46	6	1
1:B:705:VAL:HG22	1:C:714:PRO:HG3	0.46	1.87	10	1
1:B:845:ARG:O	1:B:846:ARG:C	0.46	2.59	11	1
1:C:799:LEU:HD22	1:C:803:TRP:CE2	0.46	2.44	11	1
1:A:796:TRP:CD1	1:A:799:LEU:HD12	0.46	2.45	15	1
1:C:662:GLU:O	1:C:663:LEU:HD12	0.46	2.10	15	1
1:C:715:LEU:HD13	1:C:715:LEU:C	0.45	2.35	2	1
1:A:803:TRP:CE3	1:A:803:TRP:N	0.45	2.84	3	2
1:B:667:ALA:HB2	1:C:660:LEU:CD2	0.45	2.41	5	1
1:B:750:ASN:ND2	1:B:750:ASN:H	0.45	2.09	6	3
1:B:812:VAL:HG21	1:B:834:GLN:HG3	0.45	1.87	8	1
1:C:819:ALA:HB1	1:C:826:THR:CB	0.45	2.41	8	1
1:B:775:LEU:HD22	1:B:775:LEU:C	0.45	2.36	11	1
1:A:829:VAL:O	1:A:833:VAL:HG12	0.45	2.11	15	1
1:B:814:LEU:C	1:B:814:LEU:HD13	0.45	2.36	4	1
1:C:778:VAL:HA	1:C:781:ILE:HD12	0.45	1.87	4	1
1:A:693:ILE:O	1:A:693:ILE:HD13	0.45	2.12	5	2
1:A:774:LEU:C	1:A:774:LEU:HD23	0.45	2.36	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:775:LEU:HD13	1:B:776:LEU:N	0.45	2.26	11	1
1:B:711:GLY:O	1:B:713:SER:N	0.45	2.48	12	1
1:A:714:PRO:CG	1:C:705:VAL:HG22	0.45	2.41	1	2
1:A:675:ILE:HD13	1:A:675:ILE:C	0.45	2.36	5	2
1:A:777:ILE:O	1:A:781:ILE:HD12	0.45	2.11	9	1
1:B:792:ALA:HA	1:B:795:TYR:CZ	0.45	2.47	11	1
1:C:822:VAL:HG13	1:C:823:GLY:H	0.45	1.71	12	1
1:A:702:LEU:HD13	1:A:706:ASN:OD1	0.45	2.12	1	1
1:B:771:LEU:HA	1:B:774:LEU:HD23	0.45	1.88	2	1
1:A:795:TYR:CZ	1:A:796:TRP:CD1	0.45	3.05	5	2
1:B:834:GLN:HG3	1:B:835:GLY:N	0.45	2.26	5	1
1:C:705:VAL:HG21	1:C:748:LEU:HD22	0.45	1.88	5	1
1:A:856:LEU:C	1:A:856:LEU:HD12	0.45	2.36	7	1
1:A:756:ILE:HG23	1:C:799:LEU:CD2	0.45	2.41	12	1
1:A:689:VAL:O	1:A:692:LEU:HD11	0.45	2.10	13	1
1:A:833:VAL:HG23	1:A:834:GLN:NE2	0.45	2.27	6	1
1:C:785:LEU:HD12	1:C:786:GLY:N	0.45	2.27	6	1
1:B:697:ILE:HD12	1:B:697:ILE:N	0.45	2.26	7	1
1:B:753:LEU:O	1:B:756:ILE:HG22	0.45	2.12	15	2
1:A:693:ILE:HG21	1:B:693:ILE:HG22	0.45	1.87	11	2
1:A:791:GLU:OE2	1:B:753:LEU:HD13	0.45	2.10	12	2
1:B:820:ILE:HD11	1:B:827:ASP:CB	0.45	2.41	11	1
1:A:683:ARG:O	1:A:687:ILE:HD12	0.45	2.11	13	1
1:A:816:ASN:HA	1:A:830:ILE:HG21	0.45	1.89	8	1
1:A:778:VAL:O	1:A:782:VAL:HG23	0.45	2.11	9	1
1:B:830:ILE:C	1:B:830:ILE:HD12	0.45	2.37	1	1
1:A:744:ARG:O	1:A:747:ARG:HB2	0.45	2.12	9	1
1:B:791:GLU:HB3	1:C:753:LEU:HD23	0.45	1.89	9	1
1:B:762:SER:O	1:B:765:LEU:HD23	0.45	2.11	14	1
1:A:705:VAL:HG21	1:A:748:LEU:CD1	0.45	2.40	10	1
1:A:828:ARG:O	1:A:832:VAL:HG23	0.45	2.12	9	2
1:B:744:ARG:O	1:B:747:ARG:HB2	0.45	2.11	3	1
1:C:660:LEU:C	1:C:660:LEU:HD12	0.45	2.37	8	1
1:A:710:GLN:CD	1:A:715:LEU:HD22	0.45	2.37	9	1
1:A:791:GLU:HG2	1:B:753:LEU:HD23	0.45	1.89	10	1
1:B:791:GLU:OE1	1:C:753:LEU:HD23	0.45	2.12	11	1
1:A:686:ILE:CG1	1:B:686:ILE:HD11	0.45	2.42	12	1
1:B:704:LEU:HD13	1:C:707:ARG:HB2	0.45	1.89	13	1
1:C:776:LEU:O	1:C:776:LEU:HD23	0.45	2.11	14	2
1:A:678:TRP:CD1	1:A:678:TRP:C	0.45	2.94	6	2
1:C:856:LEU:C	1:C:856:LEU:HD23	0.45	2.37	6	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:854:ILE:C	1:A:854:ILE:HD12	0.45	2.37	9	1
1:A:756:ILE:HG23	1:C:799:LEU:HD21	0.45	1.89	12	1
1:A:692:LEU:HD12	1:A:693:ILE:H	0.45	1.71	13	1
1:C:843:ILE:N	1:C:844:PRO:CD	0.45	2.80	13	2
1:A:819:ALA:O	1:A:822:VAL:HG22	0.44	2.12	11	1
1:B:771:LEU:HD22	1:B:771:LEU:H	0.44	1.72	1	1
1:A:777:ILE:HD12	1:A:778:VAL:N	0.44	2.28	8	1
1:B:771:LEU:HD23	1:B:772:ARG:CD	0.44	2.42	10	1
1:B:803:TRP:CE3	1:C:768:TYR:CZ	0.44	3.05	13	1
1:A:760:LEU:HD23	1:C:799:LEU:CD2	0.44	2.41	1	1
1:A:790:TRP:CE3	1:A:790:TRP:HA	0.44	2.47	5	2
1:C:829:VAL:O	1:C:833:VAL:HG23	0.44	2.12	4	2
1:A:663:LEU:HD11	1:B:660:LEU:HB2	0.44	1.88	5	1
1:A:750:ASN:ND2	1:C:785:LEU:HD13	0.44	2.26	6	1
1:B:663:LEU:C	1:B:663:LEU:HD23	0.44	2.38	6	1
1:A:795:TYR:CE2	1:A:796:TRP:CD1	0.44	3.06	14	2
1:B:704:LEU:HD13	1:B:704:LEU:O	0.44	2.13	9	1
1:C:771:LEU:HD13	1:C:771:LEU:N	0.44	2.26	10	1
1:B:791:GLU:CD	1:C:753:LEU:HD23	0.44	2.37	11	1
1:B:856:LEU:HD12	1:B:856:LEU:C	0.44	2.36	11	1
1:A:760:LEU:HD13	1:A:760:LEU:C	0.44	2.38	13	1
1:B:704:LEU:HD21	1:C:707:ARG:HA	0.44	1.90	2	1
1:B:756:ILE:O	1:B:760:LEU:HB3	0.44	2.12	11	2
1:C:816:ASN:OD1	1:C:830:ILE:HG21	0.44	2.13	3	1
1:C:765:LEU:O	1:C:766:PHE:C	0.44	2.61	6	1
1:B:663:LEU:HD13	1:B:663:LEU:C	0.44	2.38	7	1
1:B:693:ILE:HD13	1:C:696:ARG:NE	0.44	2.26	12	1
1:A:669:LEU:HD22	1:A:669:LEU:N	0.44	2.27	3	1
1:A:795:TYR:HA	1:B:756:ILE:HD13	0.44	1.88	5	1
1:C:705:VAL:HG21	1:C:748:LEU:HD12	0.44	1.88	7	1
1:B:682:ILE:C	1:B:682:ILE:CD1	0.44	2.90	13	1
1:B:785:LEU:HD21	1:C:750:ASN:CG	0.44	2.37	2	2
1:A:793:LEU:C	1:A:793:LEU:HD12	0.44	2.38	2	1
1:A:693:ILE:HD11	1:B:696:ARG:CZ	0.44	2.41	4	1
1:B:699:PHE:CD2	1:B:702:LEU:HD23	0.44	2.47	12	1
1:C:791:GLU:OE2	1:C:791:GLU:C	0.44	2.60	14	1
1:A:741:ASP:O	1:A:745:SER:N	0.44	2.50	3	2
1:B:793:LEU:HD23	1:B:793:LEU:C	0.44	2.37	8	1
1:A:847:ILE:C	1:A:847:ILE:HD12	0.44	2.38	9	1
1:B:816:ASN:OD1	1:B:830:ILE:HD11	0.44	2.12	1	1
1:C:756:ILE:O	1:C:760:LEU:HG	0.44	2.13	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:763:LEU:O	1:B:774:LEU:CB	0.44	2.66	14	2
1:B:806:GLU:HG3	1:C:771:LEU:HD11	0.44	1.90	5	1
1:C:682:ILE:HD13	1:C:683:ARG:H	0.44	1.71	8	1
1:A:747:ARG:NE	1:C:785:LEU:HD21	0.44	2.27	9	1
1:C:793:LEU:O	1:C:797:TRP:CD1	0.44	2.71	12	1
1:A:777:ILE:HD13	1:A:777:ILE:C	0.44	2.37	14	1
1:B:819:ALA:CB	1:B:830:ILE:HD11	0.44	2.42	15	1
1:A:712:TYR:O	1:C:704:LEU:HD11	0.44	2.13	3	2
1:B:774:LEU:O	1:B:778:VAL:HG23	0.44	2.12	3	1
1:A:826:THR:O	1:A:830:ILE:HD12	0.44	2.12	5	1
1:B:771:LEU:H	1:B:771:LEU:HD22	0.44	1.73	10	2
1:A:768:TYR:C	1:A:769:HIS:CG	0.44	2.96	8	1
1:C:822:VAL:HG12	1:C:822:VAL:O	0.44	2.12	10	1
1:A:771:LEU:O	1:A:774:LEU:HD23	0.44	2.13	12	1
1:C:673:PHE:O	1:C:674:ASP:CB	0.43	2.66	2	1
1:C:678:TRP:CD1	1:C:678:TRP:C	0.43	2.96	14	4
1:B:797:TRP:CD1	1:B:847:ILE:HG21	0.43	2.48	3	1
1:A:821:ALA:C	1:A:822:VAL:HG22	0.43	2.38	5	1
1:A:795:TYR:CD1	1:B:756:ILE:HD13	0.43	2.48	6	1
1:B:754:ALA:HB1	1:C:715:LEU:O	0.43	2.13	6	1
1:A:760:LEU:HD23	1:A:763:LEU:HD21	0.43	1.89	7	1
1:B:796:TRP:CD1	1:C:756:ILE:HD13	0.43	2.48	7	1
1:B:710:GLN:OE1	1:B:715:LEU:HD11	0.43	2.13	8	1
1:A:715:LEU:O	1:C:754:ALA:HB1	0.43	2.13	9	1
1:B:769:HIS:N	1:B:771:LEU:HD22	0.43	2.28	11	1
1:C:703:SER:O	1:C:706:ASN:ND2	0.43	2.52	11	1
1:B:803:TRP:CE2	1:C:768:TYR:OH	0.43	2.65	13	1
1:A:679:LEU:HD21	1:C:683:ARG:HH12	0.43	1.73	15	1
1:A:686:ILE:CG2	1:B:686:ILE:HD11	0.43	2.43	15	1
1:B:688:ILE:HD12	1:B:688:ILE:N	0.43	2.28	10	3
1:B:753:LEU:C	1:B:753:LEU:HD12	0.43	2.38	9	2
1:C:799:LEU:O	1:C:803:TRP:CE2	0.43	2.71	5	1
1:C:695:LEU:HD23	1:C:695:LEU:O	0.43	2.13	6	1
1:C:790:TRP:O	1:C:790:TRP:CD1	0.43	2.71	6	1
1:C:749:VAL:HG23	1:C:750:ASN:N	0.43	2.29	8	1
1:A:771:LEU:HD21	1:C:806:GLU:HG2	0.43	1.89	15	1
1:C:830:ILE:C	1:C:830:ILE:CD1	0.43	2.90	1	2
1:B:774:LEU:HD13	1:B:774:LEU:O	0.43	2.13	10	1
1:C:822:VAL:HG22	1:C:822:VAL:O	0.43	2.12	11	1
1:B:768:TYR:O	1:B:771:LEU:CD1	0.43	2.66	12	1
1:A:663:LEU:HD23	1:A:663:LEU:O	0.43	2.14	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:830:ILE:HG23	1:A:831:GLU:N	0.43	2.29	1	1
1:A:774:LEU:C	1:A:774:LEU:HD12	0.43	2.38	3	3
1:B:707:ARG:NH1	1:C:712:TYR:O	0.43	2.52	7	1
1:B:847:ILE:HD11	1:B:851:LEU:CD1	0.43	2.44	7	1
1:B:768:TYR:O	1:B:769:HIS:CG	0.43	2.71	8	1
1:B:836:ALA:O	1:B:840:ILE:HD12	0.43	2.13	8	2
1:B:748:LEU:HD13	1:B:748:LEU:C	0.43	2.38	11	1
1:C:778:VAL:O	1:C:782:VAL:HG23	0.43	2.13	15	1
1:A:747:ARG:O	1:A:750:ASN:N	0.43	2.52	4	2
1:B:856:LEU:C	1:B:856:LEU:HD23	0.43	2.38	5	1
1:C:715:LEU:C	1:C:715:LEU:CD2	0.43	2.91	9	1
1:B:785:LEU:HD23	1:C:750:ASN:CB	0.43	2.43	10	1
1:A:815:LEU:C	1:A:830:ILE:HD11	0.43	2.38	12	2
1:C:742:ARG:O	1:C:746:ILE:HD12	0.43	2.14	12	1
1:C:851:LEU:HD13	1:C:851:LEU:O	0.43	2.14	12	1
1:B:771:LEU:HD23	1:B:771:LEU:H	0.43	1.73	13	1
1:B:820:ILE:O	1:B:821:ALA:C	0.43	2.61	13	1
1:A:704:LEU:N	1:A:704:LEU:HD22	0.43	2.28	14	1
1:B:760:LEU:C	1:B:760:LEU:CD1	0.43	2.91	3	1
1:A:756:ILE:O	1:A:760:LEU:CD1	0.43	2.67	4	1
1:B:803:TRP:HH2	1:C:760:LEU:HD22	0.43	1.69	4	1
1:B:812:VAL:HG12	1:B:816:ASN:OD1	0.43	2.13	8	1
1:A:771:LEU:HD21	1:C:806:GLU:HB2	0.43	1.90	14	1
1:C:776:LEU:C	1:C:776:LEU:HD12	0.43	2.39	2	1
1:C:797:TRP:HE1	1:C:847:ILE:HD13	0.43	1.74	2	1
1:A:747:ARG:O	1:A:750:ASN:HB2	0.43	2.12	4	1
1:A:822:VAL:CG2	1:A:826:THR:HG21	0.43	2.44	5	1
1:B:763:LEU:HD22	1:B:764:SER:H	0.43	1.73	7	1
1:A:832:VAL:HG23	1:A:833:VAL:N	0.43	2.28	11	2
1:A:847:ILE:HD12	1:A:848:ARG:N	0.43	2.28	11	2
1:B:750:ASN:HD22	1:B:750:ASN:N	0.43	2.12	11	1
1:B:669:LEU:HD22	1:B:679:LEU:HD22	0.43	1.90	13	1
1:B:812:VAL:HG22	1:B:816:ASN:OD1	0.43	2.14	14	1
1:C:660:LEU:HD12	1:C:661:LEU:N	0.43	2.29	14	1
1:C:693:ILE:HD12	1:C:693:ILE:C	0.43	2.38	1	3
1:B:704:LEU:HD11	1:C:707:ARG:HB3	0.43	1.89	2	1
1:C:689:VAL:O	1:C:693:ILE:HG23	0.43	2.14	3	1
1:C:763:LEU:HD23	1:C:764:SER:N	0.43	2.29	13	3
1:B:850:GLY:O	1:B:854:ILE:HD12	0.43	2.14	4	1
1:B:799:LEU:HD12	1:C:756:ILE:HD12	0.43	1.91	6	1
1:C:851:LEU:C	1:C:851:LEU:HD23	0.43	2.38	8	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:662:GLU:O	1:B:663:LEU:CB	0.43	2.67	7	1
1:A:795:TYR:HB2	1:B:756:ILE:HB	0.43	1.91	8	1
1:B:797:TRP:HE1	1:B:847:ILE:HG21	0.43	1.74	9	1
1:A:795:TYR:OH	1:B:755:LEU:HD23	0.43	2.13	11	1
1:A:704:LEU:HD11	1:B:707:ARG:HG2	0.43	1.90	12	1
1:C:820:ILE:HD12	1:C:827:ASP:CG	0.43	2.39	12	1
1:B:793:LEU:HD13	1:B:793:LEU:C	0.43	2.38	13	1
1:B:803:TRP:CZ3	1:C:768:TYR:CE1	0.43	3.06	15	1
1:B:672:TRP:O	1:B:673:PHE:C	0.43	2.62	1	2
1:C:799:LEU:O	1:C:803:TRP:CD2	0.43	2.71	8	2
1:C:675:ILE:HD13	1:C:675:ILE:C	0.43	2.39	10	2
1:B:774:LEU:O	1:B:777:ILE:HD12	0.43	2.14	11	1
1:A:776:LEU:HD12	1:A:777:ILE:N	0.43	2.29	13	1
1:A:696:ARG:NE	1:C:693:ILE:HD11	0.43	2.29	1	1
1:A:790:TRP:CD1	1:A:793:LEU:HD23	0.43	2.49	2	1
1:A:765:LEU:HD13	1:A:765:LEU:C	0.43	2.39	4	1
1:A:781:ILE:O	1:A:785:LEU:HG	0.43	2.14	5	1
1:A:843:ILE:C	1:A:843:ILE:HD13	0.43	2.39	15	2
1:B:747:ARG:HA	1:B:750:ASN:HD21	0.43	1.74	6	1
1:B:739:GLU:N	1:B:739:GLU:CD	0.43	2.76	8	1
1:A:715:LEU:HD12	1:A:715:LEU:N	0.43	2.29	11	1
1:A:776:LEU:O	1:A:779:THR:HG22	0.43	2.14	11	1
1:A:795:TYR:CZ	1:A:796:TRP:CE2	0.43	3.07	14	1
1:B:833:VAL:HG23	1:B:834:GLN:N	0.43	2.29	15	1
1:B:758:ASP:CG	1:C:715:LEU:HD11	0.42	2.39	3	1
1:C:797:TRP:CB	1:C:847:ILE:HD12	0.42	2.44	3	1
1:C:790:TRP:CD1	1:C:790:TRP:C	0.42	2.96	6	1
1:B:704:LEU:HD12	1:C:714:PRO:HA	0.42	1.91	9	1
1:A:768:TYR:CZ	1:C:802:TYR:CD2	0.42	3.06	12	1
1:A:819:ALA:HB1	1:A:826:THR:CB	0.42	2.44	12	1
1:C:756:ILE:H	1:C:756:ILE:HD13	0.42	1.74	12	1
1:B:704:LEU:HD13	1:C:707:ARG:CB	0.42	2.44	13	1
1:C:675:ILE:HD11	1:C:678:TRP:CE3	0.42	2.49	15	1
1:A:746:ILE:O	1:A:749:VAL:HG23	0.42	2.13	14	2
1:C:670:TRP:N	1:C:670:TRP:CD1	0.42	2.87	3	1
1:B:791:GLU:HG2	1:C:753:LEU:HD13	0.42	1.92	5	1
1:C:770:ARG:O	1:C:774:LEU:N	0.42	2.52	12	1
1:B:771:LEU:HD21	1:B:772:ARG:HE	0.42	1.74	14	1
1:A:774:LEU:HD21	1:B:742:ARG:CZ	0.42	2.44	1	1
1:A:793:LEU:HD11	1:A:848:ARG:HB2	0.42	1.89	2	1
1:B:771:LEU:HD13	1:B:772:ARG:H	0.42	1.74	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:775:LEU:O	1:C:778:VAL:HG12	0.42	2.14	2	1
1:A:747:ARG:O	1:A:751:GLY:N	0.42	2.52	7	1
1:C:843:ILE:HD13	1:C:843:ILE:N	0.42	2.28	7	1
1:A:695:LEU:HD23	1:A:695:LEU:C	0.42	2.39	8	1
1:A:750:ASN:HB3	1:C:785:LEU:HD23	0.42	1.90	11	1
1:B:677:ASN:O	1:B:681:TYR:CZ	0.42	2.72	11	1
1:C:791:GLU:O	1:C:794:LYS:HD2	0.42	2.15	12	1
1:C:830:ILE:HG23	1:C:831:GLU:N	0.42	2.29	12	1
1:C:660:LEU:HD12	1:C:660:LEU:O	0.42	2.15	1	1
1:C:833:VAL:HG23	1:C:834:GLN:N	0.42	2.29	12	6
1:A:793:LEU:HD21	1:A:847:ILE:CG1	0.42	2.41	4	1
1:A:812:VAL:HG13	1:A:834:GLN:OE1	0.42	2.15	5	1
1:A:705:VAL:O	1:A:708:VAL:HG23	0.42	2.15	7	1
1:A:816:ASN:CB	1:A:830:ILE:HD11	0.42	2.44	7	1
1:A:830:ILE:HD13	1:A:830:ILE:C	0.42	2.39	8	1
1:A:675:ILE:HD12	1:A:679:LEU:HD21	0.42	1.90	9	1
1:C:753:LEU:O	1:C:756:ILE:HG22	0.42	2.15	14	1
1:C:820:ILE:O	1:C:821:ALA:C	0.42	2.62	15	1
1:C:688:ILE:HD12	1:C:688:ILE:N	0.42	2.29	1	1
1:B:756:ILE:HD13	1:B:756:ILE:C	0.42	2.38	2	1
1:A:803:TRP:CH2	1:B:768:TYR:CZ	0.42	3.06	3	1
1:B:830:ILE:HG23	1:B:831:GLU:N	0.42	2.29	10	4
1:C:820:ILE:HD13	1:C:820:ILE:N	0.42	2.30	6	1
1:A:751:GLY:HA2	1:B:715:LEU:HD11	0.42	1.90	9	1
1:A:688:ILE:HD12	1:A:688:ILE:H	0.42	1.74	2	1
1:A:790:TRP:C	1:A:792:ALA:H	0.42	2.22	2	2
1:B:799:LEU:HD23	1:B:800:LEU:H	0.42	1.72	2	1
1:C:840:ILE:HA	1:C:843:ILE:HD11	0.42	1.90	2	1
1:A:822:VAL:HG13	1:A:823:GLY:N	0.42	2.29	13	1
1:C:672:TRP:O	1:C:673:PHE:C	0.42	2.62	2	1
1:C:781:ILE:HG22	1:C:785:LEU:CD1	0.42	2.45	3	1
1:A:795:TYR:CE1	1:B:756:ILE:HD13	0.42	2.50	6	1
1:B:708:VAL:HG12	1:B:741:ASP:HB2	0.42	1.92	10	1
1:B:821:ALA:O	1:B:822:VAL:HG22	0.42	2.15	10	1
1:C:764:SER:HB3	1:C:771:LEU:HD12	0.42	1.91	13	1
1:A:760:LEU:HD22	1:A:763:LEU:HD21	0.42	1.90	14	1
1:A:771:LEU:H	1:A:771:LEU:HD22	0.42	1.75	14	1
1:C:832:VAL:HG23	1:C:833:VAL:N	0.42	2.30	14	2
1:B:749:VAL:HG23	1:B:750:ASN:N	0.42	2.30	6	1
1:A:834:GLN:CD	1:A:835:GLY:N	0.42	2.78	9	1
1:C:708:VAL:HG12	1:C:741:ASP:HB2	0.42	1.91	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:704:LEU:HD12	1:B:710:GLN:OE1	0.42	2.15	10	1
1:B:795:TYR:O	1:B:799:LEU:CD2	0.42	2.68	10	1
1:A:747:ARG:HA	1:A:750:ASN:HD21	0.42	1.74	14	1
1:A:843:ILE:HD13	1:A:844:PRO:N	0.42	2.30	15	1
1:A:714:PRO:HB3	1:C:748:LEU:HD13	0.42	1.92	1	1
1:B:775:LEU:O	1:B:778:VAL:HG12	0.42	2.15	2	1
1:A:753:LEU:O	1:A:756:ILE:HG12	0.42	2.15	4	1
1:A:756:ILE:O	1:A:760:LEU:CD2	0.42	2.68	4	1
1:B:808:LYS:O	1:B:812:VAL:HG13	0.42	2.14	6	1
1:B:774:LEU:O	1:B:777:ILE:HG23	0.42	2.15	11	1
1:C:760:LEU:HD23	1:C:760:LEU:C	0.42	2.40	11	1
1:A:796:TRP:CD1	1:A:799:LEU:HD21	0.42	2.49	12	1
1:B:768:TYR:O	1:B:769:HIS:C	0.42	2.63	12	1
1:A:771:LEU:HD21	1:C:806:GLU:OE1	0.42	2.14	13	1
1:A:754:ALA:CB	1:B:715:LEU:HD22	0.42	2.45	14	1
1:B:778:VAL:HG23	1:C:746:ILE:HD11	0.42	1.92	2	1
1:C:661:LEU:HD23	1:C:661:LEU:N	0.42	2.30	4	1
1:C:812:VAL:HG11	1:C:834:GLN:CD	0.42	2.40	6	1
1:A:753:LEU:HD13	1:C:791:GLU:HB3	0.42	1.91	8	1
1:B:748:LEU:HD23	1:C:714:PRO:HB3	0.42	1.91	10	1
1:A:753:LEU:HD12	1:A:754:ALA:N	0.42	2.30	12	1
1:A:829:VAL:O	1:A:833:VAL:HG23	0.41	2.15	2	1
1:A:785:LEU:HD21	1:B:746:ILE:CG2	0.41	2.45	5	1
1:A:806:GLU:HG3	1:B:771:LEU:HD21	0.41	1.91	5	1
1:C:715:LEU:HD23	1:C:715:LEU:O	0.41	2.14	5	1
1:C:822:VAL:HG23	1:C:823:GLY:N	0.41	2.30	8	1
1:B:672:TRP:CD1	1:B:672:TRP:N	0.41	2.88	12	2
1:A:791:GLU:HB2	1:B:753:LEU:HD22	0.41	1.92	12	1
1:A:746:ILE:HD12	1:A:746:ILE:N	0.41	2.29	3	2
1:B:820:ILE:HD12	1:B:820:ILE:N	0.41	2.30	7	2
1:C:750:ASN:ND2	1:C:750:ASN:H	0.41	2.13	3	1
1:C:822:VAL:HG13	1:C:822:VAL:O	0.41	2.15	4	1
1:A:795:TYR:O	1:B:756:ILE:HG21	0.41	2.15	5	2
1:A:764:SER:HB3	1:A:771:LEU:HD23	0.41	1.92	7	1
1:B:704:LEU:HD13	1:B:704:LEU:C	0.41	2.40	9	1
1:B:819:ALA:O	1:B:822:VAL:HG22	0.41	2.15	9	1
1:C:699:PHE:HA	1:C:702:LEU:HB3	0.41	1.92	9	2
1:C:843:ILE:HD13	1:C:843:ILE:C	0.41	2.40	13	1
1:A:812:VAL:HG23	1:A:813:SER:N	0.41	2.30	2	4
1:B:695:LEU:HD23	1:B:695:LEU:C	0.41	2.39	2	1
1:A:806:GLU:HG3	1:B:771:LEU:HD11	0.41	1.92	5	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:775:LEU:HD22	1:A:775:LEU:N	0.41	2.29	6	1
1:C:826:THR:O	1:C:830:ILE:HD13	0.41	2.15	6	1
1:A:710:GLN:HG2	1:A:715:LEU:HD22	0.41	1.90	9	1
1:A:696:ARG:HD2	1:C:697:ILE:HG22	0.41	1.91	10	1
1:A:820:ILE:O	1:A:821:ALA:C	0.41	2.64	13	1
1:A:814:LEU:O	1:A:814:LEU:HD13	0.41	2.15	15	1
1:C:710:GLN:OE1	1:C:715:LEU:HD22	0.41	2.16	1	1
1:B:796:TRP:HA	1:B:799:LEU:HD22	0.41	1.91	2	1
1:A:808:LYS:HE3	1:A:839:ALA:HB2	0.41	1.92	4	1
1:C:663:LEU:HD13	1:C:663:LEU:C	0.41	2.41	4	1
1:B:712:TYR:CG	1:B:713:SER:N	0.41	2.88	14	2
1:C:690:GLY:O	1:C:693:ILE:HG23	0.41	2.15	8	2
1:A:707:ARG:NH2	1:C:707:ARG:CZ	0.41	2.83	15	1
1:C:682:ILE:HD13	1:C:682:ILE:N	0.41	2.30	15	1
1:B:826:THR:O	1:B:829:VAL:HG12	0.41	2.15	4	1
1:A:708:VAL:HG21	1:B:714:PRO:HD2	0.41	1.93	5	1
1:B:686:ILE:HD12	1:B:686:ILE:N	0.41	2.30	6	1
1:C:745:SER:O	1:C:748:LEU:HD22	0.41	2.15	6	1
1:A:686:ILE:HG21	1:B:686:ILE:HD11	0.41	1.92	7	1
1:A:661:LEU:HD12	1:C:666:TRP:CG	0.41	2.50	11	1
1:C:820:ILE:N	1:C:820:ILE:HD12	0.41	2.30	11	1
1:A:704:LEU:HD21	1:B:707:ARG:HB2	0.41	1.92	6	1
1:C:756:ILE:C	1:C:756:ILE:CD1	0.41	2.93	15	1
1:A:714:PRO:O	1:C:704:LEU:HD21	0.41	2.16	3	1
1:A:795:TYR:CD2	1:B:753:LEU:O	0.41	2.74	3	1
1:A:803:TRP:CZ2	1:B:760:LEU:HD11	0.41	2.50	3	1
1:C:743:ASP:O	1:C:746:ILE:HG22	0.41	2.15	5	1
1:C:836:ALA:O	1:C:840:ILE:HD12	0.41	2.15	7	1
1:B:794:LYS:CD	1:B:795:TYR:N	0.41	2.84	8	1
1:A:661:LEU:HD12	1:C:666:TRP:CD2	0.41	2.51	11	1
1:C:854:ILE:HD13	1:C:854:ILE:O	0.41	2.16	12	1
1:A:663:LEU:HD23	1:B:660:LEU:O	0.41	2.16	14	1
1:C:699:PHE:O	1:C:702:LEU:HB3	0.41	2.16	1	2
1:A:707:ARG:HB2	1:C:704:LEU:HD21	0.41	1.93	2	1
1:A:756:ILE:O	1:A:760:LEU:CB	0.41	2.68	2	1
1:C:816:ASN:OD1	1:C:816:ASN:N	0.41	2.53	3	1
1:A:792:ALA:O	1:A:795:TYR:HD2	0.41	1.98	10	3
1:A:816:ASN:O	1:A:827:ASP:OD2	0.41	2.38	10	1
1:B:847:ILE:HD13	1:B:847:ILE:N	0.41	2.30	14	1
1:C:692:LEU:HD23	1:C:692:LEU:C	0.41	2.40	14	1
1:A:677:ASN:O	1:A:681:TYR:CZ	0.41	2.74	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:760:LEU:HD11	1:C:803:TRP:CH2	0.41	2.49	3	1
1:B:781:ILE:HD12	1:C:746:ILE:CB	0.41	2.45	3	1
1:B:847:ILE:HG23	1:B:848:ARG:N	0.41	2.31	9	2
1:A:742:ARG:NH2	1:C:774:LEU:HD21	0.41	2.31	5	1
1:B:667:ALA:HB2	1:C:660:LEU:HD22	0.41	1.91	5	1
1:A:747:ARG:O	1:A:747:ARG:CD	0.41	2.69	7	1
1:B:830:ILE:C	1:B:830:ILE:CD1	0.41	2.94	8	1
1:A:851:LEU:HD22	1:A:854:ILE:HD11	0.41	1.92	9	1
1:B:760:LEU:O	1:B:763:LEU:HD13	0.41	2.16	10	1
1:B:753:LEU:HD12	1:B:753:LEU:H	0.41	1.76	11	1
1:C:704:LEU:O	1:C:707:ARG:HB3	0.41	2.16	12	1
1:B:803:TRP:CE3	1:C:768:TYR:CE2	0.41	3.09	13	1
1:A:660:LEU:N	1:A:660:LEU:HD22	0.41	2.31	14	1
1:B:776:LEU:HD12	1:B:777:ILE:N	0.41	2.31	14	1
1:A:746:ILE:HG22	1:C:785:LEU:HD22	0.41	1.92	1	1
1:A:785:LEU:HD21	1:B:750:ASN:CG	0.41	2.41	2	1
1:B:771:LEU:C	1:B:771:LEU:CD2	0.41	2.94	2	1
1:C:768:TYR:O	1:C:769:HIS:CB	0.41	2.69	2	1
1:A:753:LEU:HD22	1:C:791:GLU:HB2	0.41	1.92	3	1
1:C:774:LEU:O	1:C:777:ILE:HG22	0.41	2.15	6	1
1:A:806:GLU:OE2	1:B:771:LEU:HD21	0.41	2.16	11	1
1:C:774:LEU:HD23	1:C:774:LEU:C	0.41	2.41	13	1
1:A:815:LEU:O	1:A:819:ALA:HB2	0.41	2.16	14	1
1:A:779:THR:O	1:A:782:VAL:HG22	0.41	2.15	15	1
1:A:746:ILE:HG21	1:C:781:ILE:HG21	0.40	1.93	9	2
1:C:679:LEU:HD23	1:C:679:LEU:O	0.40	2.16	1	1
1:C:697:ILE:HD13	1:C:697:ILE:C	0.40	2.42	5	1
1:A:756:ILE:HD12	1:A:756:ILE:H	0.40	1.76	6	1
1:B:753:LEU:C	1:B:753:LEU:CD2	0.40	2.94	6	1
1:A:760:LEU:HD21	1:C:799:LEU:HD12	0.40	1.93	7	1
1:A:768:TYR:OH	1:C:803:TRP:CE3	0.40	2.73	7	1
1:B:753:LEU:C	1:B:753:LEU:HD22	0.40	2.41	8	1
1:B:765:LEU:HD13	1:B:774:LEU:HD11	0.40	1.92	9	1
1:C:698:VAL:HG23	1:C:699:PHE:CD2	0.40	2.49	12	1
1:A:814:LEU:O	1:A:818:THR:HG22	0.40	2.16	2	1
1:A:760:LEU:HG	1:C:799:LEU:HD12	0.40	1.92	3	1
1:B:781:ILE:CD1	1:C:746:ILE:HG21	0.40	2.45	3	1
1:A:660:LEU:HG	1:C:667:ALA:HB2	0.40	1.91	7	1
1:B:799:LEU:HD21	1:C:760:LEU:HD12	0.40	1.93	7	1
1:A:808:LYS:O	1:A:812:VAL:HG12	0.40	2.16	8	1
1:B:758:ASP:O	1:B:761:ARG:CZ	0.40	2.69	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:693:ILE:HD11	1:B:692:LEU:HD23	0.40	1.93	11	1
1:B:768:TYR:C	1:B:770:ARG:N	0.40	2.76	12	1
1:A:754:ALA:HB3	1:B:715:LEU:CD2	0.40	2.47	15	1
1:A:793:LEU:HD12	1:A:797:TRP:CE2	0.40	2.51	15	1
1:A:836:ALA:O	1:A:840:ILE:HG22	0.40	2.17	15	1
1:B:755:LEU:CA	1:C:715:LEU:HD11	0.40	2.46	1	1
1:C:760:LEU:HD13	1:C:761:ARG:N	0.40	2.31	1	1
1:C:812:VAL:HG12	1:C:816:ASN:ND2	0.40	2.30	1	1
1:A:750:ASN:ND2	1:A:750:ASN:N	0.40	2.69	5	1
1:B:683:ARG:NH1	1:C:679:LEU:HD11	0.40	2.31	5	1
1:C:782:VAL:HA	1:C:785:LEU:HD11	0.40	1.93	6	1
1:A:803:TRP:O	1:A:806:GLU:HG3	0.40	2.15	7	1
1:C:663:LEU:HD23	1:C:663:LEU:C	0.40	2.41	8	1
1:B:822:VAL:HG23	1:B:823:GLY:N	0.40	2.32	9	1
1:C:847:ILE:HG13	1:C:848:ARG:H	0.40	1.76	10	1
1:C:843:ILE:H	1:C:844:PRO:CD	0.40	2.29	11	1
1:B:816:ASN:ND2	1:B:820:ILE:HD11	0.40	2.31	15	1
1:C:706:ASN:O	1:C:710:GLN:N	0.40	2.54	5	2
1:B:808:LYS:NZ	1:B:834:GLN:O	0.40	2.54	11	1
1:B:842:HIS:HB3	1:B:843:ILE:HD13	0.40	1.93	12	1
1:A:763:LEU:O	1:A:774:LEU:CB	0.40	2.70	15	1
1:A:678:TRP:CD1	1:A:679:LEU:N	0.40	2.90	2	1
1:A:694:GLY:O	1:A:697:ILE:HG13	0.40	2.16	6	1
1:C:790:TRP:CH2	1:C:793:LEU:HD22	0.40	2.51	6	1
1:C:802:TYR:HB3	1:C:803:TRP:CZ3	0.40	2.52	6	1
1:C:682:ILE:HD13	1:C:683:ARG:N	0.40	2.31	8	1
1:B:795:TYR:O	1:B:799:LEU:HD23	0.40	2.16	10	1
1:C:746:ILE:O	1:C:749:VAL:HG23	0.40	2.16	10	1
1:C:663:LEU:HD22	1:C:664:ASP:N	0.40	2.30	12	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	171/197 (87%)	154±2 (90±1%)	10±2 (6±1%)	7±2 (4±1%)	4 30

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	B	171/197 (87%)	152±2 (89±1%)	10±2 (6±1%)	8±2 (5±1%)	3 24
1	C	171/197 (87%)	154±2 (90±1%)	10±2 (6±1%)	7±3 (4±2%)	4 29
All	All	7695/8865 (87%)	6905 (90%)	459 (6%)	331 (4%)	3 28

All 68 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	714	PRO	15
1	C	714	PRO	15
1	B	714	PRO	14
1	C	712	TYR	11
1	A	741	ASP	9
1	B	673	PHE	9
1	C	673	PHE	9
1	B	765	LEU	8
1	C	767	SER	8
1	C	843	ILE	8
1	B	846	ARG	8
1	A	825	GLY	7
1	C	661	LEU	7
1	B	824	GLU	7
1	B	842	HIS	7
1	B	844	PRO	7
1	C	769	HIS	7
1	A	673	PHE	6
1	A	768	TYR	6
1	C	765	LEU	6
1	C	822	VAL	6
1	A	661	LEU	6
1	B	712	TYR	6
1	B	661	LEU	5
1	C	766	PHE	5
1	A	822	VAL	5
1	B	674	ASP	5
1	B	766	PHE	5
1	B	825	GLY	5
1	A	712	TYR	5
1	A	769	HIS	5
1	A	846	ARG	5
1	B	767	SER	5
1	B	822	VAL	5

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Mol	Chain	Res	Type	Models (Total)
1	A	765	LEU	4
1	B	663	LEU	4
1	B	769	HIS	4
1	C	674	ASP	4
1	C	821	ALA	4
1	A	821	ALA	4
1	B	662	GLU	4
1	B	768	TYR	4
1	B	821	ALA	4
1	A	662	GLU	4
1	C	824	GLU	4
1	A	824	GLU	4
1	A	674	ASP	3
1	A	843	ILE	3
1	A	767	SER	2
1	B	845	ARG	2
1	B	843	ILE	2
1	C	846	ARG	2
1	A	766	PHE	2
1	B	823	GLY	2
1	A	844	PRO	2
1	A	845	ARG	2
1	C	823	GLY	2
1	C	768	TYR	2
1	B	741	ASP	1
1	C	662	GLU	1
1	B	715	LEU	1
1	B	711	GLY	1
1	A	823	GLY	1
1	C	844	PRO	1
1	A	715	LEU	1
1	C	825	GLY	1
1	C	663	LEU	1
1	C	715	LEU	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles
1	A	155/173 (90%)	116±5 (75±3%)	39±5 (25±3%)	2 25
1	B	155/173 (90%)	117±6 (75±4%)	38±6 (25±4%)	2 25
1	C	155/173 (90%)	115±5 (74±3%)	40±5 (26±3%)	2 23
All	All	6975/7785 (90%)	5219 (75%)	1756 (25%)	2 24

All 404 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	C	771	LEU	15
1	C	794	LYS	15
1	A	692	LEU	14
1	A	771	LEU	14
1	B	794	LYS	14
1	B	803	TRP	14
1	C	803	TRP	14
1	A	803	TRP	13
1	B	771	LEU	13
1	B	693	ILE	13
1	A	715	LEU	12
1	A	763	LEU	12
1	C	693	ILE	12
1	A	693	ILE	12
1	A	794	LYS	11
1	B	675	ILE	11
1	A	678	TRP	11
1	C	715	LEU	11
1	C	761	ARG	11
1	C	799	LEU	11
1	A	753	LEU	10
1	A	795	TYR	10
1	B	715	LEU	10
1	B	760	LEU	10
1	B	763	LEU	10
1	B	774	LEU	10
1	C	774	LEU	10
1	C	775	LEU	10
1	C	847	ILE	10
1	A	830	ILE	10
1	B	678	TRP	10
1	B	765	LEU	10
1	B	799	LEU	10

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Mol	Chain	Res	Type	Models (Total)
1	B	698	VAL	9
1	B	744	ARG	9
1	C	682	ILE	9
1	C	746	ILE	9
1	B	702	LEU	9
1	B	847	ILE	9
1	C	748	LEU	9
1	A	744	ARG	9
1	B	753	LEU	9
1	A	679	LEU	9
1	A	684	ILE	8
1	A	697	ILE	8
1	A	702	LEU	8
1	A	806	GLU	8
1	A	838	ARG	8
1	B	692	LEU	8
1	B	785	LEU	8
1	C	675	ILE	8
1	C	678	TRP	8
1	C	680	TRP	8
1	C	757	TRP	8
1	C	838	ARG	8
1	C	856	LEU	8
1	A	760	LEU	8
1	A	765	LEU	8
1	A	780	ARG	8
1	B	686	ILE	8
1	B	834	GLN	8
1	C	663	LEU	8
1	C	764	SER	8
1	C	696	ARG	8
1	A	674	ASP	7
1	A	675	ILE	7
1	A	814	LEU	7
1	A	834	GLN	7
1	A	847	ILE	7
1	B	708	VAL	7
1	B	795	TYR	7
1	C	660	LEU	7
1	C	692	LEU	7
1	C	704	LEU	7
1	C	707	ARG	7

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Mol	Chain	Res	Type	Models (Total)
1	C	744	ARG	7
1	C	756	ILE	7
1	C	760	LEU	7
1	C	765	LEU	7
1	A	776	LEU	7
1	A	856	LEU	7
1	B	679	LEU	7
1	B	805	GLN	7
1	C	772	ARG	7
1	C	702	LEU	7
1	A	662	GLU	6
1	A	663	LEU	6
1	A	785	LEU	6
1	B	772	ARG	6
1	B	775	LEU	6
1	B	800	LEU	6
1	B	855	LEU	6
1	C	661	LEU	6
1	C	684	ILE	6
1	C	697	ILE	6
1	C	830	ILE	6
1	C	855	LEU	6
1	A	660	LEU	6
1	A	704	LEU	6
1	B	756	ILE	6
1	B	758	ASP	6
1	B	814	LEU	6
1	B	856	LEU	6
1	C	713	SER	6
1	A	742	ARG	6
1	A	800	LEU	6
1	B	707	ARG	6
1	C	750	ASN	6
1	C	753	LEU	6
1	A	686	ILE	5
1	A	688	ILE	5
1	B	674	ASP	5
1	B	682	ILE	5
1	B	713	SER	5
1	B	767	SER	5
1	B	781	ILE	5
1	B	791	GLU	5

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Mol	Chain	Res	Type	Models (Total)
1	B	802	TYR	5
1	B	830	ILE	5
1	B	852	GLU	5
1	C	686	ILE	5
1	C	706	ASN	5
1	C	793	LEU	5
1	C	802	TYR	5
1	C	805	GLN	5
1	C	848	ARG	5
1	A	854	ILE	5
1	B	770	ARG	5
1	B	801	GLN	5
1	C	673	PHE	5
1	C	779	THR	5
1	C	800	LEU	5
1	C	820	ILE	5
1	A	739	GLU	5
1	A	770	ARG	5
1	A	828	ARG	5
1	B	697	ILE	5
1	B	746	ILE	5
1	B	755	LEU	5
1	C	714	PRO	5
1	A	746	ILE	5
1	A	747	ARG	5
1	A	793	LEU	5
1	A	815	LEU	5
1	A	851	LEU	5
1	C	791	GLU	5
1	A	761	ARG	5
1	A	791	GLU	5
1	B	661	LEU	5
1	B	777	ILE	5
1	B	745	SER	5
1	B	750	ASN	5
1	C	747	ARG	5
1	C	710	GLN	5
1	C	795	TYR	5
1	B	672	TRP	5
1	A	669	LEU	4
1	A	696	ARG	4
1	A	741	ASP	4

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Mol	Chain	Res	Type	Models (Total)
1	A	755	LEU	4
1	A	805	GLN	4
1	A	820	ILE	4
1	A	840	ILE	4
1	B	696	ARG	4
1	B	793	LEU	4
1	B	824	GLU	4
1	B	846	ARG	4
1	C	662	GLU	4
1	C	679	LEU	4
1	C	780	ARG	4
1	C	784	LEU	4
1	C	785	LEU	4
1	C	824	GLU	4
1	A	701	VAL	4
1	A	764	SER	4
1	A	774	LEU	4
1	A	775	LEU	4
1	A	790	TRP	4
1	A	799	LEU	4
1	B	660	LEU	4
1	B	706	ASN	4
1	B	757	TRP	4
1	B	815	LEU	4
1	C	676	THR	4
1	A	852	GLU	4
1	B	807	LEU	4
1	C	846	ARG	4
1	A	703	SER	4
1	B	742	ARG	4
1	C	709	ARG	4
1	C	716	SER	4
1	C	758	ASP	4
1	C	806	GLU	4
1	C	834	GLN	4
1	A	682	ILE	4
1	A	750	ASN	4
1	A	758	ASP	4
1	A	797	TRP	4
1	A	855	LEU	4
1	B	787	ARG	4
1	C	849	GLN	4

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Mol	Chain	Res	Type	Models (Total)
1	A	712	TYR	4
1	A	769	HIS	4
1	A	691	SER	3
1	A	757	TRP	3
1	A	767	SER	3
1	A	788	ARG	3
1	A	808	LYS	3
1	B	704	LEU	3
1	B	776	LEU	3
1	B	809	ASN	3
1	C	740	ARG	3
1	C	768	TYR	3
1	C	782	VAL	3
1	C	787	ARG	3
1	C	852	GLU	3
1	A	713	SER	3
1	A	772	ARG	3
1	B	677	ASN	3
1	B	769	HIS	3
1	B	778	VAL	3
1	B	820	ILE	3
1	B	840	ILE	3
1	C	683	ARG	3
1	C	755	LEU	3
1	A	714	PRO	3
1	A	781	ILE	3
1	A	849	GLN	3
1	C	767	SER	3
1	C	816	ASN	3
1	C	826	THR	3
1	C	840	ILE	3
1	A	766	PHE	3
1	B	748	LEU	3
1	B	826	THR	3
1	B	837	SER	3
1	C	769	HIS	3
1	C	851	LEU	3
1	A	707	ARG	3
1	A	801	GLN	3
1	A	843	ILE	3
1	B	662	GLU	3
1	B	663	LEU	3

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Mol	Chain	Res	Type	Models (Total)
1	B	669	LEU	3
1	B	739	GLU	3
1	B	761	ARG	3
1	B	762	SER	3
1	B	764	SER	3
1	B	766	PHE	3
1	C	671	ASN	3
1	C	703	SER	3
1	C	762	SER	3
1	C	809	ASN	3
1	A	710	GLN	3
1	A	845	ARG	3
1	A	846	ARG	3
1	B	784	LEU	3
1	B	806	GLU	3
1	C	752	SER	3
1	C	843	ILE	3
1	A	671	ASN	3
1	A	807	LEU	3
1	A	826	THR	3
1	C	841	ARG	3
1	B	842	HIS	3
1	C	770	ARG	3
1	B	853	ARG	3
1	C	763	LEU	3
1	B	843	ILE	3
1	A	824	GLU	2
1	A	841	ARG	2
1	B	812	VAL	2
1	C	766	PHE	2
1	C	777	ILE	2
1	C	801	GLN	2
1	C	853	ARG	2
1	A	748	LEU	2
1	A	752	SER	2
1	A	782	VAL	2
1	A	822	VAL	2
1	A	837	SER	2
1	C	669	LEU	2
1	C	773	ASP	2
1	C	827	ASP	2
1	A	673	PHE	2

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Mol	Chain	Res	Type	Models (Total)
1	A	848	ARG	2
1	B	691	SER	2
1	B	827	ASP	2
1	C	776	LEU	2
1	C	845	ARG	2
1	A	683	ARG	2
1	B	701	VAL	2
1	B	808	LYS	2
1	B	838	ARG	2
1	B	851	LEU	2
1	C	665	LYS	2
1	A	665	LYS	2
1	A	768	TYR	2
1	B	695	LEU	2
1	B	816	ASN	2
1	B	848	ARG	2
1	C	808	LYS	2
1	C	813	SER	2
1	A	664	ASP	2
1	A	676	THR	2
1	A	709	ARG	2
1	A	827	ASP	2
1	B	743	ASP	2
1	B	790	TRP	2
1	B	797	TRP	2
1	B	854	ILE	2
1	A	661	LEU	2
1	A	716	SER	2
1	A	777	ILE	2
1	B	788	ARG	2
1	C	691	SER	2
1	C	790	TRP	2
1	C	854	ILE	2
1	A	689	VAL	2
1	A	779	THR	2
1	C	664	ASP	2
1	C	739	GLU	2
1	B	676	THR	2
1	B	710	GLN	2
1	B	783	GLU	2
1	C	781	ILE	2
1	A	787	ARG	2

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Mol	Chain	Res	Type	Models (Total)
1	A	809	ASN	2
1	B	780	ARG	2
1	B	845	ARG	2
1	C	698	VAL	2
1	C	705	VAL	2
1	A	698	VAL	2
1	A	708	VAL	2
1	C	807	LEU	2
1	B	685	PHE	2
1	B	841	ARG	2
1	A	802	TYR	1
1	B	671	ASN	1
1	C	674	ASP	1
1	A	810	SER	1
1	A	816	ASN	1
1	B	670	TRP	1
1	B	673	PHE	1
1	B	810	SER	1
1	C	822	VAL	1
1	C	677	ASN	1
1	C	699	PHE	1
1	C	708	VAL	1
1	C	759	ASP	1
1	C	783	GLU	1
1	B	714	PRO	1
1	B	752	SER	1
1	B	822	VAL	1
1	C	741	ASP	1
1	A	670	TRP	1
1	B	665	LYS	1
1	B	712	TYR	1
1	B	740	ARG	1
1	C	745	SER	1
1	C	804	SER	1
1	A	831	GLU	1
1	B	687	ILE	1
1	B	747	ARG	1
1	C	831	GLU	1
1	A	685	PHE	1
1	C	701	VAL	1
1	C	712	TYR	1
1	C	742	ARG	1

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Mol	Chain	Res	Type	Models (Total)
1	C	837	SER	1
1	A	804	SER	1
1	B	782	VAL	1
1	C	814	LEU	1
1	C	815	LEU	1
1	B	716	SER	1
1	B	749	VAL	1
1	B	818	THR	1
1	C	695	LEU	1
1	C	743	ASP	1
1	C	778	VAL	1
1	C	788	ARG	1
1	C	797	TRP	1
1	C	810	SER	1
1	A	680	TRP	1
1	A	699	PHE	1
1	A	783	GLU	1
1	B	668	SER	1
1	B	688	ILE	1
1	C	672	TRP	1
1	B	828	ARG	1
1	C	818	THR	1
1	A	668	SER	1
1	A	687	ILE	1
1	A	706	ASN	1
1	B	684	ILE	1
1	B	813	SER	1
1	C	842	HIS	1
1	A	677	ASN	1
1	A	695	LEU	1
1	B	831	GLU	1
1	A	756	ILE	1
1	A	762	SER	1
1	B	699	PHE	1
1	B	804	SER	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

There are no such molecules in this entry.

6.8 Polymer linkage issues

There are no chain breaks in this entry.

7 Chemical shift validation

The completeness of assignment taking into account all chemical shift lists is 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_MPER-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	657
Number of shifts mapped to atoms	622
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

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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 ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	171	-0.04 ± 0.15	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	0	—	None (insufficient data)
$^{13}C'$	158	-0.28 ± 0.05	None needed (< 0.5 ppm)
^{15}N	164	0.91 ± 0.19	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. 622 atoms were assigned a chemical shift out of a possible 7980. 0 out of 132 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	622/2643 (24%)	156/1074 (15%)	310/1050 (30%)	156/519 (30%)

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	Total	^{1}H	^{13}C	^{15}N
Sidechain	0/4674 (0%)	0/3063 (0%)	0/1377 (0%)	0/234 (0%)
Aromatic	0/663 (0%)	0/324 (0%)	0/297 (0%)	0/42 (0%)
Overall	622/7980 (8%)	156/4461 (3%)	310/2724 (11%)	156/795 (20%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 8%, i.e. 622 atoms were assigned a chemical shift out of a possible 7980. 0 out of 132 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	622/2643 (24%)	156/1074 (15%)	310/1050 (30%)	156/519 (30%)
Sidechain	0/4674 (0%)	0/3063 (0%)	0/1377 (0%)	0/234 (0%)
Aromatic	0/663 (0%)	0/324 (0%)	0/297 (0%)	0/42 (0%)
Overall	622/7980 (8%)	156/4461 (3%)	310/2724 (11%)	156/795 (20%)

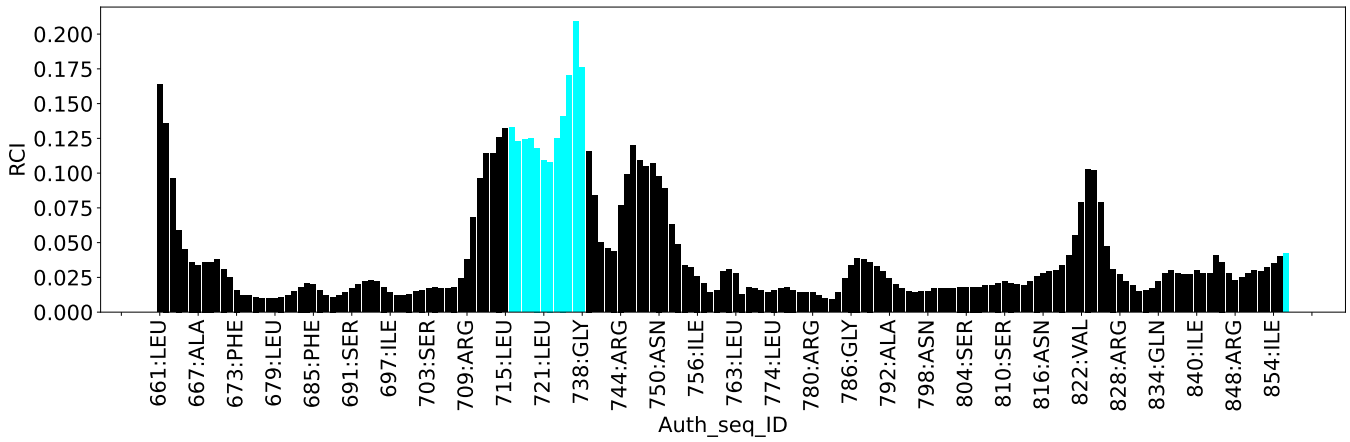
7.1.4 Statistically unusual chemical shifts (i)

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	1746
Intra-residue (|i-j|=0)	191
Sequential (|i-j|=1)	522
Medium range (|i-j|>1 and |i-j|<5)	517
Long range (|i-j|≥5)	131
Inter-chain	112
Hydrogen bond restraints	273
Disulfide bond restraints	0
Total dihedral-angle restraints	298
Number of unmapped restraints	38
Number of restraints per residue	3.5
Number of long range restraints per residue[1]	0.2

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	125.5	0.2
0.2-0.5 (Medium)	116.5	0.5
>0.5 (Large)	145.3	56.95

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)	44.5	7.23
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

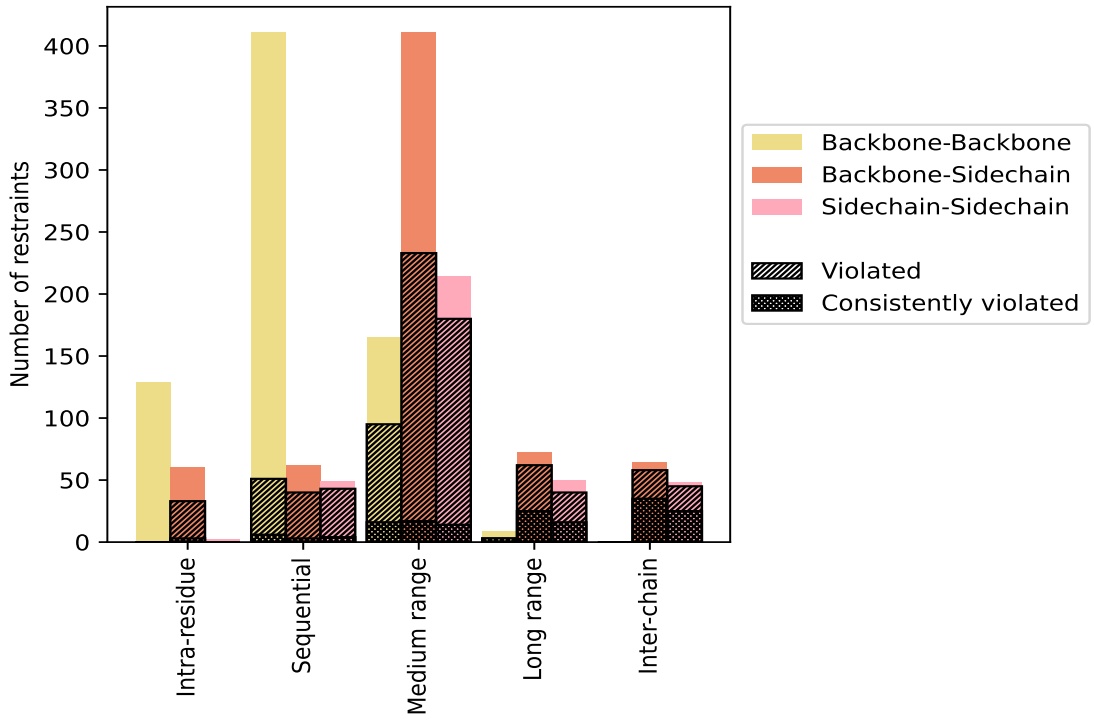
9.1 Summary of distance violations (i)

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

Restraints type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
Intra-residue (|i-j|=0)	191	10.9	33	17.3	1.9	3	1.6	0.2
Backbone-Backbone	129	7.4	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	60	3.4	33	55.0	1.9	3	5.0	0.2
Sidechain-Sidechain	2	0.1	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	522	29.9	134	25.7	7.7	13	2.5	0.7
Backbone-Backbone	411	23.5	51	12.4	2.9	6	1.5	0.3
Backbone-Sidechain	62	3.6	40	64.5	2.3	3	4.8	0.2
Sidechain-Sidechain	49	2.8	43	87.8	2.5	4	8.2	0.2
Medium range (|i-j|>1 & |i-j|<5)	517	29.6	376	72.7	21.5	34	6.6	1.9
Backbone-Backbone	165	9.5	95	57.6	5.4	16	9.7	0.9
Backbone-Sidechain	153	8.8	116	75.8	6.6	11	7.2	0.6
Sidechain-Sidechain	199	11.4	165	82.9	9.5	7	3.5	0.4
Long range (|i-j|≥5)	131	7.5	105	80.2	6.0	44	33.6	2.5
Backbone-Backbone	9	0.5	3	33.3	0.2	3	33.3	0.2
Backbone-Sidechain	72	4.1	62	86.1	3.6	25	34.7	1.4
Sidechain-Sidechain	50	2.9	40	80.0	2.3	16	32.0	0.9
Inter-chain	112	6.4	103	92.0	5.9	60	53.6	3.4
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	64	3.7	58	90.6	3.3	35	54.7	2.0
Sidechain-Sidechain	48	2.7	45	93.8	2.6	25	52.1	1.4
Hydrogen bond	273	15.6	132	48.4	7.6	13	4.8	0.7
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1746	100.0	883	50.6	50.6	167	9.6	9.6
Backbone-Backbone	714	40.9	149	20.9	8.5	25	3.5	1.4
Backbone-Sidechain	669	38.3	426	63.7	24.4	83	12.4	4.8
Sidechain-Sidechain	363	20.8	308	84.8	17.6	59	16.3	3.4

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	9	54	190	62	76	391	4.79	56.95	10.15	0.32
2	11	42	166	68	74	361	5.16	54.31	10.43	0.36
3	10	49	205	62	76	402	4.65	55.51	10.01	0.33
4	9	38	183	62	81	373	4.92	56.86	10.31	0.32
5	15	49	168	68	78	378	4.83	55.88	10.17	0.31
6	17	62	196	63	77	415	4.44	55.56	9.81	0.33
7	10	49	204	64	75	402	4.57	54.51	9.91	0.33
8	12	45	209	63	80	409	4.57	56.35	9.94	0.3
9	11	46	179	68	79	383	4.88	53.78	10.16	0.32
10	14	46	190	68	86	404	4.58	55.73	9.92	0.3

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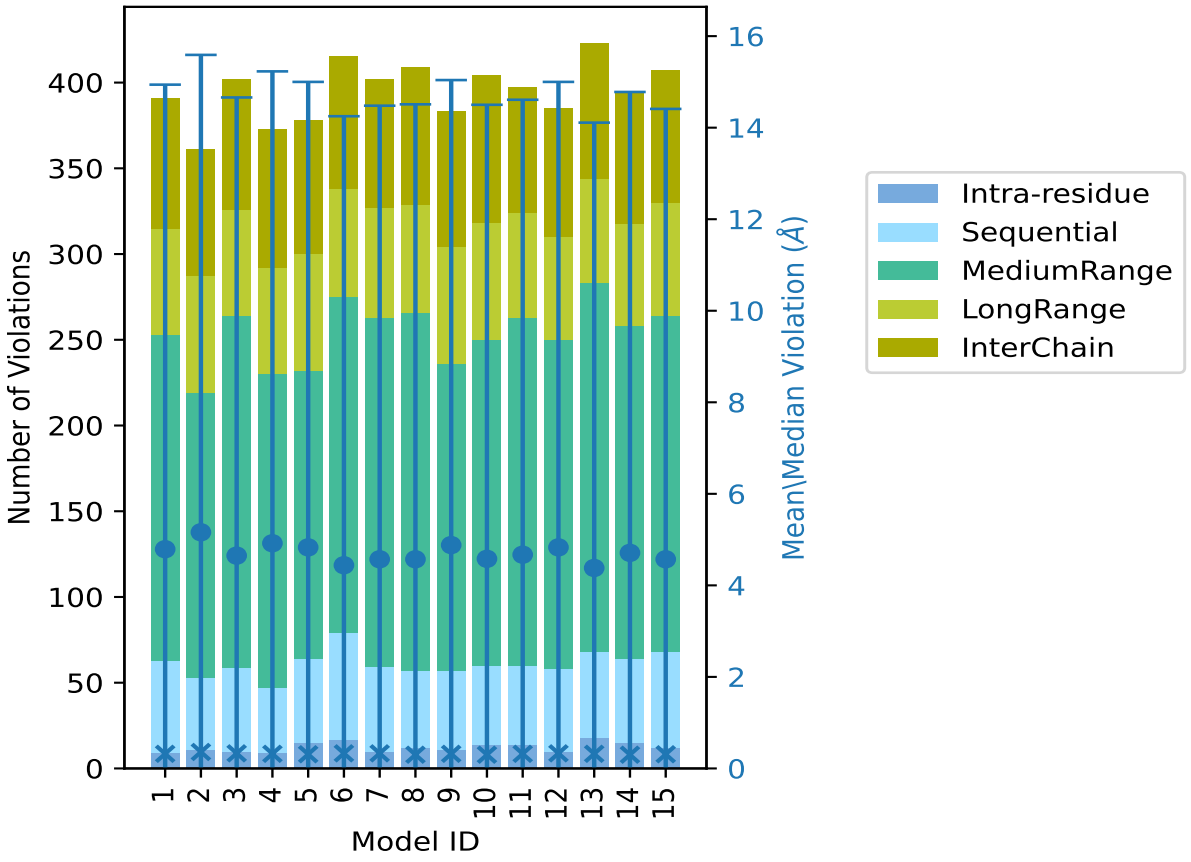
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	14	46	203	61	73	397	4.67	54.48	9.94	0.32
12	10	48	192	60	75	385	4.83	55.54	10.17	0.33
13	18	50	215	61	79	423	4.38	55.28	9.73	0.32
14	15	49	194	60	77	395	4.71	54.55	10.07	0.3
15	12	56	196	66	77	407	4.57	56.0	9.84	0.31

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

9.2.1 Bar graph : Distance Violation statistics for each model



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

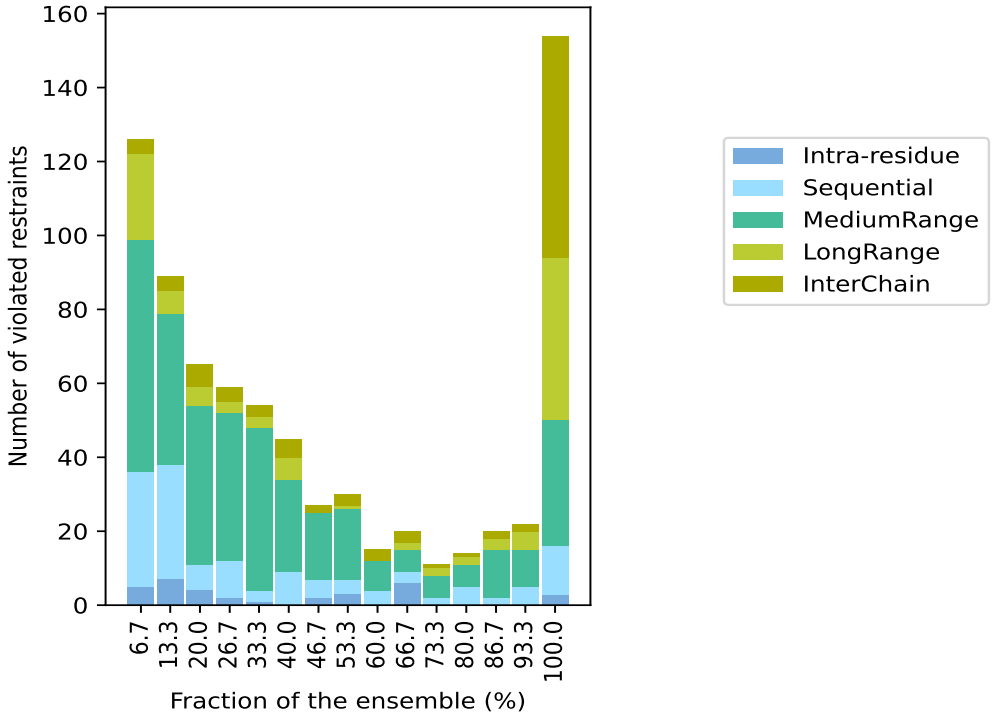
9.3 Distance violation statistics for the ensemble (i)

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 722(IR:158, SQ:388, MR:141, LR:26, IC:9) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total	Count[6]	%
5	31	63	23	4	126	1	6.7
7	31	41	6	4	89	2	13.3
4	7	43	5	6	65	3	20.0
2	10	40	3	4	59	4	26.7
1	3	44	3	3	54	5	33.3
0	9	25	6	5	45	6	40.0
2	5	18	0	2	27	7	46.7
3	4	19	1	3	30	8	53.3
0	4	8	0	3	15	9	60.0
6	3	6	2	3	20	10	66.7
0	2	6	2	1	11	11	73.3
0	5	6	2	1	14	12	80.0
0	2	13	3	2	20	13	86.7
0	5	10	5	2	22	14	93.3
3	13	34	44	60	154	15	100.0

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

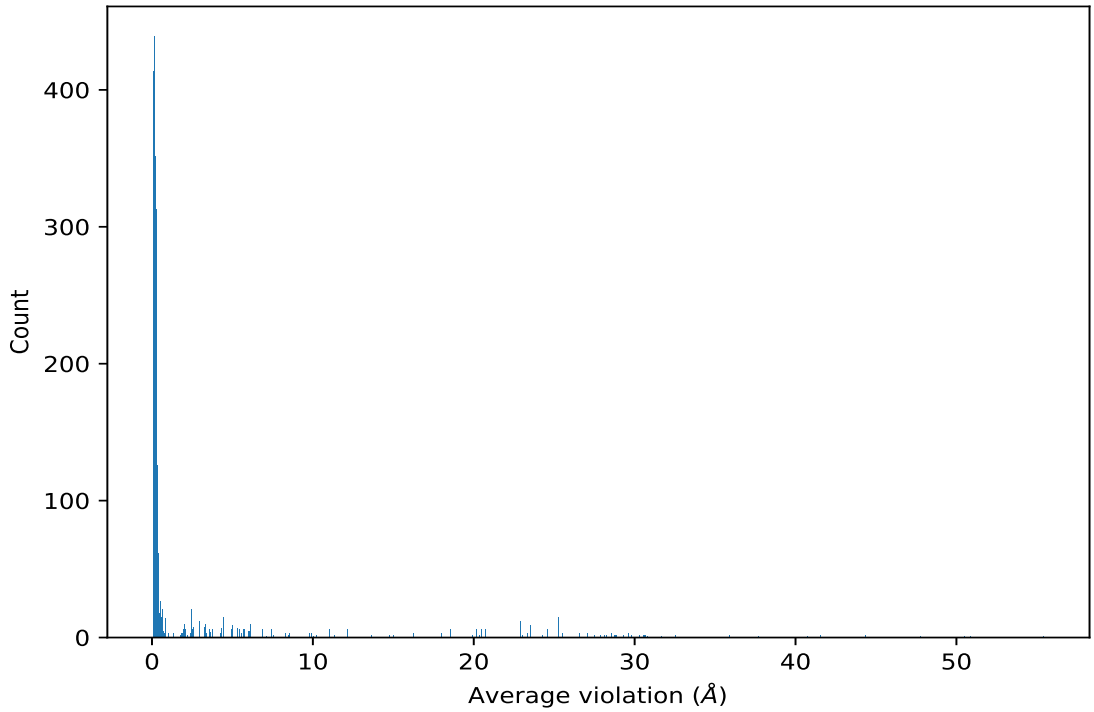
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	15	55.42	0.91	55.54
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	15	50.87	0.91	50.41
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	15	50.52	0.88	50.68
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	15	47.76	0.56	47.6
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	15	44.31	0.6	44.38
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	15	44.31	0.6	44.38
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	15	41.56	0.56	41.55
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	15	41.56	0.56	41.55
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	15	40.79	1.03	40.8
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	15	37.7	0.93	37.76
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	15	35.91	0.64	35.98
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	15	35.91	0.64	35.98
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	15	32.52	0.8	32.43
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	15	32.52	0.8	32.43
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	15	31.69	0.64	31.53
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	15	30.82	0.77	31.01

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	15	30.7	0.43	30.75
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	15	30.7	0.43	30.75
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	15	30.62	0.58	30.7
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	15	30.62	0.58	30.7
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	15	30.56	0.48	30.46
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	15	30.56	0.48	30.46
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	15	30.33	0.54	30.35
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	15	30.33	0.54	30.35
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	15	29.8	0.49	29.8
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	15	29.8	0.49	29.8
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	15	29.65	0.51	29.55
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	15	29.65	0.51	29.55
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	15	29.65	0.51	29.55
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	15	29.3	0.43	29.32
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	15	29.3	0.43	29.32
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	15	28.89	0.56	28.77
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	15	28.89	0.56	28.77
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	15	28.83	0.53	28.85
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	15	28.83	0.53	28.85
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	15	28.77	0.48	28.79
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	15	28.77	0.48	28.79
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	15	28.59	0.43	28.53
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	15	28.59	0.43	28.53
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	15	28.59	0.43	28.53
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	15	28.28	0.82	28.13
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	15	28.28	0.82	28.13
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	15	28.14	0.54	28.18
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	15	28.14	0.54	28.18
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	15	27.9	0.39	28.0
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	15	27.9	0.39	28.0
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	15	27.51	0.69	27.61
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	15	27.51	0.69	27.61
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	15	27.09	0.85	27.04
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	15	27.09	0.85	27.04
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	15	27.09	0.85	27.04
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	15	26.58	1.04	26.72
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	15	26.58	1.04	26.72
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	15	26.58	1.04	26.72
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	15	25.52	0.76	25.62
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	15	25.52	0.76	25.62
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	15	25.52	0.76	25.62
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	15	25.28	0.83	25.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	15	25.28	0.83	25.3
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	15	25.28	0.83	25.3
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	15	25.27	0.61	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	15	25.27	0.61	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	15	25.27	0.61	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	15	25.27	0.61	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	15	25.27	0.61	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	15	25.27	0.61	25.15
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	15	25.26	0.56	25.49
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	15	25.26	0.56	25.49
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	15	25.26	0.56	25.49
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	15	25.26	0.56	25.49
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	15	25.26	0.56	25.49
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	15	25.26	0.56	25.49
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	15	24.59	0.5	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	15	24.59	0.5	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	15	24.59	0.5	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	15	24.59	0.5	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	15	24.59	0.5	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	15	24.59	0.5	24.45
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	15	24.29	0.54	24.23
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	15	24.29	0.54	24.23
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	15	23.53	0.96	23.43
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	15	23.53	0.96	23.43
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	15	23.53	0.96	23.43
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	15	23.5	0.9	23.48
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	15	23.5	0.9	23.48
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	15	23.5	0.9	23.48
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	15	23.5	0.9	23.48
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	15	23.5	0.9	23.48
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	15	23.5	0.9	23.48
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	15	23.3	0.63	23.09
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	15	23.3	0.63	23.09
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	15	23.3	0.63	23.09
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	15	23.01	0.63	22.95
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	15	23.01	0.63	22.95
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	15	22.89	0.73	23.04
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	15	22.89	0.73	23.04
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	15	22.89	0.73	23.04
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	15	22.89	0.73	23.04
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	15	22.89	0.73	23.04
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	15	22.89	0.73	23.04

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	15	22.86	0.6	23.1
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	15	22.86	0.6	23.1
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	15	22.86	0.6	23.1
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	15	22.86	0.6	23.1
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	15	22.86	0.6	23.1
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	15	22.86	0.6	23.1
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	15	20.74	0.65	20.65
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	15	20.74	0.65	20.65
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	15	20.74	0.65	20.65
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	15	20.74	0.65	20.65
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	15	20.74	0.65	20.65
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	15	20.74	0.65	20.65
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	15	20.49	1.37	20.56
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	15	20.49	1.37	20.56
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	15	20.49	1.37	20.56
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	15	20.49	1.37	20.56
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	15	20.49	1.37	20.56
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	15	20.49	1.37	20.56
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	15	20.35	0.55	20.3
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	15	20.35	0.55	20.3
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	15	20.19	0.49	20.22
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	15	20.19	0.49	20.22
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	15	20.19	0.49	20.22
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	15	20.19	0.49	20.22
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	15	20.19	0.49	20.22
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	15	20.19	0.49	20.22
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	15	19.92	0.72	19.82
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	15	19.92	0.72	19.82
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	15	18.54	0.94	18.4
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	15	18.54	0.94	18.4
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	15	18.54	0.94	18.4
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	15	18.54	0.94	18.4
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	15	18.54	0.94	18.4
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	15	18.54	0.94	18.4
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	15	17.96	0.71	18.02
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	15	17.96	0.71	18.02
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	15	17.96	0.71	18.02
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	15	16.26	0.51	16.48
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	15	16.26	0.51	16.48
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	15	16.26	0.51	16.48
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	15	15.0	0.36	15.05
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	15	15.0	0.36	15.05

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	15	14.77	0.62	14.76
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	15	14.77	0.62	14.76
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	15	13.68	0.59	13.79
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	15	13.68	0.59	13.79
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	15	12.14	0.9	12.24
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	15	12.14	0.9	12.24
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	15	12.14	0.9	12.24
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	15	12.14	0.9	12.24
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	15	12.14	0.9	12.24
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	15	12.14	0.9	12.24
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	15	11.33	0.45	11.39
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	15	11.33	0.45	11.39
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	15	11.02	0.84	10.76
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	15	11.02	0.84	10.76
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	15	11.02	0.84	10.76
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	15	11.02	0.84	10.76
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	15	11.02	0.84	10.76
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	15	11.02	0.84	10.76
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	15	10.22	0.61	10.45
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	15	10.22	0.61	10.45
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	15	10.04	1.32	9.98
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	15	9.92	1.22	10.34
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	15	9.92	1.22	10.34
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	15	9.92	1.22	10.34
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	15	9.75	0.78	9.49
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	15	9.75	0.78	9.49
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	15	9.75	0.78	9.49
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	15	8.51	0.72	8.48
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	15	8.51	0.72	8.48
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	15	8.51	0.72	8.48
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	15	8.48	0.51	8.41
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	15	8.48	0.51	8.41
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	15	8.34	0.62	8.57
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	15	8.34	0.62	8.57
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	15	8.34	0.62	8.57
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	15	7.57	0.78	7.59
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	15	7.57	0.78	7.59
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	15	7.44	0.52	7.39
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	15	7.44	0.52	7.39
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	15	7.44	0.52	7.39
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	15	7.44	0.52	7.39
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	15	7.44	0.52	7.39

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	15	7.44	0.52	7.39
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	15	7.11	0.31	7.12
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	15	6.89	0.53	6.86
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	15	6.89	0.53	6.86
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	15	6.89	0.53	6.86
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	15	6.89	0.53	6.86
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	15	6.89	0.53	6.86
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	15	6.89	0.53	6.86
(2,1061)	1:761:A:ARG:HH11	1:758:A:ASP:OD2	15	6.12	2.33	7.22
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	15	6.12	2.33	7.22
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD2	15	6.12	2.33	7.22
(2,1061)	1:761:A:ARG:HH11	1:758:A:ASP:OD1	15	6.12	2.33	7.22
(2,1061)	1:761:A:ARG:HH22	1:758:A:ASP:OD1	15	6.12	2.33	7.22
(2,1486)	1:761:A:ARG:HH11	1:758:A:ASP:OD2	15	6.12	2.33	7.22
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	15	6.12	2.33	7.22
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD2	15	6.12	2.33	7.22
(2,1486)	1:761:A:ARG:HH11	1:758:A:ASP:OD1	15	6.12	2.33	7.22
(2,1486)	1:761:A:ARG:HH22	1:758:A:ASP:OD1	15	6.12	2.33	7.22
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	15	6.1	0.64	6.15
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	15	6.1	0.64	6.15
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	15	6.1	0.64	6.15
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	15	6.09	0.69	6.28
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	15	6.09	0.69	6.28
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	15	5.98	0.53	5.76
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	15	5.98	0.53	5.76
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	15	5.98	0.53	5.76
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	15	5.98	0.35	5.98
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	15	5.98	0.35	5.98
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	15	5.8	1.31	6.33
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	15	5.8	1.31	6.33
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	15	5.8	1.31	6.33
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	15	5.8	1.31	6.33
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	15	5.8	1.31	6.33
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	15	5.8	1.31	6.33
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	15	5.67	0.38	5.58
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	15	5.67	0.38	5.58
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	15	5.67	0.38	5.58
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	15	5.67	0.38	5.58
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	15	5.67	0.38	5.58
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	15	5.67	0.38	5.58
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	15	5.6	0.64	5.65
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	15	5.6	0.64	5.65

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	15	5.6	0.64	5.65
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	15	5.4	1.05	5.6
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	15	5.4	1.05	5.6
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	15	5.4	1.05	5.6
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	15	5.4	1.05	5.6
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	15	5.4	1.05	5.6
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	15	5.4	1.05	5.6
(2,636)	1:761:B:ARG:HH21	1:758:B:ASP:OD1	15	5.32	2.7	6.45
(2,636)	1:761:B:ARG:HH11	1:758:B:ASP:OD1	15	5.32	2.7	6.45
(2,636)	1:761:B:ARG:HH22	1:758:B:ASP:OD2	15	5.32	2.7	6.45
(2,636)	1:761:B:ARG:HH12	1:758:B:ASP:OD2	15	5.32	2.7	6.45
(2,636)	1:761:B:ARG:HH11	1:758:B:ASP:OD2	15	5.32	2.7	6.45
(2,636)	1:761:B:ARG:HH21	1:758:B:ASP:OD2	15	5.32	2.7	6.45
(2,636)	1:761:B:ARG:HH12	1:758:B:ASP:OD1	15	5.32	2.7	6.45
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	15	5.0	0.62	4.97
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	15	5.0	0.62	4.97
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	15	5.0	0.62	4.97
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	15	5.0	0.62	4.97
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	15	5.0	0.62	4.97
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	15	5.0	0.62	4.97
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	15	5.0	0.62	4.97
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	15	5.0	0.62	4.97
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	15	5.0	0.62	4.97
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	15	4.9	0.84	5.03
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	15	4.9	0.84	5.03
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	15	4.9	0.84	5.03
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	15	4.9	0.84	5.03
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	15	4.9	0.84	5.03
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	15	4.9	0.84	5.03
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	15	4.47	0.53	4.68
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	15	4.47	0.53	4.68
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	15	4.47	0.53	4.68
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	15	4.47	0.53	4.68
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	15	4.47	0.53	4.68
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	15	4.47	0.53	4.68
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	15	4.47	0.53	4.68
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	15	4.47	0.53	4.68
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	15	4.47	0.53	4.68
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	15	4.46	0.8	4.23
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	15	4.46	0.8	4.23
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	15	4.46	0.8	4.23
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	15	4.46	0.8	4.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	15	4.46	0.8	4.23
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	15	4.46	0.8	4.23
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	15	4.35	1.76	4.19
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD2	15	4.35	1.76	4.19
(2,635)	1:744:B:ARG:HH11	1:741:B:ASP:OD2	15	4.35	1.76	4.19
(2,635)	1:744:B:ARG:HH11	1:741:B:ASP:OD1	15	4.35	1.76	4.19
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	15	4.33	0.4	4.47
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	15	4.33	0.4	4.47
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	15	4.33	0.4	4.47
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	15	4.28	0.78	4.54
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	15	4.28	0.78	4.54
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	15	4.28	0.78	4.54
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	15	3.76	0.49	3.73
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	15	3.76	0.49	3.73
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	15	3.76	0.49	3.73
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	15	3.76	0.49	3.73
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	15	3.76	0.49	3.73
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	15	3.76	0.49	3.73
(2,634)	1:740:B:ARG:HH11	1:743:B:ASP:OD1	15	3.61	1.35	3.52
(2,634)	1:740:B:ARG:HH11	1:743:B:ASP:OD2	15	3.61	1.35	3.52
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD1	15	3.61	1.35	3.52
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD2	15	3.61	1.35	3.52
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	15	3.56	0.59	3.38
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	15	3.56	0.59	3.38
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	15	3.56	0.59	3.38
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	15	3.56	0.59	3.38
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	15	3.56	0.59	3.38
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	15	3.56	0.59	3.38
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	15	3.39	0.76	3.63
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	15	3.39	0.76	3.63
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	15	3.39	0.76	3.63
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	15	3.29	0.68	3.38
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	15	3.29	0.68	3.38
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	15	2.97	0.41	2.92
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	15	2.97	0.41	2.92
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	15	2.97	0.41	2.92
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	15	2.97	0.41	2.92
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	15	2.97	0.41	2.92
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	15	2.97	0.41	2.92
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	15	2.96	0.48	2.97
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	15	2.96	0.48	2.97
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	15	2.96	0.48	2.97

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	15	2.96	0.48	2.97
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	15	2.96	0.48	2.97
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	15	2.96	0.48	2.97
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	15	2.92	1.01	2.92
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	15	2.92	1.01	2.92
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	15	2.92	1.01	2.92
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	15	2.92	1.01	2.92
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	15	2.92	1.01	2.92
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	15	2.92	1.01	2.92
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	15	2.53	0.57	2.42
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	15	2.53	0.57	2.42
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	15	2.53	0.57	2.42
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	15	2.49	0.43	2.48
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	15	2.49	0.43	2.48
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	15	2.49	0.43	2.48
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	15	2.49	0.43	2.48
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	15	2.49	0.43	2.48
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	15	2.49	0.43	2.48
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	15	2.49	0.43	2.48
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	15	2.49	0.43	2.48
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	15	2.49	0.43	2.48
(2,1059)	1:740:A:ARG:HH21	1:743:A:ASP:OD2	15	2.49	1.06	2.15
(2,1059)	1:740:A:ARG:HH11	1:743:A:ASP:OD2	15	2.49	1.06	2.15
(2,1059)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	15	2.49	1.06	2.15
(2,1059)	1:740:A:ARG:HH12	1:743:A:ASP:OD1	15	2.49	1.06	2.15
(2,1059)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	15	2.49	1.06	2.15
(2,1484)	1:740:A:ARG:HH21	1:743:A:ASP:OD2	15	2.49	1.06	2.15
(2,1484)	1:740:A:ARG:HH11	1:743:A:ASP:OD2	15	2.49	1.06	2.15
(2,1484)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	15	2.49	1.06	2.15
(2,1484)	1:740:A:ARG:HH12	1:743:A:ASP:OD1	15	2.49	1.06	2.15
(2,1484)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	15	2.49	1.06	2.15
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	15	2.42	1.11	1.98
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	15	2.42	1.11	1.98
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	15	2.42	1.11	1.98
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	15	2.2	0.79	2.47
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	15	2.2	0.79	2.47
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	15	1.98	0.67	1.71
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	15	1.98	0.67	1.71
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	15	1.98	0.67	1.71
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	15	1.98	0.67	1.71
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	15	1.98	0.67	1.71
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	15	1.98	0.67	1.71

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	15	1.88	1.03	2.0
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	15	1.88	1.03	2.0
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	15	1.88	1.03	2.0
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	15	1.79	0.43	1.71
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	15	1.79	0.43	1.71
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	15	1.0	0.19	1.07
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	15	0.82	0.25	0.75
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	15	0.82	0.25	0.75
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	15	0.82	0.09	0.81
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	15	0.82	0.09	0.81
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	15	0.82	0.09	0.81
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	15	0.82	0.09	0.81
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	15	0.82	0.09	0.81
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	15	0.82	0.09	0.81
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	15	0.76	0.1	0.78
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	15	0.76	0.1	0.78
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	15	0.76	0.1	0.78
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	15	0.73	0.12	0.76
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	15	0.73	0.12	0.76
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	15	0.72	0.17	0.71
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	15	0.72	0.17	0.71
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	15	0.71	0.18	0.74
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	15	0.63	0.1	0.65
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	15	0.63	0.1	0.65
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	15	0.56	0.15	0.56
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	15	0.54	0.22	0.56
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	15	0.54	0.22	0.56
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	15	0.54	0.22	0.56
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	15	0.54	0.13	0.57
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	15	0.54	0.12	0.53
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	15	0.54	0.12	0.53
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	15	0.51	0.18	0.53
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	15	0.5	0.13	0.48
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	15	0.5	0.13	0.48
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	15	0.48	0.18	0.42
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	15	0.48	0.18	0.42
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	15	0.47	0.13	0.45
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	15	0.47	0.14	0.47
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	15	0.47	0.14	0.47
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	15	0.47	0.14	0.47
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	15	0.47	0.14	0.47
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	15	0.47	0.14	0.47

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	15	0.47	0.14	0.47
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	15	0.45	0.1	0.43
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	15	0.45	0.1	0.43
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	15	0.44	0.12	0.45
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	15	0.43	0.2	0.37
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	15	0.43	0.2	0.37
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	15	0.43	0.2	0.37
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	15	0.43	0.2	0.37
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	15	0.41	0.17	0.46
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	15	0.41	0.17	0.46
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.4	0.07	0.4
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.4	0.07	0.4
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.4	0.07	0.4
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	15	0.4	0.19	0.39
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	15	0.4	0.19	0.39
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	15	0.4	0.19	0.39
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	15	0.4	0.19	0.39
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	15	0.4	0.19	0.39
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	15	0.4	0.19	0.39
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	15	0.4	0.04	0.41
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	15	0.4	0.04	0.41
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	15	0.4	0.04	0.41
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	15	0.4	0.04	0.41
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	15	0.4	0.04	0.41
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	15	0.4	0.04	0.41
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	15	0.39	0.09	0.41
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	15	0.39	0.11	0.4
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	15	0.39	0.11	0.4
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	15	0.38	0.14	0.38
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	15	0.38	0.14	0.38
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	15	0.38	0.14	0.38
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	15	0.38	0.14	0.38
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	15	0.38	0.14	0.38
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	15	0.38	0.14	0.38
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	15	0.37	0.1	0.38
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	15	0.37	0.1	0.38
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	15	0.37	0.09	0.35
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	15	0.37	0.09	0.35
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	15	0.36	0.1	0.37
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	15	0.36	0.1	0.37
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	15	0.36	0.1	0.37
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	15	0.36	0.1	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	15	0.36	0.1	0.37
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	15	0.36	0.1	0.37
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	15	0.36	0.08	0.35
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	15	0.36	0.08	0.35
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	15	0.35	0.07	0.36
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	15	0.35	0.07	0.36
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	15	0.35	0.07	0.36
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	15	0.34	0.13	0.33
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.33	0.06	0.32
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.33	0.06	0.32
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.33	0.06	0.32
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	15	0.31	0.08	0.28
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	15	0.31	0.08	0.28
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	15	0.3	0.08	0.32
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	15	0.3	0.08	0.32
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	15	0.28	0.09	0.26
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	15	0.27	0.09	0.26
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	15	0.24	0.11	0.22
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	15	0.24	0.11	0.22
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	15	0.22	0.07	0.22
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	15	0.22	0.07	0.22
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	15	0.22	0.07	0.22
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	15	0.22	0.07	0.22
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	15	0.22	0.07	0.22
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	15	0.22	0.07	0.22
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	15	0.22	0.07	0.22
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	15	0.22	0.07	0.22
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	15	0.22	0.07	0.22
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	15	0.22	0.07	0.22
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	15	0.22	0.07	0.22
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	15	0.22	0.07	0.22
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	15	0.2	0.01	0.2
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	15	0.18	0.07	0.17
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	15	0.18	0.07	0.17
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	15	0.18	0.07	0.17
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	15	0.18	0.07	0.17
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	15	0.18	0.07	0.17
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	15	0.18	0.07	0.17
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	15	0.18	0.07	0.17
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	15	0.18	0.07	0.17
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	15	0.18	0.07	0.17
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	15	0.18	0.07	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	15	0.18	0.07	0.17
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	15	0.18	0.07	0.17
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	15	0.18	0.01	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	15	0.18	0.01	0.18
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	15	0.18	0.03	0.19
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	15	0.18	0.03	0.19
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	15	0.17	0.01	0.17
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	14	2.59	1.51	2.5
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD2	14	2.59	1.51	2.5
(2,1060)	1:744:A:ARG:HH11	1:741:A:ASP:OD2	14	2.59	1.51	2.5
(2,1060)	1:744:A:ARG:HH11	1:741:A:ASP:OD1	14	2.59	1.51	2.5
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	14	2.59	1.51	2.5
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD2	14	2.59	1.51	2.5
(2,1485)	1:744:A:ARG:HH11	1:741:A:ASP:OD2	14	2.59	1.51	2.5
(2,1485)	1:744:A:ARG:HH11	1:741:A:ASP:OD1	14	2.59	1.51	2.5
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	14	2.45	0.7	2.63
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	14	2.45	0.7	2.63
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	14	2.06	0.6	2.12
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	14	2.06	0.6	2.12
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	14	2.06	0.6	2.12
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	14	2.06	0.6	2.12
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	14	2.06	0.6	2.12
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	14	2.06	0.6	2.12
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	14	1.84	0.21	1.9
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	14	1.84	0.21	1.9
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	14	1.84	0.21	1.9
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	14	1.34	0.21	1.4
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	14	1.34	0.21	1.4
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	14	1.34	0.21	1.4
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	14	0.48	0.02	0.48
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	14	0.44	0.18	0.43
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	14	0.41	0.23	0.4
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	14	0.41	0.23	0.4
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	14	0.32	0.09	0.31
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	14	0.3	0.09	0.32
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	14	0.3	0.09	0.32
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	14	0.29	0.09	0.3
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	14	0.29	0.09	0.3
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	14	0.29	0.1	0.29
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	14	0.29	0.1	0.29
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	14	0.29	0.1	0.29
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	14	0.29	0.1	0.29

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	14	0.27	0.11	0.22
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	14	0.27	0.11	0.22
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	14	0.27	0.11	0.22
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	14	0.27	0.11	0.22
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	14	0.27	0.11	0.22
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	14	0.27	0.11	0.22
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	14	0.26	0.08	0.27
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	14	0.26	0.08	0.27
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	14	0.26	0.08	0.27
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	14	0.26	0.08	0.27
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	14	0.26	0.08	0.27
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	14	0.26	0.08	0.27
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	14	0.26	0.08	0.27
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	14	0.26	0.08	0.27
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	14	0.26	0.08	0.27
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	14	0.26	0.08	0.27
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	14	0.26	0.08	0.27
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	14	0.26	0.08	0.27
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	14	0.23	0.08	0.22
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	14	0.23	0.08	0.22
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	14	0.21	0.08	0.2
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	14	0.2	0.02	0.2
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	14	0.19	0.06	0.18
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	14	0.19	0.06	0.18
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	14	0.19	0.06	0.18
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	14	0.18	0.04	0.19
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	14	0.18	0.04	0.19
(2,1063)	1:780:A:ARG:HH11	1:783:A:GLU:OE1	13	3.33	1.25	3.54
(2,1063)	1:780:A:ARG:HH21	1:783:A:GLU:OE2	13	3.33	1.25	3.54
(2,1063)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	13	3.33	1.25	3.54
(2,1063)	1:780:A:ARG:HH21	1:783:A:GLU:OE1	13	3.33	1.25	3.54
(2,1063)	1:780:A:ARG:HH22	1:783:A:GLU:OE1	13	3.33	1.25	3.54
(2,1488)	1:780:A:ARG:HH11	1:783:A:GLU:OE1	13	3.33	1.25	3.54
(2,1488)	1:780:A:ARG:HH21	1:783:A:GLU:OE2	13	3.33	1.25	3.54
(2,1488)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	13	3.33	1.25	3.54
(2,1488)	1:780:A:ARG:HH21	1:783:A:GLU:OE1	13	3.33	1.25	3.54
(2,1488)	1:780:A:ARG:HH22	1:783:A:GLU:OE1	13	3.33	1.25	3.54
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	13	0.63	0.23	0.57
(2,758)	1:692:A:LEU:HD12	1:696:A:ARG:HH12	13	0.6	0.35	0.45
(2,758)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	13	0.6	0.35	0.45
(2,758)	1:692:A:LEU:HD11	1:696:A:ARG:HH11	13	0.6	0.35	0.45
(2,758)	1:692:A:LEU:HD12	1:696:A:ARG:HH11	13	0.6	0.35	0.45

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,758)	1:692:A:LEU:HD12	1:696:A:ARG:HH22	13	0.6	0.35	0.45
(2,758)	1:692:A:LEU:HD13	1:696:A:ARG:HH12	13	0.6	0.35	0.45
(2,758)	1:692:A:LEU:HD11	1:696:A:ARG:HH22	13	0.6	0.35	0.45
(2,1183)	1:692:A:LEU:HD12	1:696:A:ARG:HH12	13	0.6	0.35	0.45
(2,1183)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	13	0.6	0.35	0.45
(2,1183)	1:692:A:LEU:HD11	1:696:A:ARG:HH11	13	0.6	0.35	0.45
(2,1183)	1:692:A:LEU:HD12	1:696:A:ARG:HH11	13	0.6	0.35	0.45
(2,1183)	1:692:A:LEU:HD12	1:696:A:ARG:HH22	13	0.6	0.35	0.45
(2,1183)	1:692:A:LEU:HD13	1:696:A:ARG:HH12	13	0.6	0.35	0.45
(2,1183)	1:692:A:LEU:HD11	1:696:A:ARG:HH22	13	0.6	0.35	0.45
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	13	0.41	0.16	0.35
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	13	0.41	0.16	0.35
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	13	0.41	0.16	0.35
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	13	0.41	0.16	0.35
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	13	0.32	0.11	0.33
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	13	0.32	0.11	0.33
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	13	0.32	0.11	0.33
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	13	0.28	0.08	0.26
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	13	0.28	0.08	0.26
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	13	0.28	0.08	0.26
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	13	0.27	0.13	0.26
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	13	0.27	0.09	0.24
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	13	0.27	0.09	0.24
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	13	0.27	0.09	0.24
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	13	0.27	0.09	0.24
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	13	0.27	0.09	0.24
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	13	0.27	0.09	0.24
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	13	0.27	0.09	0.24
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	13	0.27	0.09	0.24
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	13	0.27	0.09	0.24
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	13	0.27	0.09	0.24
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	13	0.27	0.09	0.24
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	13	0.27	0.09	0.24
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	13	0.25	0.12	0.23
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	13	0.25	0.12	0.23
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	13	0.25	0.12	0.23
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	13	0.25	0.12	0.23
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	13	0.25	0.12	0.22
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	13	0.25	0.12	0.22
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	13	0.25	0.12	0.22
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	13	0.24	0.04	0.23
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	13	0.23	0.06	0.24

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	13	0.23	0.06	0.24
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	13	0.23	0.06	0.24
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	13	0.23	0.06	0.24
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	13	0.23	0.06	0.24
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	13	0.23	0.06	0.24
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	13	0.23	0.11	0.18
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	13	0.23	0.11	0.18
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	13	0.23	0.11	0.18
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	13	0.23	0.08	0.22
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	13	0.23	0.08	0.22
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	13	0.19	0.06	0.18
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	13	0.15	0.04	0.17
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	13	0.15	0.04	0.17
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	13	0.15	0.04	0.17
(2,638)	1:780:B:ARG:HH22	1:783:B:GLU:OE2	12	3.27	1.85	3.06
(2,638)	1:780:B:ARG:HH22	1:783:B:GLU:OE1	12	3.27	1.85	3.06
(2,638)	1:780:B:ARG:HH11	1:783:B:GLU:OE1	12	3.27	1.85	3.06
(2,638)	1:780:B:ARG:HH21	1:783:B:GLU:OE2	12	3.27	1.85	3.06
(2,638)	1:780:B:ARG:HH11	1:783:B:GLU:OE2	12	3.27	1.85	3.06
(2,638)	1:780:B:ARG:HH21	1:783:B:GLU:OE1	12	3.27	1.85	3.06
(2,1062)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	12	2.02	1.09	2.32
(2,1062)	1:770:A:ARG:HH11	1:773:A:ASP:OD2	12	2.02	1.09	2.32
(2,1062)	1:770:A:ARG:HH22	1:773:A:ASP:OD1	12	2.02	1.09	2.32
(2,1062)	1:770:A:ARG:HH11	1:773:A:ASP:OD1	12	2.02	1.09	2.32
(2,1062)	1:770:A:ARG:HH21	1:773:A:ASP:OD2	12	2.02	1.09	2.32
(2,1487)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	12	2.02	1.09	2.32
(2,1487)	1:770:A:ARG:HH11	1:773:A:ASP:OD2	12	2.02	1.09	2.32
(2,1487)	1:770:A:ARG:HH22	1:773:A:ASP:OD1	12	2.02	1.09	2.32
(2,1487)	1:770:A:ARG:HH11	1:773:A:ASP:OD1	12	2.02	1.09	2.32
(2,1487)	1:770:A:ARG:HH21	1:773:A:ASP:OD2	12	2.02	1.09	2.32
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	12	0.42	0.17	0.42
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	12	0.42	0.17	0.42
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	12	0.42	0.17	0.42
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	12	0.42	0.2	0.44
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	12	0.42	0.2	0.44
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	12	0.42	0.2	0.44
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	12	0.42	0.2	0.44
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	12	0.31	0.14	0.34
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	12	0.31	0.14	0.34
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	12	0.31	0.14	0.34
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	12	0.31	0.14	0.34
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	12	0.31	0.14	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	12	0.31	0.14	0.34
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	12	0.31	0.14	0.34
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	12	0.31	0.14	0.34
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	12	0.31	0.14	0.34
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	12	0.31	0.14	0.34
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	12	0.31	0.14	0.34
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	12	0.31	0.14	0.34
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	12	0.28	0.14	0.22
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	12	0.28	0.14	0.22
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	12	0.28	0.15	0.22
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	12	0.28	0.15	0.22
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	12	0.28	0.15	0.22
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	12	0.28	0.15	0.22
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	12	0.28	0.15	0.22
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	12	0.28	0.15	0.22
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	12	0.28	0.15	0.22
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	12	0.28	0.15	0.22
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	12	0.28	0.15	0.22
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	12	0.28	0.15	0.22
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	12	0.28	0.15	0.22
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	12	0.28	0.15	0.22
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	12	0.24	0.1	0.23
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	12	0.24	0.1	0.23
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	12	0.24	0.1	0.23
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	12	0.24	0.1	0.23
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	12	0.24	0.1	0.23
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	12	0.24	0.1	0.23
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	12	0.21	0.07	0.2
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	12	0.21	0.07	0.2
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	12	0.21	0.07	0.2
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	12	0.21	0.07	0.2
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	12	0.21	0.07	0.2
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	12	0.21	0.07	0.2
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	12	0.21	0.06	0.22
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	12	0.21	0.06	0.22
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	12	0.18	0.06	0.18
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	12	0.18	0.06	0.18
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD1	11	2.51	1.04	2.72
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD2	11	2.51	1.04	2.72
(2,637)	1:770:B:ARG:HH11	1:773:B:ASP:OD2	11	2.51	1.04	2.72
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	11	0.68	0.15	0.69
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	11	0.68	0.15	0.69

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	11	0.68	0.15	0.69
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	11	0.68	0.15	0.69
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	11	0.68	0.15	0.69
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	11	0.68	0.15	0.69
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	11	0.68	0.15	0.69
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	11	0.68	0.15	0.69
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	11	0.68	0.15	0.69
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	11	0.51	0.14	0.53
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	11	0.51	0.14	0.53
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	11	0.51	0.14	0.53
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	11	0.51	0.14	0.53
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	11	0.51	0.14	0.53
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	11	0.51	0.14	0.53
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	11	0.51	0.14	0.53
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	11	0.51	0.14	0.53
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	11	0.51	0.14	0.53
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	11	0.51	0.14	0.53
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	11	0.51	0.14	0.53
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	11	0.51	0.14	0.53
(2,333)	1:692:B:LEU:HD12	1:696:B:ARG:HH11	11	0.4	0.21	0.42
(2,333)	1:692:B:LEU:HD11	1:696:B:ARG:HH11	11	0.4	0.21	0.42
(2,333)	1:692:B:LEU:HD13	1:696:B:ARG:HH11	11	0.4	0.21	0.42
(2,333)	1:692:B:LEU:HD13	1:696:B:ARG:HH12	11	0.4	0.21	0.42
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	11	0.34	0.13	0.3
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	11	0.34	0.13	0.3
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	11	0.3	0.1	0.31
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	11	0.3	0.1	0.31
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	11	0.3	0.1	0.31
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	11	0.3	0.1	0.31
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	11	0.3	0.1	0.31
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	11	0.3	0.1	0.31
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	11	0.28	0.13	0.23
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	11	0.28	0.13	0.23
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	11	0.21	0.06	0.21
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	11	0.21	0.06	0.21
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	11	0.21	0.07	0.2
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	11	0.21	0.07	0.2
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	11	0.18	0.04	0.19
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	11	0.18	0.04	0.19
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	11	0.18	0.04	0.19
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	10	0.52	0.17	0.54
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	10	0.52	0.17	0.54

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	10	0.49	0.06	0.5
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	10	0.49	0.06	0.5
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	10	0.49	0.06	0.5
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	10	0.49	0.06	0.5
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	10	0.49	0.06	0.5
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	10	0.49	0.06	0.5
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	10	0.33	0.1	0.34
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	10	0.33	0.1	0.34
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	10	0.33	0.1	0.34
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	10	0.31	0.22	0.22
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	10	0.31	0.22	0.22
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	10	0.27	0.08	0.31
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	10	0.27	0.08	0.31
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	10	0.27	0.08	0.31
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	10	0.27	0.08	0.31
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	10	0.27	0.08	0.31
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	10	0.27	0.08	0.31
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	10	0.27	0.15	0.22
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	10	0.27	0.15	0.22
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	10	0.27	0.15	0.22
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	10	0.27	0.15	0.22
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	10	0.27	0.15	0.22
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	10	0.27	0.15	0.22
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	10	0.25	0.07	0.26
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	10	0.25	0.07	0.26
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	10	0.25	0.07	0.26
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	10	0.25	0.07	0.26
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	10	0.24	0.14	0.19
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	10	0.24	0.14	0.19
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	10	0.24	0.14	0.19
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	10	0.24	0.14	0.19
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	10	0.24	0.14	0.19
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	10	0.24	0.14	0.19
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	10	0.23	0.08	0.21
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	10	0.23	0.08	0.21
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	10	0.23	0.08	0.21
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	10	0.23	0.08	0.21
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	10	0.21	0.09	0.2
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	10	0.21	0.09	0.2
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	10	0.21	0.09	0.2
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	10	0.21	0.09	0.2
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	10	0.21	0.09	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	10	0.21	0.09	0.2
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	10	0.21	0.07	0.25
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	10	0.21	0.07	0.25
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	10	0.19	0.05	0.18
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	10	0.19	0.04	0.18
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	10	0.19	0.04	0.18
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	10	0.19	0.04	0.18
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	10	0.19	0.04	0.18
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	10	0.19	0.04	0.18
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	10	0.19	0.04	0.18
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	10	0.18	0.04	0.18
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	10	0.18	0.04	0.18
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	10	0.18	0.04	0.18
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	10	0.14	0.03	0.13
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	10	0.14	0.03	0.13
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	10	0.14	0.03	0.13
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	9	0.32	0.07	0.33
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	9	0.32	0.07	0.33
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	9	0.28	0.16	0.2
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	9	0.28	0.16	0.2
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	9	0.28	0.16	0.2
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	9	0.28	0.16	0.2
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	9	0.28	0.16	0.2
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	9	0.28	0.16	0.2
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	9	0.28	0.16	0.2
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	9	0.28	0.16	0.2
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	9	0.28	0.16	0.2
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	9	0.28	0.16	0.2
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	9	0.28	0.16	0.2
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	9	0.28	0.16	0.2
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	9	0.28	0.17	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	9	0.28	0.17	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	9	0.28	0.17	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	9	0.28	0.17	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	9	0.28	0.17	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	9	0.28	0.17	0.26
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	9	0.24	0.11	0.2
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	9	0.24	0.11	0.2
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	9	0.22	0.06	0.21
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	9	0.22	0.06	0.21
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	9	0.22	0.06	0.21
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	9	0.22	0.06	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	9	0.22	0.06	0.21
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	9	0.22	0.06	0.21
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	9	0.21	0.06	0.22
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	9	0.21	0.06	0.22
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	9	0.21	0.06	0.22
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	9	0.21	0.06	0.22
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	9	0.2	0.13	0.14
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	9	0.2	0.13	0.14
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	9	0.19	0.02	0.19
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	9	0.19	0.02	0.19
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	9	0.19	0.02	0.19
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	9	0.19	0.02	0.19
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	9	0.19	0.13	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	9	0.19	0.13	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	9	0.19	0.13	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	9	0.19	0.13	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	9	0.19	0.13	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	9	0.19	0.13	0.13
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	9	0.19	0.07	0.16
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	9	0.19	0.07	0.16
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	9	0.19	0.07	0.16
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	9	0.19	0.07	0.16
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	9	0.19	0.07	0.16
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	9	0.19	0.07	0.16
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	9	0.17	0.05	0.17
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	9	0.17	0.05	0.17
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	9	0.17	0.05	0.17
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	9	0.17	0.05	0.17
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	9	0.17	0.05	0.17
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	9	0.17	0.05	0.17
(2,444)	1:710:B:GLN:H	1:710:B:GLN:HB3	8	0.52	0.11	0.55
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG12	8	0.41	0.16	0.48
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG13	8	0.41	0.16	0.48
(2,869)	1:710:A:GLN:H	1:710:A:GLN:HB3	8	0.39	0.15	0.44
(2,1294)	1:710:A:GLN:H	1:710:A:GLN:HB3	8	0.39	0.15	0.44
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB1	8	0.36	0.14	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB2	8	0.36	0.14	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB3	8	0.36	0.14	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB1	8	0.36	0.14	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB2	8	0.36	0.14	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB3	8	0.36	0.14	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB1	8	0.36	0.14	0.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB2	8	0.36	0.14	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB3	8	0.36	0.14	0.35
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD2	8	0.29	0.08	0.28
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD3	8	0.29	0.08	0.28
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD2	8	0.29	0.08	0.28
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD3	8	0.29	0.08	0.28
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH21	8	0.25	0.14	0.2
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH22	8	0.25	0.14	0.2
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH21	8	0.25	0.14	0.2
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH22	8	0.25	0.14	0.2
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH21	8	0.25	0.14	0.2
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH22	8	0.25	0.14	0.2
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD11	8	0.25	0.07	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD12	8	0.25	0.07	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD13	8	0.25	0.07	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD21	8	0.25	0.07	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD22	8	0.25	0.07	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD23	8	0.25	0.07	0.25
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD11	8	0.25	0.08	0.26
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD12	8	0.25	0.08	0.26
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD13	8	0.25	0.08	0.26
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD11	8	0.24	0.09	0.21
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD12	8	0.24	0.09	0.21
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD13	8	0.24	0.09	0.21
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB2	8	0.23	0.07	0.22
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB3	8	0.23	0.07	0.22
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB2	8	0.23	0.07	0.22
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB3	8	0.23	0.07	0.22
(2,897)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	8	0.23	0.09	0.24
(2,897)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	8	0.23	0.09	0.24
(2,897)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	8	0.23	0.09	0.24
(2,1322)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	8	0.23	0.09	0.24
(2,1322)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	8	0.23	0.09	0.24
(2,1322)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	8	0.23	0.09	0.24
(2,1005)	1:781:A:ILE:HG21	1:778:A:VAL:HA	8	0.22	0.03	0.24
(2,1005)	1:781:A:ILE:HG22	1:778:A:VAL:HA	8	0.22	0.03	0.24
(2,1005)	1:781:A:ILE:HG23	1:778:A:VAL:HA	8	0.22	0.03	0.24
(2,1430)	1:781:A:ILE:HG21	1:778:A:VAL:HA	8	0.22	0.03	0.24
(2,1430)	1:781:A:ILE:HG22	1:778:A:VAL:HA	8	0.22	0.03	0.24
(2,1430)	1:781:A:ILE:HG23	1:778:A:VAL:HA	8	0.22	0.03	0.24
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD2	8	0.22	0.09	0.18
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD3	8	0.22	0.09	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD1	8	0.22	0.05	0.22
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD2	8	0.22	0.05	0.22
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD1	8	0.22	0.05	0.22
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD2	8	0.22	0.05	0.22
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD1	8	0.22	0.05	0.22
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD2	8	0.22	0.05	0.22
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	8	0.21	0.12	0.16
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	8	0.21	0.12	0.16
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	8	0.21	0.12	0.16
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	8	0.21	0.12	0.16
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	8	0.21	0.12	0.16
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	8	0.21	0.12	0.16
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	8	0.21	0.12	0.16
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	8	0.21	0.12	0.16
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	8	0.21	0.12	0.16
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	8	0.21	0.12	0.16
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	8	0.21	0.12	0.16
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	8	0.21	0.12	0.16
(2,545)	1:775:B:LEU:HD11	1:772:B:ARG:HA	8	0.2	0.07	0.18
(2,545)	1:775:B:LEU:HD12	1:772:B:ARG:HA	8	0.2	0.07	0.18
(2,545)	1:775:B:LEU:HD13	1:772:B:ARG:HA	8	0.2	0.07	0.18
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB2	8	0.18	0.03	0.18
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB3	8	0.18	0.03	0.18
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD21	8	0.17	0.04	0.18
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD22	8	0.17	0.04	0.18
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD23	8	0.17	0.04	0.18
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	8	0.17	0.08	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	8	0.17	0.08	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	8	0.17	0.08	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	8	0.17	0.08	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	8	0.17	0.08	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	8	0.17	0.08	0.14
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD1	8	0.16	0.03	0.16
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD2	8	0.16	0.03	0.16
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD1	8	0.16	0.03	0.16
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD2	8	0.16	0.03	0.16
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD1	8	0.16	0.03	0.16
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD2	8	0.16	0.03	0.16
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	8	0.16	0.06	0.14
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	8	0.16	0.06	0.14
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	8	0.16	0.06	0.14
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	8	0.16	0.06	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	8	0.16	0.06	0.14
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	8	0.16	0.06	0.14
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	8	0.16	0.06	0.14
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	8	0.16	0.06	0.14
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	8	0.16	0.06	0.14
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	8	0.16	0.06	0.14
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	8	0.16	0.06	0.14
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	8	0.16	0.06	0.14
(2,245)	1:667:B:ALA:H	1:666:B:TRP:HD1	8	0.15	0.04	0.15
(1,20)	1:799:B:LEU:O	1:803:B:TRP:N	8	0.15	0.04	0.14
(1,106)	1:799:B:LEU:O	1:803:B:TRP:N	8	0.15	0.04	0.14
(1,192)	1:799:B:LEU:O	1:803:B:TRP:N	8	0.15	0.04	0.14
(1,10)	1:794:B:LYS:O	1:798:B:ASN:N	8	0.14	0.04	0.13
(1,96)	1:794:B:LYS:O	1:798:B:ASN:N	8	0.14	0.04	0.13
(1,182)	1:794:B:LYS:O	1:798:B:ASN:N	8	0.14	0.04	0.13
(2,778)	1:697:A:ILE:HG21	1:698:A:VAL:HA	7	0.81	0.18	0.88
(2,778)	1:697:A:ILE:HG22	1:698:A:VAL:HA	7	0.81	0.18	0.88
(2,778)	1:697:A:ILE:HG23	1:698:A:VAL:HA	7	0.81	0.18	0.88
(2,1203)	1:697:A:ILE:HG21	1:698:A:VAL:HA	7	0.81	0.18	0.88
(2,1203)	1:697:A:ILE:HG22	1:698:A:VAL:HA	7	0.81	0.18	0.88
(2,1203)	1:697:A:ILE:HG23	1:698:A:VAL:HA	7	0.81	0.18	0.88
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD2	7	0.33	0.12	0.32
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD3	7	0.33	0.12	0.32
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD2	7	0.33	0.12	0.32
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD3	7	0.33	0.12	0.32
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD2	7	0.33	0.12	0.32
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD3	7	0.33	0.12	0.32
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD2	7	0.32	0.16	0.29
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD3	7	0.32	0.16	0.29
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	7	0.32	0.17	0.27
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	7	0.32	0.17	0.27
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	7	0.32	0.17	0.27
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	7	0.32	0.17	0.27
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	7	0.32	0.17	0.27
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	7	0.32	0.17	0.27
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	7	0.32	0.17	0.27
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	7	0.32	0.17	0.27
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	7	0.32	0.17	0.27
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	7	0.32	0.17	0.27
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	7	0.32	0.17	0.27
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	7	0.32	0.17	0.27
(2,390)	1:704:B:LEU:H	1:704:B:LEU:HB3	7	0.31	0.21	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	7	0.27	0.1	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	7	0.27	0.1	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	7	0.27	0.1	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	7	0.27	0.1	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	7	0.27	0.1	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	7	0.27	0.1	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	7	0.27	0.1	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	7	0.27	0.1	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	7	0.27	0.1	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	7	0.27	0.1	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	7	0.27	0.1	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	7	0.27	0.1	0.3
(2,473)	1:746:B:ILE:HG21	1:750:B:ASN:HD22	7	0.22	0.11	0.16
(2,473)	1:746:B:ILE:HG22	1:750:B:ASN:HD22	7	0.22	0.11	0.16
(2,473)	1:746:B:ILE:HG23	1:750:B:ASN:HD22	7	0.22	0.11	0.16
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	7	0.22	0.06	0.22
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	7	0.22	0.06	0.22
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	7	0.22	0.06	0.22
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	7	0.22	0.06	0.22
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	7	0.22	0.06	0.22
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	7	0.22	0.06	0.22
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB2	7	0.21	0.09	0.18
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB3	7	0.21	0.09	0.18
(2,1018)	1:784:A:LEU:H	1:781:A:ILE:HA	7	0.2	0.13	0.16
(2,1443)	1:784:A:LEU:H	1:781:A:ILE:HA	7	0.2	0.13	0.16
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD11	7	0.2	0.04	0.21
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD12	7	0.2	0.04	0.21
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD13	7	0.2	0.04	0.21
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD11	7	0.2	0.04	0.21
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD12	7	0.2	0.04	0.21
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD13	7	0.2	0.04	0.21
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD11	7	0.2	0.04	0.21
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD12	7	0.2	0.04	0.21
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD13	7	0.2	0.04	0.21
(2,177)	1:803:A:TRP:HE1	1:764:B:SER:HG	7	0.17	0.04	0.17
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB2	7	0.16	0.03	0.15
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB3	7	0.16	0.03	0.15
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB2	7	0.16	0.03	0.15
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB3	7	0.16	0.03	0.15
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD11	7	0.16	0.03	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD12	7	0.16	0.03	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD13	7	0.16	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD21	7	0.16	0.03	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD22	7	0.16	0.03	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD23	7	0.16	0.03	0.14
(1,5)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.15	0.06	0.12
(1,25)	1:802:B:TYR:O	1:806:B:GLU:H	7	0.15	0.04	0.13
(1,91)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.15	0.06	0.12
(1,111)	1:802:B:TYR:O	1:806:B:GLU:H	7	0.15	0.04	0.13
(1,177)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.15	0.06	0.12
(1,197)	1:802:B:TYR:O	1:806:B:GLU:H	7	0.15	0.04	0.13
(1,75)	1:837:B:SER:O	1:841:B:ARG:H	7	0.14	0.03	0.14
(1,161)	1:837:B:SER:O	1:841:B:ARG:H	7	0.14	0.03	0.14
(1,247)	1:837:B:SER:O	1:841:B:ARG:H	7	0.14	0.03	0.14
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD11	7	0.14	0.04	0.13
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD12	7	0.14	0.04	0.13
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD13	7	0.14	0.04	0.13
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD1	7	0.14	0.04	0.13
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD2	7	0.14	0.04	0.13
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD1	7	0.14	0.04	0.13
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD2	7	0.14	0.04	0.13
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD1	7	0.14	0.04	0.13
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD2	7	0.14	0.04	0.13
(2,821)	1:705:A:VAL:H	1:702:A:LEU:HA	7	0.14	0.04	0.11
(2,1246)	1:705:A:VAL:H	1:702:A:LEU:HA	7	0.14	0.04	0.11
(1,47)	1:813:B:SER:O	1:817:B:ALA:H	7	0.13	0.03	0.12
(1,133)	1:813:B:SER:O	1:817:B:ALA:H	7	0.13	0.03	0.12
(1,219)	1:813:B:SER:O	1:817:B:ALA:H	7	0.13	0.03	0.12
(1,61)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.13	0.02	0.12
(1,147)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.13	0.02	0.12
(1,233)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.13	0.02	0.12
(2,683)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,683)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,683)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,683)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,683)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,683)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,1108)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,1108)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,1108)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,1108)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,1108)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,1108)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	7	0.13	0.01	0.13
(2,576)	1:781:B:ILE:H	1:780:B:ARG:HA	7	0.12	0.01	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD2	6	0.34	0.3	0.22
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD3	6	0.34	0.3	0.22
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD2	6	0.34	0.3	0.22
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD3	6	0.34	0.3	0.22
(2,81)	1:708:A:VAL:HG21	1:714:B:PRO:HA	6	0.32	0.11	0.36
(2,81)	1:708:A:VAL:HG22	1:714:B:PRO:HA	6	0.32	0.11	0.36
(2,81)	1:708:A:VAL:HG23	1:714:B:PRO:HA	6	0.32	0.11	0.36
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	6	0.3	0.15	0.3
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	6	0.3	0.15	0.3
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	6	0.3	0.15	0.3
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	6	0.3	0.15	0.3
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	6	0.3	0.15	0.3
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	6	0.3	0.15	0.3
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	6	0.3	0.15	0.3
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	6	0.3	0.15	0.3
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	6	0.3	0.15	0.3
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	6	0.3	0.15	0.3
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	6	0.3	0.15	0.3
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	6	0.3	0.15	0.3
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB2	6	0.27	0.14	0.24
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB3	6	0.27	0.14	0.24
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB2	6	0.27	0.14	0.24
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB3	6	0.27	0.14	0.24
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB2	6	0.27	0.14	0.24
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB3	6	0.27	0.14	0.24
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	6	0.26	0.14	0.22
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	6	0.26	0.14	0.22
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	6	0.26	0.14	0.22
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	6	0.26	0.14	0.22
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	6	0.26	0.14	0.22
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	6	0.26	0.14	0.22
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	6	0.26	0.14	0.22
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	6	0.26	0.14	0.22
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	6	0.26	0.14	0.22
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	6	0.26	0.14	0.22
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	6	0.26	0.14	0.22
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	6	0.26	0.14	0.22
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG11	6	0.26	0.09	0.28
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG12	6	0.26	0.09	0.28
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG13	6	0.26	0.09	0.28
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG21	6	0.26	0.09	0.28
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG22	6	0.26	0.09	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG23	6	0.26	0.09	0.28
(2,296)	1:682:B:ILE:HD11	1:681:B:TYR:H	6	0.23	0.11	0.21
(2,296)	1:682:B:ILE:HD12	1:681:B:TYR:H	6	0.23	0.11	0.21
(2,296)	1:682:B:ILE:HD13	1:681:B:TYR:H	6	0.23	0.11	0.21
(2,575)	1:781:B:ILE:H	1:778:B:VAL:HA	6	0.23	0.06	0.25
(2,405)	1:705:B:VAL:HG21	1:702:B:LEU:HG	6	0.22	0.16	0.16
(2,405)	1:705:B:VAL:HG22	1:702:B:LEU:HG	6	0.22	0.16	0.16
(2,405)	1:705:B:VAL:HG23	1:702:B:LEU:HG	6	0.22	0.16	0.16
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB2	6	0.22	0.09	0.16
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB3	6	0.22	0.09	0.16
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB2	6	0.22	0.09	0.16
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB3	6	0.22	0.09	0.16
(2,940)	1:760:A:LEU:HD11	1:757:A:TRP:HA	6	0.21	0.06	0.24
(2,940)	1:760:A:LEU:HD12	1:757:A:TRP:HA	6	0.21	0.06	0.24
(2,940)	1:760:A:LEU:HD13	1:757:A:TRP:HA	6	0.21	0.06	0.24
(2,1365)	1:760:A:LEU:HD11	1:757:A:TRP:HA	6	0.21	0.06	0.24
(2,1365)	1:760:A:LEU:HD12	1:757:A:TRP:HA	6	0.21	0.06	0.24
(2,1365)	1:760:A:LEU:HD13	1:757:A:TRP:HA	6	0.21	0.06	0.24
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG12	6	0.21	0.07	0.18
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG13	6	0.21	0.07	0.18
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD2	6	0.2	0.07	0.2
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD3	6	0.2	0.07	0.2
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD2	6	0.2	0.07	0.2
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD3	6	0.2	0.07	0.2
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD2	6	0.2	0.07	0.2
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD3	6	0.2	0.07	0.2
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD2	6	0.2	0.08	0.18
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD3	6	0.2	0.08	0.18
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD2	6	0.2	0.08	0.18
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD3	6	0.2	0.08	0.18
(2,1000)	1:781:A:ILE:H	1:778:A:VAL:HA	6	0.2	0.04	0.2
(2,1425)	1:781:A:ILE:H	1:778:A:VAL:HA	6	0.2	0.04	0.2
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	6	0.19	0.08	0.16
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	6	0.19	0.08	0.16
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	6	0.19	0.08	0.16
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	6	0.19	0.08	0.16
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	6	0.19	0.08	0.16
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	6	0.19	0.08	0.16
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	6	0.19	0.08	0.16
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	6	0.19	0.08	0.16
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	6	0.19	0.08	0.16
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	6	0.19	0.08	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	6	0.19	0.08	0.16
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	6	0.19	0.08	0.16
(2,1032)	1:785:A:LEU:HD21	1:782:A:VAL:HA	6	0.19	0.04	0.18
(2,1032)	1:785:A:LEU:HD22	1:782:A:VAL:HA	6	0.19	0.04	0.18
(2,1032)	1:785:A:LEU:HD23	1:782:A:VAL:HA	6	0.19	0.04	0.18
(2,1457)	1:785:A:LEU:HD21	1:782:A:VAL:HA	6	0.19	0.04	0.18
(2,1457)	1:785:A:LEU:HD22	1:782:A:VAL:HA	6	0.19	0.04	0.18
(2,1457)	1:785:A:LEU:HD23	1:782:A:VAL:HA	6	0.19	0.04	0.18
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB2	6	0.19	0.06	0.17
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB3	6	0.19	0.06	0.17
(2,219)	1:663:B:LEU:H	1:664:B:ASP:H	6	0.18	0.05	0.18
(2,225)	1:664:B:ASP:H	1:663:B:LEU:H	6	0.18	0.05	0.18
(2,989)	1:778:A:VAL:HG21	1:775:A:LEU:HA	6	0.18	0.05	0.19
(2,989)	1:778:A:VAL:HG22	1:775:A:LEU:HA	6	0.18	0.05	0.19
(2,989)	1:778:A:VAL:HG23	1:775:A:LEU:HA	6	0.18	0.05	0.19
(2,1414)	1:778:A:VAL:HG21	1:775:A:LEU:HA	6	0.18	0.05	0.19
(2,1414)	1:778:A:VAL:HG22	1:775:A:LEU:HA	6	0.18	0.05	0.19
(2,1414)	1:778:A:VAL:HG23	1:775:A:LEU:HA	6	0.18	0.05	0.19
(2,653)	1:665:A:LYS:H	1:662:A:GLU:HA	6	0.18	0.06	0.16
(2,1078)	1:665:A:LYS:H	1:662:A:GLU:HA	6	0.18	0.06	0.16
(2,601)	1:785:B:LEU:H	1:782:B:VAL:HA	6	0.18	0.05	0.18
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	6	0.18	0.03	0.18
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	6	0.18	0.03	0.18
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	6	0.18	0.03	0.18
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	6	0.18	0.03	0.18
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	6	0.18	0.03	0.18
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	6	0.18	0.03	0.18
(2,701)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	6	0.17	0.05	0.16
(2,701)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	6	0.17	0.05	0.16
(2,701)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	6	0.17	0.05	0.16
(2,1126)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	6	0.17	0.05	0.16
(2,1126)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	6	0.17	0.05	0.16
(2,1126)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	6	0.17	0.05	0.16
(2,13)	1:666:B:TRP:HE1	1:666:A:TRP:HD1	6	0.16	0.03	0.16
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	6	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	6	0.16	0.04	0.16
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	6	0.16	0.04	0.16
(2,259)	1:670:B:TRP:H	1:667:B:ALA:HA	6	0.15	0.02	0.15
(2,904)	1:748:A:LEU:H	1:745:A:SER:HA	6	0.15	0.04	0.14
(2,1329)	1:748:A:LEU:H	1:745:A:SER:HA	6	0.15	0.04	0.14
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG21	6	0.13	0.02	0.12
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG22	6	0.13	0.02	0.12
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG23	6	0.13	0.02	0.12
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG21	6	0.13	0.02	0.12
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG22	6	0.13	0.02	0.12
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG23	6	0.13	0.02	0.12
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG21	6	0.13	0.02	0.12
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG22	6	0.13	0.02	0.12
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG23	6	0.13	0.02	0.12
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD11	5	0.32	0.08	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD12	5	0.32	0.08	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD13	5	0.32	0.08	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD21	5	0.32	0.08	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD22	5	0.32	0.08	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD23	5	0.32	0.08	0.34
(2,943)	1:763:A:LEU:HD11	1:759:A:ASP:HA	5	0.32	0.08	0.32
(2,943)	1:763:A:LEU:HD12	1:759:A:ASP:HA	5	0.32	0.08	0.32
(2,943)	1:763:A:LEU:HD13	1:759:A:ASP:HA	5	0.32	0.08	0.32
(2,1368)	1:763:A:LEU:HD11	1:759:A:ASP:HA	5	0.32	0.08	0.32
(2,1368)	1:763:A:LEU:HD12	1:759:A:ASP:HA	5	0.32	0.08	0.32
(2,1368)	1:763:A:LEU:HD13	1:759:A:ASP:HA	5	0.32	0.08	0.32
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG12	5	0.32	0.13	0.37
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG13	5	0.32	0.13	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG12	5	0.32	0.13	0.37
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG13	5	0.32	0.13	0.37
(2,114)	1:781:A:ILE:HD11	1:743:B:ASP:HA	5	0.31	0.2	0.21
(2,114)	1:781:A:ILE:HD12	1:743:B:ASP:HA	5	0.31	0.2	0.21
(2,114)	1:781:A:ILE:HD13	1:743:B:ASP:HA	5	0.31	0.2	0.21
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD11	5	0.31	0.22	0.2
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD12	5	0.31	0.22	0.2
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD13	5	0.31	0.22	0.2
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	5	0.31	0.12	0.34
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	5	0.31	0.12	0.34
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	5	0.31	0.12	0.34
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	5	0.31	0.12	0.34
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	5	0.31	0.12	0.34
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	5	0.31	0.12	0.34
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	5	0.31	0.12	0.34
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	5	0.31	0.12	0.34
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	5	0.31	0.12	0.34
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	5	0.31	0.12	0.34
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	5	0.31	0.12	0.34
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	5	0.31	0.12	0.34
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD2	5	0.3	0.25	0.2
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD3	5	0.3	0.25	0.2
(2,228)	1:665:B:LYS:H	1:662:B:GLU:HA	5	0.3	0.15	0.35
(2,234)	1:666:B:TRP:H	1:663:B:LEU:HA	5	0.27	0.09	0.27
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	5	0.26	0.1	0.32
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	5	0.26	0.1	0.32
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	5	0.26	0.1	0.32
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	5	0.26	0.1	0.32
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	5	0.26	0.1	0.32
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	5	0.26	0.1	0.32
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	5	0.26	0.1	0.32
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	5	0.26	0.1	0.32
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	5	0.26	0.1	0.32
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	5	0.26	0.1	0.32
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	5	0.26	0.1	0.32
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	5	0.26	0.1	0.32
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB2	5	0.24	0.13	0.15
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB3	5	0.24	0.13	0.15
(2,1026)	1:785:A:LEU:H	1:782:A:VAL:HA	5	0.21	0.07	0.18
(2,1451)	1:785:A:LEU:H	1:782:A:VAL:HA	5	0.21	0.07	0.18
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	5	0.21	0.05	0.21
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	5	0.21	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	5	0.21	0.05	0.21
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	5	0.21	0.05	0.21
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	5	0.21	0.05	0.21
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	5	0.21	0.05	0.21
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	5	0.21	0.05	0.21
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	5	0.21	0.05	0.21
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	5	0.21	0.05	0.21
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	5	0.21	0.05	0.21
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	5	0.21	0.05	0.21
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	5	0.21	0.05	0.21
(2,711)	1:678:A:TRP:HE1	1:682:A:ILE:H	5	0.2	0.09	0.19
(2,1136)	1:678:A:TRP:HE1	1:682:A:ILE:H	5	0.2	0.09	0.19
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD11	5	0.2	0.09	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD12	5	0.2	0.09	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD13	5	0.2	0.09	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD21	5	0.2	0.09	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD22	5	0.2	0.09	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD23	5	0.2	0.09	0.2
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	5	0.2	0.15	0.12
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	5	0.2	0.15	0.12
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	5	0.2	0.15	0.12
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	5	0.2	0.15	0.12
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	5	0.2	0.15	0.12
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	5	0.2	0.15	0.12
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	5	0.2	0.15	0.12
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	5	0.2	0.15	0.12
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	5	0.2	0.15	0.12
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	5	0.2	0.15	0.12
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	5	0.2	0.15	0.12
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	5	0.2	0.15	0.12
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD11	5	0.19	0.08	0.17
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD12	5	0.19	0.08	0.17
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD13	5	0.19	0.08	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG11	5	0.19	0.08	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG12	5	0.19	0.08	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG13	5	0.19	0.08	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG21	5	0.19	0.08	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG22	5	0.19	0.08	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG23	5	0.19	0.08	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG11	5	0.19	0.08	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG12	5	0.19	0.08	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG13	5	0.19	0.08	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG21	5	0.19	0.08	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG22	5	0.19	0.08	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG23	5	0.19	0.08	0.17
(2,718)	1:682:A:ILE:HG21	1:679:A:LEU:H	5	0.19	0.07	0.16
(2,718)	1:682:A:ILE:HG22	1:679:A:LEU:H	5	0.19	0.07	0.16
(2,718)	1:682:A:ILE:HG23	1:679:A:LEU:H	5	0.19	0.07	0.16
(2,1143)	1:682:A:ILE:HG21	1:679:A:LEU:H	5	0.19	0.07	0.16
(2,1143)	1:682:A:ILE:HG22	1:679:A:LEU:H	5	0.19	0.07	0.16
(2,1143)	1:682:A:ILE:HG23	1:679:A:LEU:H	5	0.19	0.07	0.16
(2,126)	1:785:A:LEU:HD21	1:749:B:VAL:HB	5	0.18	0.05	0.2
(2,126)	1:785:A:LEU:HD22	1:749:B:VAL:HB	5	0.18	0.05	0.2
(2,126)	1:785:A:LEU:HD23	1:749:B:VAL:HB	5	0.18	0.05	0.2
(2,780)	1:698:A:VAL:HG11	1:695:A:LEU:HA	5	0.18	0.08	0.13
(2,780)	1:698:A:VAL:HG12	1:695:A:LEU:HA	5	0.18	0.08	0.13
(2,780)	1:698:A:VAL:HG13	1:695:A:LEU:HA	5	0.18	0.08	0.13
(2,1205)	1:698:A:VAL:HG11	1:695:A:LEU:HA	5	0.18	0.08	0.13
(2,1205)	1:698:A:VAL:HG12	1:695:A:LEU:HA	5	0.18	0.08	0.13
(2,1205)	1:698:A:VAL:HG13	1:695:A:LEU:HA	5	0.18	0.08	0.13
(2,479)	1:748:B:LEU:H	1:745:B:SER:HA	5	0.18	0.06	0.16
(2,272)	1:674:B:ASP:H	1:677:B:ASN:H	5	0.18	0.04	0.18
(2,502)	1:755:B:LEU:H	1:752:B:SER:HA	5	0.18	0.02	0.19
(2,515)	1:760:B:LEU:HD11	1:757:B:TRP:HA	5	0.17	0.03	0.16
(2,515)	1:760:B:LEU:HD12	1:757:B:TRP:HA	5	0.17	0.03	0.16
(2,515)	1:760:B:LEU:HD13	1:757:B:TRP:HA	5	0.17	0.03	0.16
(2,519)	1:763:B:LEU:HD11	1:764:B:SER:HG	5	0.16	0.04	0.14
(2,519)	1:763:B:LEU:HD12	1:764:B:SER:HG	5	0.16	0.04	0.14
(2,519)	1:763:B:LEU:HD13	1:764:B:SER:HG	5	0.16	0.04	0.14
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	5	0.16	0.06	0.16
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	5	0.16	0.06	0.16
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	5	0.16	0.06	0.16
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	5	0.16	0.06	0.16
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	5	0.16	0.06	0.16
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	5	0.16	0.06	0.16
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	5	0.16	0.03	0.15
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	5	0.16	0.03	0.15
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	5	0.16	0.03	0.15
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	5	0.16	0.03	0.15
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	5	0.16	0.03	0.15
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	5	0.16	0.03	0.15
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	5	0.16	0.03	0.15
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	5	0.16	0.03	0.15
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	5	0.16	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	5	0.16	0.06	0.16
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	5	0.16	0.06	0.16
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	5	0.16	0.06	0.16
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	5	0.16	0.06	0.16
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	5	0.16	0.06	0.16
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	5	0.16	0.06	0.16
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	5	0.16	0.03	0.15
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	5	0.16	0.03	0.15
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	5	0.16	0.03	0.15
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	5	0.16	0.03	0.15
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	5	0.16	0.03	0.15
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	5	0.16	0.03	0.15
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	5	0.16	0.03	0.15
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	5	0.16	0.03	0.15
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	5	0.16	0.03	0.15
(2,253)	1:669:B:LEU:H	1:666:B:TRP:HA	5	0.16	0.02	0.16
(2,608)	1:786:B:GLY:H	1:782:B:VAL:HA	5	0.16	0.06	0.15
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD11	5	0.15	0.04	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD12	5	0.15	0.04	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD13	5	0.15	0.04	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD21	5	0.15	0.04	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD22	5	0.15	0.04	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD23	5	0.15	0.04	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD11	5	0.15	0.04	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD12	5	0.15	0.04	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD13	5	0.15	0.04	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD21	5	0.15	0.04	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD22	5	0.15	0.04	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD23	5	0.15	0.04	0.14
(1,3)	1:791:B:GLU:O	1:795:B:TYR:H	5	0.15	0.01	0.16
(1,89)	1:791:B:GLU:O	1:795:B:TYR:H	5	0.15	0.01	0.16
(1,175)	1:791:B:GLU:O	1:795:B:TYR:H	5	0.15	0.01	0.16
(2,367)	1:700:B:ALA:HB1	1:697:B:ILE:HA	5	0.15	0.04	0.15
(2,367)	1:700:B:ALA:HB2	1:697:B:ILE:HA	5	0.15	0.04	0.15
(2,367)	1:700:B:ALA:HB3	1:697:B:ILE:HA	5	0.15	0.04	0.15
(2,615)	1:796:B:TRP:HE1	1:796:B:TRP:H	5	0.14	0.02	0.13
(2,925)	1:754:A:ALA:HB1	1:758:A:ASP:H	5	0.14	0.02	0.13
(2,925)	1:754:A:ALA:HB2	1:758:A:ASP:H	5	0.14	0.02	0.13
(2,925)	1:754:A:ALA:HB3	1:758:A:ASP:H	5	0.14	0.02	0.13
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB1	5	0.14	0.02	0.13
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB2	5	0.14	0.02	0.13
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB3	5	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1350)	1:754:A:ALA:HB1	1:758:A:ASP:H	5	0.14	0.02	0.13
(2,1350)	1:754:A:ALA:HB2	1:758:A:ASP:H	5	0.14	0.02	0.13
(2,1350)	1:754:A:ALA:HB3	1:758:A:ASP:H	5	0.14	0.02	0.13
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB1	5	0.14	0.02	0.13
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB2	5	0.14	0.02	0.13
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB3	5	0.14	0.02	0.13
(2,286)	1:678:B:TRP:HE1	1:682:B:ILE:H	5	0.13	0.03	0.11
(2,799)	1:702:A:LEU:H	1:699:A:PHE:HA	5	0.12	0.02	0.11
(2,1224)	1:702:A:LEU:H	1:699:A:PHE:HA	5	0.12	0.02	0.11
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD21	4	0.41	0.21	0.44
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD22	4	0.41	0.21	0.44
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD23	4	0.41	0.21	0.44
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB2	4	0.4	0.15	0.42
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB3	4	0.4	0.15	0.42
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB2	4	0.4	0.15	0.42
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB3	4	0.4	0.15	0.42
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB2	4	0.4	0.15	0.42
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB3	4	0.4	0.15	0.42
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB2	4	0.4	0.18	0.42
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB3	4	0.4	0.18	0.42
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD11	4	0.36	0.16	0.33
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD12	4	0.36	0.16	0.33
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD13	4	0.36	0.16	0.33
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD11	4	0.36	0.16	0.33
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD12	4	0.36	0.16	0.33
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD13	4	0.36	0.16	0.33
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	4	0.34	0.13	0.34
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	4	0.34	0.13	0.34
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	4	0.34	0.13	0.34
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	4	0.34	0.13	0.34
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	4	0.34	0.13	0.34
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	4	0.34	0.13	0.34
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	4	0.34	0.13	0.34
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	4	0.34	0.13	0.34
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	4	0.34	0.13	0.34
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	4	0.34	0.13	0.34
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	4	0.34	0.13	0.34
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	4	0.34	0.13	0.34
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD11	4	0.31	0.11	0.33
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD12	4	0.31	0.11	0.33
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD13	4	0.31	0.11	0.33
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD21	4	0.31	0.11	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD22	4	0.31	0.11	0.33
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD23	4	0.31	0.11	0.33
(2,241)	1:666:B:TRP:HE1	1:662:B:GLU:H	4	0.27	0.05	0.26
(2,470)	1:746:B:ILE:HD11	1:743:B:ASP:HA	4	0.26	0.17	0.2
(2,470)	1:746:B:ILE:HD12	1:743:B:ASP:HA	4	0.26	0.17	0.2
(2,470)	1:746:B:ILE:HD13	1:743:B:ASP:HA	4	0.26	0.17	0.2
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	4	0.25	0.1	0.26
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	4	0.25	0.1	0.26
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	4	0.25	0.1	0.26
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	4	0.25	0.1	0.26
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	4	0.25	0.1	0.26
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	4	0.25	0.1	0.26
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	4	0.25	0.06	0.26
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	4	0.25	0.06	0.26
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	4	0.25	0.06	0.26
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	4	0.25	0.06	0.26
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	4	0.25	0.06	0.26
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	4	0.25	0.06	0.26
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	4	0.25	0.1	0.26
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	4	0.25	0.1	0.26
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	4	0.25	0.1	0.26
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	4	0.25	0.1	0.26
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	4	0.25	0.1	0.26
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	4	0.25	0.1	0.26
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	4	0.25	0.06	0.26
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	4	0.25	0.06	0.26
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	4	0.25	0.06	0.26
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	4	0.25	0.06	0.26
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	4	0.25	0.06	0.26
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	4	0.25	0.06	0.26
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG21	4	0.25	0.09	0.3
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG22	4	0.25	0.09	0.3
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG23	4	0.25	0.09	0.3
(2,798)	1:701:A:VAL:HG21	1:698:A:VAL:HA	4	0.24	0.1	0.23
(2,798)	1:701:A:VAL:HG22	1:698:A:VAL:HA	4	0.24	0.1	0.23
(2,798)	1:701:A:VAL:HG23	1:698:A:VAL:HA	4	0.24	0.1	0.23
(2,1223)	1:701:A:VAL:HG21	1:698:A:VAL:HA	4	0.24	0.1	0.23
(2,1223)	1:701:A:VAL:HG22	1:698:A:VAL:HA	4	0.24	0.1	0.23
(2,1223)	1:701:A:VAL:HG23	1:698:A:VAL:HA	4	0.24	0.1	0.23
(2,518)	1:763:B:LEU:HD11	1:759:B:ASP:HA	4	0.23	0.09	0.23
(2,518)	1:763:B:LEU:HD12	1:759:B:ASP:HA	4	0.23	0.09	0.23
(2,518)	1:763:B:LEU:HD13	1:759:B:ASP:HA	4	0.23	0.09	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	4	0.22	0.14	0.16
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	4	0.22	0.14	0.16
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	4	0.22	0.14	0.16
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	4	0.22	0.14	0.16
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	4	0.22	0.14	0.16
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	4	0.22	0.14	0.16
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	4	0.22	0.14	0.16
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	4	0.22	0.14	0.16
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	4	0.22	0.14	0.16
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	4	0.22	0.14	0.16
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	4	0.22	0.14	0.16
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	4	0.22	0.14	0.16
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	4	0.22	0.14	0.16
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	4	0.22	0.14	0.16
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	4	0.22	0.14	0.16
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	4	0.22	0.14	0.16
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	4	0.22	0.14	0.16
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	4	0.22	0.14	0.16
(2,414)	1:707:B:ARG:H	1:704:B:LEU:HA	4	0.22	0.05	0.22
(2,697)	1:674:A:ASP:H	1:677:A:ASN:H	4	0.21	0.05	0.2
(2,1122)	1:674:A:ASP:H	1:677:A:ASN:H	4	0.21	0.05	0.2
(2,586)	1:782:B:VAL:HG21	1:779:B:THR:HA	4	0.2	0.09	0.2
(2,586)	1:782:B:VAL:HG22	1:779:B:THR:HA	4	0.2	0.09	0.2
(2,586)	1:782:B:VAL:HG23	1:779:B:THR:HA	4	0.2	0.09	0.2
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	4	0.2	0.08	0.16
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	4	0.2	0.08	0.16
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	4	0.2	0.08	0.16
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	4	0.2	0.08	0.16
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	4	0.2	0.08	0.16
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	4	0.2	0.08	0.16
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	4	0.2	0.08	0.16
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	4	0.2	0.08	0.16
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	4	0.2	0.08	0.16
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	4	0.2	0.08	0.16
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	4	0.2	0.08	0.16
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	4	0.2	0.08	0.16
(2,898)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	4	0.19	0.04	0.18
(2,898)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	4	0.19	0.04	0.18
(2,898)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	4	0.19	0.04	0.18
(2,1323)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	4	0.19	0.04	0.18
(2,1323)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	4	0.19	0.04	0.18
(2,1323)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	4	0.19	0.04	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA2	4	0.18	0.08	0.16
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA3	4	0.18	0.08	0.16
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA2	4	0.18	0.08	0.16
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA3	4	0.18	0.08	0.16
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA2	4	0.18	0.08	0.16
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA3	4	0.18	0.08	0.16
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG2	4	0.18	0.07	0.15
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG3	4	0.18	0.07	0.15
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG2	4	0.18	0.07	0.15
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG3	4	0.18	0.07	0.15
(2,546)	1:776:B:LEU:H	1:773:B:ASP:HA	4	0.18	0.03	0.16
(2,268)	1:672:B:TRP:H	1:673:B:PHE:H	4	0.18	0.11	0.12
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD1	4	0.17	0.04	0.16
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD2	4	0.17	0.04	0.16
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD1	4	0.17	0.04	0.16
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD2	4	0.17	0.04	0.16
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD1	4	0.17	0.04	0.16
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD2	4	0.17	0.04	0.16
(2,693)	1:672:A:TRP:H	1:673:A:PHE:H	4	0.16	0.03	0.17
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	4	0.16	0.05	0.14
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	4	0.16	0.05	0.14
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	4	0.16	0.05	0.14
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	4	0.16	0.05	0.14
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	4	0.16	0.05	0.14
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	4	0.16	0.05	0.14
(2,1118)	1:672:A:TRP:H	1:673:A:PHE:H	4	0.16	0.03	0.17
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	4	0.16	0.05	0.14
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	4	0.16	0.05	0.14
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	4	0.16	0.05	0.14
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	4	0.16	0.05	0.14
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	4	0.16	0.05	0.14
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	4	0.16	0.05	0.14
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG21	4	0.16	0.01	0.16
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG22	4	0.16	0.01	0.16
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG23	4	0.16	0.01	0.16
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG21	4	0.16	0.01	0.16
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG22	4	0.16	0.01	0.16
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG23	4	0.16	0.01	0.16
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG21	4	0.16	0.01	0.16
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG22	4	0.16	0.01	0.16
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG23	4	0.16	0.01	0.16
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG11	4	0.16	0.05	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG12	4	0.16	0.05	0.15
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG13	4	0.16	0.05	0.15
(2,280)	1:676:B:THR:HG21	1:681:B:TYR:HH	4	0.15	0.03	0.15
(2,280)	1:676:B:THR:HG22	1:681:B:TYR:HH	4	0.15	0.03	0.15
(2,280)	1:676:B:THR:HG23	1:681:B:TYR:HH	4	0.15	0.03	0.15
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG2	4	0.15	0.03	0.16
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG3	4	0.15	0.03	0.16
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG2	4	0.15	0.03	0.16
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG3	4	0.15	0.03	0.16
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG2	4	0.15	0.03	0.16
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG3	4	0.15	0.03	0.16
(2,593)	1:784:B:LEU:H	1:781:B:ILE:HA	4	0.14	0.03	0.14
(2,770)	1:695:A:LEU:HD21	1:698:A:VAL:HB	4	0.14	0.03	0.14
(2,770)	1:695:A:LEU:HD22	1:698:A:VAL:HB	4	0.14	0.03	0.14
(2,770)	1:695:A:LEU:HD23	1:698:A:VAL:HB	4	0.14	0.03	0.14
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	4	0.14	0.01	0.14
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	4	0.14	0.01	0.14
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	4	0.14	0.01	0.14
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	4	0.14	0.01	0.14
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	4	0.14	0.01	0.14
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	4	0.14	0.01	0.14
(2,1011)	1:782:A:VAL:HG21	1:779:A:THR:HA	4	0.14	0.02	0.15
(2,1011)	1:782:A:VAL:HG22	1:779:A:THR:HA	4	0.14	0.02	0.15
(2,1011)	1:782:A:VAL:HG23	1:779:A:THR:HA	4	0.14	0.02	0.15
(2,1195)	1:695:A:LEU:HD21	1:698:A:VAL:HB	4	0.14	0.03	0.14
(2,1195)	1:695:A:LEU:HD22	1:698:A:VAL:HB	4	0.14	0.03	0.14
(2,1195)	1:695:A:LEU:HD23	1:698:A:VAL:HB	4	0.14	0.03	0.14
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	4	0.14	0.01	0.14
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	4	0.14	0.01	0.14
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	4	0.14	0.01	0.14
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	4	0.14	0.01	0.14
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	4	0.14	0.01	0.14
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	4	0.14	0.01	0.14
(2,1436)	1:782:A:VAL:HG21	1:779:A:THR:HA	4	0.14	0.02	0.15
(2,1436)	1:782:A:VAL:HG22	1:779:A:THR:HA	4	0.14	0.02	0.15
(2,1436)	1:782:A:VAL:HG23	1:779:A:THR:HA	4	0.14	0.02	0.15
(1,73)	1:836:B:ALA:O	1:840:B:ILE:H	4	0.14	0.02	0.14
(1,159)	1:836:B:ALA:O	1:840:B:ILE:H	4	0.14	0.02	0.14
(1,245)	1:836:B:ALA:O	1:840:B:ILE:H	4	0.14	0.02	0.14
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB2	4	0.13	0.02	0.12
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB3	4	0.13	0.02	0.12
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD1	4	0.13	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD2	4	0.13	0.01	0.12
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD1	4	0.13	0.01	0.12
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD2	4	0.13	0.01	0.12
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD1	4	0.13	0.01	0.12
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD2	4	0.13	0.01	0.12
(2,666)	1:666:A:TRP:HE1	1:662:A:GLU:H	4	0.13	0.01	0.14
(2,1091)	1:666:A:TRP:HE1	1:662:A:GLU:H	4	0.13	0.01	0.14
(1,85)	1:850:B:GLY:O	1:854:B:ILE:H	4	0.13	0.01	0.12
(1,171)	1:850:B:GLY:O	1:854:B:ILE:H	4	0.13	0.01	0.12
(1,257)	1:850:B:GLY:O	1:854:B:ILE:H	4	0.13	0.01	0.12
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE21	4	0.13	0.02	0.12
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE22	4	0.13	0.02	0.12
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE21	4	0.13	0.02	0.12
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE22	4	0.13	0.02	0.12
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE21	4	0.13	0.02	0.12
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE22	4	0.13	0.02	0.12
(1,4)	1:791:B:GLU:O	1:795:B:TYR:N	4	0.12	0.02	0.12
(1,90)	1:791:B:GLU:O	1:795:B:TYR:N	4	0.12	0.02	0.12
(1,176)	1:791:B:GLU:O	1:795:B:TYR:N	4	0.12	0.02	0.12
(1,27)	1:803:B:TRP:O	1:807:B:LEU:H	4	0.12	0.02	0.12
(1,113)	1:803:B:TRP:O	1:807:B:LEU:H	4	0.12	0.02	0.12
(1,199)	1:803:B:TRP:O	1:807:B:LEU:H	4	0.12	0.02	0.12
(2,276)	1:676:B:THR:HG21	1:666:B:TRP:HZ3	4	0.12	0.01	0.12
(2,276)	1:676:B:THR:HG22	1:666:B:TRP:HZ3	4	0.12	0.01	0.12
(2,276)	1:676:B:THR:HG23	1:666:B:TRP:HZ3	4	0.12	0.01	0.12
(2,1001)	1:781:A:ILE:H	1:780:A:ARG:HA	4	0.12	0.01	0.12
(2,1426)	1:781:A:ILE:H	1:780:A:ARG:HA	4	0.12	0.01	0.12
(2,672)	1:667:A:ALA:HB1	1:664:A:ASP:HA	4	0.12	0.0	0.12
(2,672)	1:667:A:ALA:HB2	1:664:A:ASP:HA	4	0.12	0.0	0.12
(2,672)	1:667:A:ALA:HB3	1:664:A:ASP:HA	4	0.12	0.0	0.12
(2,1097)	1:667:A:ALA:HB1	1:664:A:ASP:HA	4	0.12	0.0	0.12
(2,1097)	1:667:A:ALA:HB2	1:664:A:ASP:HA	4	0.12	0.0	0.12
(2,1097)	1:667:A:ALA:HB3	1:664:A:ASP:HA	4	0.12	0.0	0.12
(2,41)	1:693:A:ILE:H	1:693:A:ILE:HG12	3	1.04	0.17	1.03
(2,41)	1:693:A:ILE:H	1:693:A:ILE:HG13	3	1.04	0.17	1.03
(2,783)	1:698:A:VAL:HG11	1:702:A:LEU:HB2	3	0.65	0.07	0.66
(2,783)	1:698:A:VAL:HG11	1:702:A:LEU:HB3	3	0.65	0.07	0.66
(2,783)	1:698:A:VAL:HG12	1:702:A:LEU:HB2	3	0.65	0.07	0.66
(2,783)	1:698:A:VAL:HG12	1:702:A:LEU:HB3	3	0.65	0.07	0.66
(2,783)	1:698:A:VAL:HG13	1:702:A:LEU:HB2	3	0.65	0.07	0.66
(2,783)	1:698:A:VAL:HG13	1:702:A:LEU:HB3	3	0.65	0.07	0.66
(2,1208)	1:698:A:VAL:HG11	1:702:A:LEU:HB2	3	0.65	0.07	0.66

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1208)	1:698:A:VAL:HG11	1:702:A:LEU:HB3	3	0.65	0.07	0.66
(2,1208)	1:698:A:VAL:HG12	1:702:A:LEU:HB2	3	0.65	0.07	0.66
(2,1208)	1:698:A:VAL:HG12	1:702:A:LEU:HB3	3	0.65	0.07	0.66
(2,1208)	1:698:A:VAL:HG13	1:702:A:LEU:HB2	3	0.65	0.07	0.66
(2,1208)	1:698:A:VAL:HG13	1:702:A:LEU:HB3	3	0.65	0.07	0.66
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD21	3	0.4	0.04	0.42
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD22	3	0.4	0.04	0.42
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD23	3	0.4	0.04	0.42
(2,12)	1:666:A:TRP:HE1	1:666:B:TRP:HZ2	3	0.35	0.14	0.37
(2,420)	1:707:B:ARG:H	1:707:B:ARG:HG2	3	0.31	0.09	0.35
(2,420)	1:707:B:ARG:H	1:707:B:ARG:HG3	3	0.31	0.09	0.35
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB1	3	0.3	0.08	0.32
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB2	3	0.3	0.08	0.32
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB3	3	0.3	0.08	0.32
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB1	3	0.3	0.08	0.32
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB2	3	0.3	0.08	0.32
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB3	3	0.3	0.08	0.32
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB1	3	0.3	0.08	0.32
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB2	3	0.3	0.08	0.32
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB3	3	0.3	0.08	0.32
(2,863)	1:709:A:ARG:HE	1:709:A:ARG:H	3	0.3	0.16	0.23
(2,1288)	1:709:A:ARG:HE	1:709:A:ARG:H	3	0.3	0.16	0.23
(2,1057)	1:852:A:GLU:H	1:848:A:ARG:HG2	3	0.3	0.13	0.39
(2,1057)	1:852:A:GLU:H	1:848:A:ARG:HG3	3	0.3	0.13	0.39
(2,1482)	1:852:A:GLU:H	1:848:A:ARG:HG2	3	0.3	0.13	0.39
(2,1482)	1:852:A:GLU:H	1:848:A:ARG:HG3	3	0.3	0.13	0.39
(2,403)	1:705:B:VAL:HG11	1:709:B:ARG:HD2	3	0.27	0.19	0.14
(2,403)	1:705:B:VAL:HG11	1:709:B:ARG:HD3	3	0.27	0.19	0.14
(2,403)	1:705:B:VAL:HG12	1:709:B:ARG:HD2	3	0.27	0.19	0.14
(2,403)	1:705:B:VAL:HG12	1:709:B:ARG:HD3	3	0.27	0.19	0.14
(2,403)	1:705:B:VAL:HG13	1:709:B:ARG:HD2	3	0.27	0.19	0.14
(2,403)	1:705:B:VAL:HG13	1:709:B:ARG:HD3	3	0.27	0.19	0.14
(2,719)	1:682:A:ILE:HG21	1:685:A:PHE:HB2	3	0.25	0.04	0.26
(2,719)	1:682:A:ILE:HG21	1:685:A:PHE:HB3	3	0.25	0.04	0.26
(2,719)	1:682:A:ILE:HG22	1:685:A:PHE:HB2	3	0.25	0.04	0.26
(2,719)	1:682:A:ILE:HG22	1:685:A:PHE:HB3	3	0.25	0.04	0.26
(2,719)	1:682:A:ILE:HG23	1:685:A:PHE:HB2	3	0.25	0.04	0.26
(2,719)	1:682:A:ILE:HG23	1:685:A:PHE:HB3	3	0.25	0.04	0.26
(2,757)	1:692:A:LEU:HD11	1:691:A:SER:HB2	3	0.25	0.1	0.3
(2,757)	1:692:A:LEU:HD11	1:691:A:SER:HB3	3	0.25	0.1	0.3
(2,757)	1:692:A:LEU:HD12	1:691:A:SER:HB2	3	0.25	0.1	0.3
(2,757)	1:692:A:LEU:HD12	1:691:A:SER:HB3	3	0.25	0.1	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,757)	1:692:A:LEU:HD13	1:691:A:SER:HB2	3	0.25	0.1	0.3
(2,757)	1:692:A:LEU:HD13	1:691:A:SER:HB3	3	0.25	0.1	0.3
(2,1144)	1:682:A:ILE:HG21	1:685:A:PHE:HB2	3	0.25	0.04	0.26
(2,1144)	1:682:A:ILE:HG21	1:685:A:PHE:HB3	3	0.25	0.04	0.26
(2,1144)	1:682:A:ILE:HG22	1:685:A:PHE:HB2	3	0.25	0.04	0.26
(2,1144)	1:682:A:ILE:HG22	1:685:A:PHE:HB3	3	0.25	0.04	0.26
(2,1144)	1:682:A:ILE:HG23	1:685:A:PHE:HB2	3	0.25	0.04	0.26
(2,1144)	1:682:A:ILE:HG23	1:685:A:PHE:HB3	3	0.25	0.04	0.26
(2,1182)	1:692:A:LEU:HD11	1:691:A:SER:HB2	3	0.25	0.1	0.3
(2,1182)	1:692:A:LEU:HD11	1:691:A:SER:HB3	3	0.25	0.1	0.3
(2,1182)	1:692:A:LEU:HD12	1:691:A:SER:HB2	3	0.25	0.1	0.3
(2,1182)	1:692:A:LEU:HD12	1:691:A:SER:HB3	3	0.25	0.1	0.3
(2,1182)	1:692:A:LEU:HD13	1:691:A:SER:HB2	3	0.25	0.1	0.3
(2,1182)	1:692:A:LEU:HD13	1:691:A:SER:HB3	3	0.25	0.1	0.3
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD11	3	0.25	0.08	0.22
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD12	3	0.25	0.08	0.22
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD13	3	0.25	0.08	0.22
(2,751)	1:689:A:VAL:HG21	1:685:A:PHE:HD1	3	0.24	0.04	0.26
(2,751)	1:689:A:VAL:HG21	1:685:A:PHE:HD2	3	0.24	0.04	0.26
(2,751)	1:689:A:VAL:HG22	1:685:A:PHE:HD1	3	0.24	0.04	0.26
(2,751)	1:689:A:VAL:HG22	1:685:A:PHE:HD2	3	0.24	0.04	0.26
(2,751)	1:689:A:VAL:HG23	1:685:A:PHE:HD1	3	0.24	0.04	0.26
(2,751)	1:689:A:VAL:HG23	1:685:A:PHE:HD2	3	0.24	0.04	0.26
(2,1176)	1:689:A:VAL:HG21	1:685:A:PHE:HD1	3	0.24	0.04	0.26
(2,1176)	1:689:A:VAL:HG21	1:685:A:PHE:HD2	3	0.24	0.04	0.26
(2,1176)	1:689:A:VAL:HG22	1:685:A:PHE:HD1	3	0.24	0.04	0.26
(2,1176)	1:689:A:VAL:HG22	1:685:A:PHE:HD2	3	0.24	0.04	0.26
(2,1176)	1:689:A:VAL:HG23	1:685:A:PHE:HD1	3	0.24	0.04	0.26
(2,1176)	1:689:A:VAL:HG23	1:685:A:PHE:HD2	3	0.24	0.04	0.26
(2,797)	1:701:A:VAL:HG11	1:698:A:VAL:HA	3	0.23	0.07	0.27
(2,797)	1:701:A:VAL:HG12	1:698:A:VAL:HA	3	0.23	0.07	0.27
(2,797)	1:701:A:VAL:HG13	1:698:A:VAL:HA	3	0.23	0.07	0.27
(2,1222)	1:701:A:VAL:HG11	1:698:A:VAL:HA	3	0.23	0.07	0.27
(2,1222)	1:701:A:VAL:HG12	1:698:A:VAL:HA	3	0.23	0.07	0.27
(2,1222)	1:701:A:VAL:HG13	1:698:A:VAL:HA	3	0.23	0.07	0.27
(2,982)	1:777:A:ILE:HD11	1:774:A:LEU:HA	3	0.22	0.01	0.22
(2,982)	1:777:A:ILE:HD12	1:774:A:LEU:HA	3	0.22	0.01	0.22
(2,982)	1:777:A:ILE:HD13	1:774:A:LEU:HA	3	0.22	0.01	0.22
(2,1407)	1:777:A:ILE:HD11	1:774:A:LEU:HA	3	0.22	0.01	0.22
(2,1407)	1:777:A:ILE:HD12	1:774:A:LEU:HA	3	0.22	0.01	0.22
(2,1407)	1:777:A:ILE:HD13	1:774:A:LEU:HA	3	0.22	0.01	0.22
(2,618)	1:797:B:TRP:H	1:796:B:TRP:HD1	3	0.2	0.05	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,970)	1:775:A:LEU:HD11	1:772:A:ARG:HA	3	0.2	0.08	0.14
(2,970)	1:775:A:LEU:HD12	1:772:A:ARG:HA	3	0.2	0.08	0.14
(2,970)	1:775:A:LEU:HD13	1:772:A:ARG:HA	3	0.2	0.08	0.14
(2,1395)	1:775:A:LEU:HD11	1:772:A:ARG:HA	3	0.2	0.08	0.14
(2,1395)	1:775:A:LEU:HD12	1:772:A:ARG:HA	3	0.2	0.08	0.14
(2,1395)	1:775:A:LEU:HD13	1:772:A:ARG:HA	3	0.2	0.08	0.14
(2,214)	1:661:B:LEU:HD11	1:662:B:GLU:HG2	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD11	1:662:B:GLU:HG3	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD12	1:662:B:GLU:HG2	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD12	1:662:B:GLU:HG3	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD13	1:662:B:GLU:HG2	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD13	1:662:B:GLU:HG3	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD21	1:662:B:GLU:HG2	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD21	1:662:B:GLU:HG3	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD22	1:662:B:GLU:HG2	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD22	1:662:B:GLU:HG3	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD23	1:662:B:GLU:HG2	3	0.19	0.06	0.17
(2,214)	1:661:B:LEU:HD23	1:662:B:GLU:HG3	3	0.19	0.06	0.17
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD11	3	0.19	0.02	0.2
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD12	3	0.19	0.02	0.2
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD13	3	0.19	0.02	0.2
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD11	3	0.19	0.02	0.2
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD12	3	0.19	0.02	0.2
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD13	3	0.19	0.02	0.2
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD11	3	0.17	0.06	0.18
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD12	3	0.17	0.06	0.18
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD13	3	0.17	0.06	0.18
(2,580)	1:781:B:ILE:HG21	1:778:B:VAL:HA	3	0.17	0.07	0.14
(2,580)	1:781:B:ILE:HG22	1:778:B:VAL:HA	3	0.17	0.07	0.14
(2,580)	1:781:B:ILE:HG23	1:778:B:VAL:HA	3	0.17	0.07	0.14
(2,977)	1:777:A:ILE:H	1:774:A:LEU:HA	3	0.17	0.03	0.17
(2,1402)	1:777:A:ILE:H	1:774:A:LEU:HA	3	0.17	0.03	0.17
(2,55)	1:696:B:ARG:HE	1:694:A:GLY:HA2	3	0.16	0.01	0.16
(2,55)	1:696:B:ARG:HE	1:694:A:GLY:HA3	3	0.16	0.01	0.16
(2,777)	1:697:A:ILE:HG21	1:694:A:GLY:HA2	3	0.16	0.04	0.18
(2,777)	1:697:A:ILE:HG21	1:694:A:GLY:HA3	3	0.16	0.04	0.18
(2,777)	1:697:A:ILE:HG22	1:694:A:GLY:HA2	3	0.16	0.04	0.18
(2,777)	1:697:A:ILE:HG22	1:694:A:GLY:HA3	3	0.16	0.04	0.18
(2,777)	1:697:A:ILE:HG23	1:694:A:GLY:HA2	3	0.16	0.04	0.18
(2,777)	1:697:A:ILE:HG23	1:694:A:GLY:HA3	3	0.16	0.04	0.18
(2,1202)	1:697:A:ILE:HG21	1:694:A:GLY:HA2	3	0.16	0.04	0.18
(2,1202)	1:697:A:ILE:HG21	1:694:A:GLY:HA3	3	0.16	0.04	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1202)	1:697:A:ILE:HG22	1:694:A:GLY:HA2	3	0.16	0.04	0.18
(2,1202)	1:697:A:ILE:HG22	1:694:A:GLY:HA3	3	0.16	0.04	0.18
(2,1202)	1:697:A:ILE:HG23	1:694:A:GLY:HA2	3	0.16	0.04	0.18
(2,1202)	1:697:A:ILE:HG23	1:694:A:GLY:HA3	3	0.16	0.04	0.18
(2,705)	1:676:A:THR:HG21	1:681:A:TYR:HH	3	0.16	0.04	0.14
(2,705)	1:676:A:THR:HG22	1:681:A:TYR:HH	3	0.16	0.04	0.14
(2,705)	1:676:A:THR:HG23	1:681:A:TYR:HH	3	0.16	0.04	0.14
(2,1130)	1:676:A:THR:HG21	1:681:A:TYR:HH	3	0.16	0.04	0.14
(2,1130)	1:676:A:THR:HG22	1:681:A:TYR:HH	3	0.16	0.04	0.14
(2,1130)	1:676:A:THR:HG23	1:681:A:TYR:HH	3	0.16	0.04	0.14
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD11	3	0.16	0.03	0.17
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD12	3	0.16	0.03	0.17
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD13	3	0.16	0.03	0.17
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD11	3	0.16	0.03	0.17
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD12	3	0.16	0.03	0.17
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD13	3	0.16	0.03	0.17
(2,153)	1:792:A:ALA:H	1:752:B:SER:HB2	3	0.15	0.02	0.15
(2,153)	1:792:A:ALA:H	1:752:B:SER:HB3	3	0.15	0.02	0.15
(2,587)	1:783:B:GLU:H	1:780:B:ARG:HA	3	0.15	0.04	0.12
(2,667)	1:667:A:ALA:H	1:664:A:ASP:HA	3	0.15	0.04	0.14
(2,1092)	1:667:A:ALA:H	1:664:A:ASP:HA	3	0.15	0.04	0.14
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD11	3	0.15	0.02	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD12	3	0.15	0.02	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD13	3	0.15	0.02	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD21	3	0.15	0.02	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD22	3	0.15	0.02	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD23	3	0.15	0.02	0.13
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD11	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD12	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD13	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD21	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD22	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD23	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD11	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD12	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD13	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD21	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD22	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD23	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD11	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD12	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD13	3	0.15	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD21	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD22	3	0.15	0.02	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD23	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD11	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD12	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD13	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD21	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD22	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD23	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD11	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD12	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD13	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD21	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD22	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD23	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD11	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD12	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD13	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD21	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD22	3	0.15	0.02	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD23	3	0.15	0.02	0.16
(2,292)	1:681:B:TYR:H	1:682:B:ILE:H	3	0.14	0.03	0.14
(2,599)	1:784:B:LEU:HD11	1:787:B:ARG:HD2	3	0.14	0.02	0.14
(2,599)	1:784:B:LEU:HD11	1:787:B:ARG:HD3	3	0.14	0.02	0.14
(2,599)	1:784:B:LEU:HD12	1:787:B:ARG:HD2	3	0.14	0.02	0.14
(2,599)	1:784:B:LEU:HD12	1:787:B:ARG:HD3	3	0.14	0.02	0.14
(2,599)	1:784:B:LEU:HD13	1:787:B:ARG:HD2	3	0.14	0.02	0.14
(2,599)	1:784:B:LEU:HD13	1:787:B:ARG:HD3	3	0.14	0.02	0.14
(2,684)	1:670:A:TRP:H	1:667:A:ALA:HA	3	0.14	0.01	0.14
(2,1109)	1:670:A:TRP:H	1:667:A:ALA:HA	3	0.14	0.01	0.14
(2,330)	1:692:B:LEU:HD11	1:689:B:VAL:HA	3	0.14	0.04	0.12
(2,330)	1:692:B:LEU:HD12	1:689:B:VAL:HA	3	0.14	0.04	0.12
(2,330)	1:692:B:LEU:HD13	1:689:B:VAL:HA	3	0.14	0.04	0.12
(2,890)	1:746:A:ILE:H	1:743:A:ASP:HB2	3	0.14	0.04	0.12
(2,890)	1:746:A:ILE:H	1:743:A:ASP:HB3	3	0.14	0.04	0.12
(2,1033)	1:786:A:GLY:H	1:782:A:VAL:HA	3	0.14	0.03	0.15
(2,1315)	1:746:A:ILE:H	1:743:A:ASP:HB2	3	0.14	0.04	0.12
(2,1315)	1:746:A:ILE:H	1:743:A:ASP:HB3	3	0.14	0.04	0.12
(2,1458)	1:786:A:GLY:H	1:782:A:VAL:HA	3	0.14	0.03	0.15
(1,17)	1:798:B:ASN:O	1:802:B:TYR:H	3	0.13	0.01	0.14
(1,103)	1:798:B:ASN:O	1:802:B:TYR:H	3	0.13	0.01	0.14
(1,189)	1:798:B:ASN:O	1:802:B:TYR:H	3	0.13	0.01	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,336)	1:693:B:ILE:HD11	1:697:B:ILE:H	3	0.13	0.03	0.12
(2,336)	1:693:B:ILE:HD12	1:697:B:ILE:H	3	0.13	0.03	0.12
(2,336)	1:693:B:ILE:HD13	1:697:B:ILE:H	3	0.13	0.03	0.12
(2,768)	1:695:A:LEU:HD11	1:691:A:SER:HB2	3	0.13	0.01	0.13
(2,768)	1:695:A:LEU:HD11	1:691:A:SER:HB3	3	0.13	0.01	0.13
(2,768)	1:695:A:LEU:HD12	1:691:A:SER:HB2	3	0.13	0.01	0.13
(2,768)	1:695:A:LEU:HD12	1:691:A:SER:HB3	3	0.13	0.01	0.13
(2,768)	1:695:A:LEU:HD13	1:691:A:SER:HB2	3	0.13	0.01	0.13
(2,768)	1:695:A:LEU:HD13	1:691:A:SER:HB3	3	0.13	0.01	0.13
(2,927)	1:755:A:LEU:H	1:752:A:SER:HA	3	0.13	0.01	0.13
(2,1193)	1:695:A:LEU:HD11	1:691:A:SER:HB2	3	0.13	0.01	0.13
(2,1193)	1:695:A:LEU:HD11	1:691:A:SER:HB3	3	0.13	0.01	0.13
(2,1193)	1:695:A:LEU:HD12	1:691:A:SER:HB2	3	0.13	0.01	0.13
(2,1193)	1:695:A:LEU:HD12	1:691:A:SER:HB3	3	0.13	0.01	0.13
(2,1193)	1:695:A:LEU:HD13	1:691:A:SER:HB2	3	0.13	0.01	0.13
(2,1193)	1:695:A:LEU:HD13	1:691:A:SER:HB3	3	0.13	0.01	0.13
(2,1352)	1:755:A:LEU:H	1:752:A:SER:HA	3	0.13	0.01	0.13
(1,12)	1:795:B:TYR:O	1:799:B:LEU:N	3	0.12	0.01	0.12
(1,98)	1:795:B:TYR:O	1:799:B:LEU:N	3	0.12	0.01	0.12
(1,184)	1:795:B:TYR:O	1:799:B:LEU:N	3	0.12	0.01	0.12
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD11	3	0.12	0.01	0.11
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD12	3	0.12	0.01	0.11
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD13	3	0.12	0.01	0.11
(1,69)	1:834:B:GLN:O	1:838:B:ARG:H	3	0.12	0.02	0.11
(1,155)	1:834:B:GLN:O	1:838:B:ARG:H	3	0.12	0.02	0.11
(1,241)	1:834:B:GLN:O	1:838:B:ARG:H	3	0.12	0.02	0.11
(2,541)	1:775:B:LEU:H	1:774:B:LEU:HA	3	0.12	0.01	0.12
(2,742)	1:686:A:ILE:HD11	1:683:A:ARG:HA	3	0.1	0.0	0.1
(2,742)	1:686:A:ILE:HD12	1:683:A:ARG:HA	3	0.1	0.0	0.1
(2,742)	1:686:A:ILE:HD13	1:683:A:ARG:HA	3	0.1	0.0	0.1
(2,1167)	1:686:A:ILE:HD11	1:683:A:ARG:HA	3	0.1	0.0	0.1
(2,1167)	1:686:A:ILE:HD12	1:683:A:ARG:HA	3	0.1	0.0	0.1
(2,1167)	1:686:A:ILE:HD13	1:683:A:ARG:HA	3	0.1	0.0	0.1
(2,445)	1:710:B:GLN:H	1:710:B:GLN:HB2	2	0.64	0.01	0.64
(2,339)	1:693:B:ILE:HG21	1:694:B:GLY:H	2	0.52	0.01	0.52
(2,339)	1:693:B:ILE:HG22	1:694:B:GLY:H	2	0.52	0.01	0.52
(2,339)	1:693:B:ILE:HG23	1:694:B:GLY:H	2	0.52	0.01	0.52
(2,491)	1:753:B:LEU:HD11	1:757:B:TRP:HB2	2	0.44	0.11	0.44
(2,491)	1:753:B:LEU:HD11	1:757:B:TRP:HB3	2	0.44	0.11	0.44
(2,491)	1:753:B:LEU:HD12	1:757:B:TRP:HB2	2	0.44	0.11	0.44
(2,491)	1:753:B:LEU:HD12	1:757:B:TRP:HB3	2	0.44	0.11	0.44
(2,491)	1:753:B:LEU:HD13	1:757:B:TRP:HB2	2	0.44	0.11	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,491)	1:753:B:LEU:HD13	1:757:B:TRP:HB3	2	0.44	0.11	0.44
(2,882)	1:740:A:ARG:H	1:739:A:GLU:HA	2	0.38	0.1	0.38
(2,1307)	1:740:A:ARG:H	1:739:A:GLU:HA	2	0.38	0.1	0.38
(2,212)	1:839:A:ALA:H	1:808:A:LYS:HZ1	2	0.31	0.08	0.31
(2,212)	1:839:A:ALA:H	1:808:A:LYS:HZ2	2	0.31	0.08	0.31
(2,212)	1:839:A:ALA:H	1:808:A:LYS:HZ3	2	0.31	0.08	0.31
(2,213)	1:839:A:ALA:H	1:808:A:LYS:HZ1	2	0.31	0.08	0.31
(2,213)	1:839:A:ALA:H	1:808:A:LYS:HZ2	2	0.31	0.08	0.31
(2,213)	1:839:A:ALA:H	1:808:A:LYS:HZ3	2	0.31	0.08	0.31
(2,373)	1:701:B:VAL:HG21	1:698:B:VAL:HA	2	0.31	0.04	0.31
(2,373)	1:701:B:VAL:HG22	1:698:B:VAL:HA	2	0.31	0.04	0.31
(2,373)	1:701:B:VAL:HG23	1:698:B:VAL:HA	2	0.31	0.04	0.31
(2,1051)	1:817:A:ALA:H	1:816:A:ASN:HB2	2	0.3	0.02	0.3
(2,1051)	1:817:A:ALA:H	1:816:A:ASN:HB3	2	0.3	0.02	0.3
(2,1476)	1:817:A:ALA:H	1:816:A:ASN:HB2	2	0.3	0.02	0.3
(2,1476)	1:817:A:ALA:H	1:816:A:ASN:HB3	2	0.3	0.02	0.3
(2,626)	1:817:B:ALA:H	1:816:B:ASN:HB2	2	0.3	0.08	0.3
(2,626)	1:817:B:ALA:H	1:816:B:ASN:HB3	2	0.3	0.08	0.3
(2,947)	1:764:A:SER:H	1:761:A:ARG:HA	2	0.29	0.04	0.29
(2,1372)	1:764:A:SER:H	1:761:A:ARG:HA	2	0.29	0.04	0.29
(2,499)	1:754:B:ALA:HB1	1:753:B:LEU:HD21	2	0.29	0.16	0.29
(2,499)	1:754:B:ALA:HB1	1:753:B:LEU:HD22	2	0.29	0.16	0.29
(2,499)	1:754:B:ALA:HB1	1:753:B:LEU:HD23	2	0.29	0.16	0.29
(2,499)	1:754:B:ALA:HB2	1:753:B:LEU:HD21	2	0.29	0.16	0.29
(2,499)	1:754:B:ALA:HB2	1:753:B:LEU:HD22	2	0.29	0.16	0.29
(2,499)	1:754:B:ALA:HB2	1:753:B:LEU:HD23	2	0.29	0.16	0.29
(2,499)	1:754:B:ALA:HB3	1:753:B:LEU:HD21	2	0.29	0.16	0.29
(2,499)	1:754:B:ALA:HB3	1:753:B:LEU:HD22	2	0.29	0.16	0.29
(2,499)	1:754:B:ALA:HB3	1:753:B:LEU:HD23	2	0.29	0.16	0.29
(2,760)	1:693:A:ILE:HD11	1:694:A:GLY:HA2	2	0.28	0.12	0.28
(2,760)	1:693:A:ILE:HD11	1:694:A:GLY:HA3	2	0.28	0.12	0.28
(2,760)	1:693:A:ILE:HD12	1:694:A:GLY:HA2	2	0.28	0.12	0.28
(2,760)	1:693:A:ILE:HD12	1:694:A:GLY:HA3	2	0.28	0.12	0.28
(2,760)	1:693:A:ILE:HD13	1:694:A:GLY:HA2	2	0.28	0.12	0.28
(2,760)	1:693:A:ILE:HD13	1:694:A:GLY:HA3	2	0.28	0.12	0.28
(2,1185)	1:693:A:ILE:HD11	1:694:A:GLY:HA2	2	0.28	0.12	0.28
(2,1185)	1:693:A:ILE:HD11	1:694:A:GLY:HA3	2	0.28	0.12	0.28
(2,1185)	1:693:A:ILE:HD12	1:694:A:GLY:HA2	2	0.28	0.12	0.28
(2,1185)	1:693:A:ILE:HD12	1:694:A:GLY:HA3	2	0.28	0.12	0.28
(2,1185)	1:693:A:ILE:HD13	1:694:A:GLY:HA2	2	0.28	0.12	0.28
(2,1185)	1:693:A:ILE:HD13	1:694:A:GLY:HA3	2	0.28	0.12	0.28
(2,438)	1:709:B:ARG:HE	1:709:B:ARG:H	2	0.28	0.02	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,117)	1:781:A:ILE:HD11	1:746:B:ILE:HG12	2	0.27	0.05	0.27
(2,117)	1:781:A:ILE:HD11	1:746:B:ILE:HG13	2	0.27	0.05	0.27
(2,117)	1:781:A:ILE:HD12	1:746:B:ILE:HG12	2	0.27	0.05	0.27
(2,117)	1:781:A:ILE:HD12	1:746:B:ILE:HG13	2	0.27	0.05	0.27
(2,117)	1:781:A:ILE:HD13	1:746:B:ILE:HG12	2	0.27	0.05	0.27
(2,117)	1:781:A:ILE:HD13	1:746:B:ILE:HG13	2	0.27	0.05	0.27
(2,295)	1:682:B:ILE:HG21	1:685:B:PHE:HD1	2	0.25	0.15	0.25
(2,295)	1:682:B:ILE:HG21	1:685:B:PHE:HD2	2	0.25	0.15	0.25
(2,295)	1:682:B:ILE:HG22	1:685:B:PHE:HD1	2	0.25	0.15	0.25
(2,295)	1:682:B:ILE:HG22	1:685:B:PHE:HD2	2	0.25	0.15	0.25
(2,295)	1:682:B:ILE:HG23	1:685:B:PHE:HD1	2	0.25	0.15	0.25
(2,295)	1:682:B:ILE:HG23	1:685:B:PHE:HD2	2	0.25	0.15	0.25
(2,629)	1:835:B:GLY:H	1:834:B:GLN:HG2	2	0.24	0.04	0.24
(2,629)	1:835:B:GLY:H	1:834:B:GLN:HG3	2	0.24	0.04	0.24
(2,102)	1:759:A:ASP:H	1:709:B:ARG:HD2	2	0.24	0.11	0.24
(2,102)	1:759:A:ASP:H	1:709:B:ARG:HD3	2	0.24	0.11	0.24
(2,744)	1:686:A:ILE:HD11	1:685:A:PHE:HD1	2	0.24	0.05	0.24
(2,744)	1:686:A:ILE:HD11	1:685:A:PHE:HD2	2	0.24	0.05	0.24
(2,744)	1:686:A:ILE:HD12	1:685:A:PHE:HD1	2	0.24	0.05	0.24
(2,744)	1:686:A:ILE:HD12	1:685:A:PHE:HD2	2	0.24	0.05	0.24
(2,744)	1:686:A:ILE:HD13	1:685:A:PHE:HD1	2	0.24	0.05	0.24
(2,744)	1:686:A:ILE:HD13	1:685:A:PHE:HD2	2	0.24	0.05	0.24
(2,1169)	1:686:A:ILE:HD11	1:685:A:PHE:HD1	2	0.24	0.05	0.24
(2,1169)	1:686:A:ILE:HD11	1:685:A:PHE:HD2	2	0.24	0.05	0.24
(2,1169)	1:686:A:ILE:HD12	1:685:A:PHE:HD1	2	0.24	0.05	0.24
(2,1169)	1:686:A:ILE:HD12	1:685:A:PHE:HD2	2	0.24	0.05	0.24
(2,1169)	1:686:A:ILE:HD13	1:685:A:PHE:HD1	2	0.24	0.05	0.24
(2,1169)	1:686:A:ILE:HD13	1:685:A:PHE:HD2	2	0.24	0.05	0.24
(2,828)	1:705:A:VAL:HG11	1:709:A:ARG:HD2	2	0.22	0.1	0.22
(2,828)	1:705:A:VAL:HG11	1:709:A:ARG:HD3	2	0.22	0.1	0.22
(2,828)	1:705:A:VAL:HG12	1:709:A:ARG:HD2	2	0.22	0.1	0.22
(2,828)	1:705:A:VAL:HG12	1:709:A:ARG:HD3	2	0.22	0.1	0.22
(2,828)	1:705:A:VAL:HG13	1:709:A:ARG:HD2	2	0.22	0.1	0.22
(2,828)	1:705:A:VAL:HG13	1:709:A:ARG:HD3	2	0.22	0.1	0.22
(2,1253)	1:705:A:VAL:HG11	1:709:A:ARG:HD2	2	0.22	0.1	0.22
(2,1253)	1:705:A:VAL:HG11	1:709:A:ARG:HD3	2	0.22	0.1	0.22
(2,1253)	1:705:A:VAL:HG12	1:709:A:ARG:HD2	2	0.22	0.1	0.22
(2,1253)	1:705:A:VAL:HG12	1:709:A:ARG:HD3	2	0.22	0.1	0.22
(2,1253)	1:705:A:VAL:HG13	1:709:A:ARG:HD2	2	0.22	0.1	0.22
(2,1253)	1:705:A:VAL:HG13	1:709:A:ARG:HD3	2	0.22	0.1	0.22
(2,327)	1:689:B:VAL:HG21	1:685:B:PHE:HE1	2	0.22	0.1	0.22
(2,327)	1:689:B:VAL:HG21	1:685:B:PHE:HE2	2	0.22	0.1	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,327)	1:689:B:VAL:HG22	1:685:B:PHE:HE1	2	0.22	0.1	0.22
(2,327)	1:689:B:VAL:HG22	1:685:B:PHE:HE2	2	0.22	0.1	0.22
(2,327)	1:689:B:VAL:HG23	1:685:B:PHE:HE1	2	0.22	0.1	0.22
(2,327)	1:689:B:VAL:HG23	1:685:B:PHE:HE2	2	0.22	0.1	0.22
(2,748)	1:688:A:ILE:HD11	1:684:A:ILE:HD11	2	0.22	0.1	0.22
(2,748)	1:688:A:ILE:HD11	1:684:A:ILE:HD12	2	0.22	0.1	0.22
(2,748)	1:688:A:ILE:HD11	1:684:A:ILE:HD13	2	0.22	0.1	0.22
(2,748)	1:688:A:ILE:HD12	1:684:A:ILE:HD11	2	0.22	0.1	0.22
(2,748)	1:688:A:ILE:HD12	1:684:A:ILE:HD12	2	0.22	0.1	0.22
(2,748)	1:688:A:ILE:HD12	1:684:A:ILE:HD13	2	0.22	0.1	0.22
(2,748)	1:688:A:ILE:HD13	1:684:A:ILE:HD11	2	0.22	0.1	0.22
(2,748)	1:688:A:ILE:HD13	1:684:A:ILE:HD12	2	0.22	0.1	0.22
(2,748)	1:688:A:ILE:HD13	1:684:A:ILE:HD13	2	0.22	0.1	0.22
(2,1173)	1:688:A:ILE:HD11	1:684:A:ILE:HD11	2	0.22	0.1	0.22
(2,1173)	1:688:A:ILE:HD11	1:684:A:ILE:HD12	2	0.22	0.1	0.22
(2,1173)	1:688:A:ILE:HD11	1:684:A:ILE:HD13	2	0.22	0.1	0.22
(2,1173)	1:688:A:ILE:HD12	1:684:A:ILE:HD11	2	0.22	0.1	0.22
(2,1173)	1:688:A:ILE:HD12	1:684:A:ILE:HD12	2	0.22	0.1	0.22
(2,1173)	1:688:A:ILE:HD12	1:684:A:ILE:HD13	2	0.22	0.1	0.22
(2,1173)	1:688:A:ILE:HD13	1:684:A:ILE:HD11	2	0.22	0.1	0.22
(2,1173)	1:688:A:ILE:HD13	1:684:A:ILE:HD12	2	0.22	0.1	0.22
(2,1173)	1:688:A:ILE:HD13	1:684:A:ILE:HD13	2	0.22	0.1	0.22
(2,755)	1:692:A:LEU:HD11	1:689:A:VAL:HA	2	0.21	0.1	0.21
(2,755)	1:692:A:LEU:HD12	1:689:A:VAL:HA	2	0.21	0.1	0.21
(2,755)	1:692:A:LEU:HD13	1:689:A:VAL:HA	2	0.21	0.1	0.21
(2,1180)	1:692:A:LEU:HD11	1:689:A:VAL:HA	2	0.21	0.1	0.21
(2,1180)	1:692:A:LEU:HD12	1:689:A:VAL:HA	2	0.21	0.1	0.21
(2,1180)	1:692:A:LEU:HD13	1:689:A:VAL:HA	2	0.21	0.1	0.21
(2,630)	1:835:B:GLY:H	1:834:B:GLN:HE21	2	0.2	0.08	0.2
(2,630)	1:835:B:GLY:H	1:834:B:GLN:HE22	2	0.2	0.08	0.2
(2,644)	1:663:A:LEU:H	1:664:A:ASP:H	2	0.2	0.02	0.2
(2,650)	1:664:A:ASP:H	1:663:A:LEU:H	2	0.2	0.02	0.2
(2,1069)	1:663:A:LEU:H	1:664:A:ASP:H	2	0.2	0.02	0.2
(2,1075)	1:664:A:ASP:H	1:663:A:LEU:H	2	0.2	0.02	0.2
(2,354)	1:697:B:ILE:HG21	1:700:B:ALA:HB1	2	0.19	0.02	0.19
(2,354)	1:697:B:ILE:HG21	1:700:B:ALA:HB2	2	0.19	0.02	0.19
(2,354)	1:697:B:ILE:HG21	1:700:B:ALA:HB3	2	0.19	0.02	0.19
(2,354)	1:697:B:ILE:HG22	1:700:B:ALA:HB1	2	0.19	0.02	0.19
(2,354)	1:697:B:ILE:HG22	1:700:B:ALA:HB2	2	0.19	0.02	0.19
(2,354)	1:697:B:ILE:HG22	1:700:B:ALA:HB3	2	0.19	0.02	0.19
(2,354)	1:697:B:ILE:HG23	1:700:B:ALA:HB1	2	0.19	0.02	0.19
(2,354)	1:697:B:ILE:HG23	1:700:B:ALA:HB2	2	0.19	0.02	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,354)	1:697:B:ILE:HG23	1:700:B:ALA:HB3	2	0.19	0.02	0.19
(2,191)	1:816:A:ASN:H	1:831:A:GLU:HG2	2	0.18	0.08	0.18
(2,191)	1:816:A:ASN:H	1:831:A:GLU:HG3	2	0.18	0.08	0.18
(2,192)	1:816:A:ASN:H	1:831:A:GLU:HG2	2	0.18	0.08	0.18
(2,192)	1:816:A:ASN:H	1:831:A:GLU:HG3	2	0.18	0.08	0.18
(1,55)	1:827:B:ASP:O	1:831:B:GLU:H	2	0.18	0.07	0.18
(1,141)	1:827:B:ASP:O	1:831:B:GLU:H	2	0.18	0.07	0.18
(1,227)	1:827:B:ASP:O	1:831:B:GLU:H	2	0.18	0.07	0.18
(2,557)	1:777:B:ILE:HD11	1:774:B:LEU:HA	2	0.18	0.03	0.18
(2,557)	1:777:B:ILE:HD12	1:774:B:LEU:HA	2	0.18	0.03	0.18
(2,557)	1:777:B:ILE:HD13	1:774:B:LEU:HA	2	0.18	0.03	0.18
(2,123)	1:785:A:LEU:HD21	1:747:B:ARG:HD2	2	0.18	0.03	0.18
(2,123)	1:785:A:LEU:HD21	1:747:B:ARG:HD3	2	0.18	0.03	0.18
(2,123)	1:785:A:LEU:HD22	1:747:B:ARG:HD2	2	0.18	0.03	0.18
(2,123)	1:785:A:LEU:HD22	1:747:B:ARG:HD3	2	0.18	0.03	0.18
(2,123)	1:785:A:LEU:HD23	1:747:B:ARG:HD2	2	0.18	0.03	0.18
(2,123)	1:785:A:LEU:HD23	1:747:B:ARG:HD3	2	0.18	0.03	0.18
(2,564)	1:778:B:VAL:HG21	1:775:B:LEU:HA	2	0.16	0.06	0.16
(2,564)	1:778:B:VAL:HG22	1:775:B:LEU:HA	2	0.16	0.06	0.16
(2,564)	1:778:B:VAL:HG23	1:775:B:LEU:HA	2	0.16	0.06	0.16
(2,506)	1:755:B:LEU:H	1:756:B:ILE:H	2	0.16	0.05	0.16
(2,688)	1:670:A:TRP:HE1	1:667:A:ALA:HB1	2	0.16	0.05	0.16
(2,688)	1:670:A:TRP:HE1	1:667:A:ALA:HB2	2	0.16	0.05	0.16
(2,688)	1:670:A:TRP:HE1	1:667:A:ALA:HB3	2	0.16	0.05	0.16
(2,773)	1:695:A:LEU:HD21	1:696:A:ARG:HH11	2	0.16	0.01	0.16
(2,773)	1:695:A:LEU:HD21	1:696:A:ARG:HH12	2	0.16	0.01	0.16
(2,773)	1:695:A:LEU:HD22	1:696:A:ARG:HH11	2	0.16	0.01	0.16
(2,773)	1:695:A:LEU:HD22	1:696:A:ARG:HH12	2	0.16	0.01	0.16
(2,773)	1:695:A:LEU:HD23	1:696:A:ARG:HH11	2	0.16	0.01	0.16
(2,773)	1:695:A:LEU:HD23	1:696:A:ARG:HH12	2	0.16	0.01	0.16
(2,1113)	1:670:A:TRP:HE1	1:667:A:ALA:HB1	2	0.16	0.05	0.16
(2,1113)	1:670:A:TRP:HE1	1:667:A:ALA:HB2	2	0.16	0.05	0.16
(2,1113)	1:670:A:TRP:HE1	1:667:A:ALA:HB3	2	0.16	0.05	0.16
(2,1198)	1:695:A:LEU:HD21	1:696:A:ARG:HH11	2	0.16	0.01	0.16
(2,1198)	1:695:A:LEU:HD21	1:696:A:ARG:HH12	2	0.16	0.01	0.16
(2,1198)	1:695:A:LEU:HD22	1:696:A:ARG:HH11	2	0.16	0.01	0.16
(2,1198)	1:695:A:LEU:HD22	1:696:A:ARG:HH12	2	0.16	0.01	0.16
(2,1198)	1:695:A:LEU:HD23	1:696:A:ARG:HH11	2	0.16	0.01	0.16
(2,1198)	1:695:A:LEU:HD23	1:696:A:ARG:HH12	2	0.16	0.01	0.16
(2,500)	1:754:B:ALA:HB1	1:758:B:ASP:H	2	0.16	0.02	0.16
(2,500)	1:754:B:ALA:HB2	1:758:B:ASP:H	2	0.16	0.02	0.16
(2,500)	1:754:B:ALA:HB3	1:758:B:ASP:H	2	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,509)	1:758:B:ASP:H	1:754:B:ALA:HB1	2	0.16	0.02	0.16
(2,509)	1:758:B:ASP:H	1:754:B:ALA:HB2	2	0.16	0.02	0.16
(2,509)	1:758:B:ASP:H	1:754:B:ALA:HB3	2	0.16	0.02	0.16
(2,326)	1:689:B:VAL:HG21	1:685:B:PHE:HD1	2	0.16	0.01	0.16
(2,326)	1:689:B:VAL:HG21	1:685:B:PHE:HD2	2	0.16	0.01	0.16
(2,326)	1:689:B:VAL:HG22	1:685:B:PHE:HD1	2	0.16	0.01	0.16
(2,326)	1:689:B:VAL:HG22	1:685:B:PHE:HD2	2	0.16	0.01	0.16
(2,326)	1:689:B:VAL:HG23	1:685:B:PHE:HD1	2	0.16	0.01	0.16
(2,326)	1:689:B:VAL:HG23	1:685:B:PHE:HD2	2	0.16	0.01	0.16
(2,372)	1:701:B:VAL:HG11	1:698:B:VAL:HA	2	0.16	0.01	0.16
(2,372)	1:701:B:VAL:HG12	1:698:B:VAL:HA	2	0.16	0.01	0.16
(2,372)	1:701:B:VAL:HG13	1:698:B:VAL:HA	2	0.16	0.01	0.16
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD11	2	0.16	0.02	0.16
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD12	2	0.16	0.02	0.16
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD13	2	0.16	0.02	0.16
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD21	2	0.16	0.02	0.16
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD22	2	0.16	0.02	0.16
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD23	2	0.16	0.02	0.16
(2,802)	1:702:A:LEU:HD11	1:699:A:PHE:HD1	2	0.16	0.01	0.16
(2,802)	1:702:A:LEU:HD11	1:699:A:PHE:HD2	2	0.16	0.01	0.16
(2,802)	1:702:A:LEU:HD12	1:699:A:PHE:HD1	2	0.16	0.01	0.16
(2,802)	1:702:A:LEU:HD12	1:699:A:PHE:HD2	2	0.16	0.01	0.16
(2,802)	1:702:A:LEU:HD13	1:699:A:PHE:HD1	2	0.16	0.01	0.16
(2,802)	1:702:A:LEU:HD13	1:699:A:PHE:HD2	2	0.16	0.01	0.16
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD11	2	0.16	0.05	0.16
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD12	2	0.16	0.05	0.16
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD13	2	0.16	0.05	0.16
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD21	2	0.16	0.05	0.16
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD22	2	0.16	0.05	0.16
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD23	2	0.16	0.05	0.16
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD11	2	0.16	0.02	0.16
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD12	2	0.16	0.02	0.16
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD13	2	0.16	0.02	0.16
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD21	2	0.16	0.02	0.16
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD22	2	0.16	0.02	0.16
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD23	2	0.16	0.02	0.16
(2,1227)	1:702:A:LEU:HD11	1:699:A:PHE:HD1	2	0.16	0.01	0.16
(2,1227)	1:702:A:LEU:HD11	1:699:A:PHE:HD2	2	0.16	0.01	0.16
(2,1227)	1:702:A:LEU:HD12	1:699:A:PHE:HD1	2	0.16	0.01	0.16
(2,1227)	1:702:A:LEU:HD12	1:699:A:PHE:HD2	2	0.16	0.01	0.16
(2,1227)	1:702:A:LEU:HD13	1:699:A:PHE:HD1	2	0.16	0.01	0.16
(2,1227)	1:702:A:LEU:HD13	1:699:A:PHE:HD2	2	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD11	2	0.16	0.05	0.16
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD12	2	0.16	0.05	0.16
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD13	2	0.16	0.05	0.16
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD21	2	0.16	0.05	0.16
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD22	2	0.16	0.05	0.16
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD23	2	0.16	0.05	0.16
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD11	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD12	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD13	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD21	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD22	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD23	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD11	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD12	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD13	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD21	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD22	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD23	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD11	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD12	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD13	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD21	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD22	2	0.15	0.02	0.15
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD23	2	0.15	0.02	0.15
(2,277)	1:676:B:THR:HG21	1:669:B:LEU:HA	2	0.15	0.02	0.15
(2,277)	1:676:B:THR:HG22	1:669:B:LEU:HA	2	0.15	0.02	0.15
(2,277)	1:676:B:THR:HG23	1:669:B:LEU:HA	2	0.15	0.02	0.15
(2,288)	1:679:B:LEU:HD11	1:678:B:TRP:HH2	2	0.15	0.02	0.15
(2,288)	1:679:B:LEU:HD12	1:678:B:TRP:HH2	2	0.15	0.02	0.15
(2,288)	1:679:B:LEU:HD13	1:678:B:TRP:HH2	2	0.15	0.02	0.15
(2,288)	1:679:B:LEU:HD21	1:678:B:TRP:HH2	2	0.15	0.02	0.15
(2,288)	1:679:B:LEU:HD22	1:678:B:TRP:HH2	2	0.15	0.02	0.15
(2,288)	1:679:B:LEU:HD23	1:678:B:TRP:HH2	2	0.15	0.02	0.15
(2,338)	1:693:B:ILE:HG21	1:693:B:ILE:H	2	0.15	0.02	0.15
(2,338)	1:693:B:ILE:HG22	1:693:B:ILE:H	2	0.15	0.02	0.15
(2,338)	1:693:B:ILE:HG23	1:693:B:ILE:H	2	0.15	0.02	0.15
(2,792)	1:700:A:ALA:HB1	1:697:A:ILE:HA	2	0.15	0.01	0.15
(2,792)	1:700:A:ALA:HB2	1:697:A:ILE:HA	2	0.15	0.01	0.15
(2,792)	1:700:A:ALA:HB3	1:697:A:ILE:HA	2	0.15	0.01	0.15
(2,1217)	1:700:A:ALA:HB1	1:697:A:ILE:HA	2	0.15	0.01	0.15
(2,1217)	1:700:A:ALA:HB2	1:697:A:ILE:HA	2	0.15	0.01	0.15
(2,1217)	1:700:A:ALA:HB3	1:697:A:ILE:HA	2	0.15	0.01	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,746)	1:687:A:ILE:HD11	1:684:A:ILE:HD11	2	0.15	0.04	0.15
(2,746)	1:687:A:ILE:HD11	1:684:A:ILE:HD12	2	0.15	0.04	0.15
(2,746)	1:687:A:ILE:HD11	1:684:A:ILE:HD13	2	0.15	0.04	0.15
(2,746)	1:687:A:ILE:HD12	1:684:A:ILE:HD11	2	0.15	0.04	0.15
(2,746)	1:687:A:ILE:HD12	1:684:A:ILE:HD12	2	0.15	0.04	0.15
(2,746)	1:687:A:ILE:HD12	1:684:A:ILE:HD13	2	0.15	0.04	0.15
(2,746)	1:687:A:ILE:HD13	1:684:A:ILE:HD11	2	0.15	0.04	0.15
(2,746)	1:687:A:ILE:HD13	1:684:A:ILE:HD12	2	0.15	0.04	0.15
(2,746)	1:687:A:ILE:HD13	1:684:A:ILE:HD13	2	0.15	0.04	0.15
(2,1171)	1:687:A:ILE:HD11	1:684:A:ILE:HD11	2	0.15	0.04	0.15
(2,1171)	1:687:A:ILE:HD11	1:684:A:ILE:HD12	2	0.15	0.04	0.15
(2,1171)	1:687:A:ILE:HD11	1:684:A:ILE:HD13	2	0.15	0.04	0.15
(2,1171)	1:687:A:ILE:HD12	1:684:A:ILE:HD11	2	0.15	0.04	0.15
(2,1171)	1:687:A:ILE:HD12	1:684:A:ILE:HD12	2	0.15	0.04	0.15
(2,1171)	1:687:A:ILE:HD12	1:684:A:ILE:HD13	2	0.15	0.04	0.15
(2,1171)	1:687:A:ILE:HD13	1:684:A:ILE:HD11	2	0.15	0.04	0.15
(2,1171)	1:687:A:ILE:HD13	1:684:A:ILE:HD12	2	0.15	0.04	0.15
(2,1171)	1:687:A:ILE:HD13	1:684:A:ILE:HD13	2	0.15	0.04	0.15
(2,763)	1:693:A:ILE:HG21	1:693:A:ILE:H	2	0.14	0.03	0.14
(2,763)	1:693:A:ILE:HG22	1:693:A:ILE:H	2	0.14	0.03	0.14
(2,763)	1:693:A:ILE:HG23	1:693:A:ILE:H	2	0.14	0.03	0.14
(2,1188)	1:693:A:ILE:HG21	1:693:A:ILE:H	2	0.14	0.03	0.14
(2,1188)	1:693:A:ILE:HG22	1:693:A:ILE:H	2	0.14	0.03	0.14
(2,1188)	1:693:A:ILE:HG23	1:693:A:ILE:H	2	0.14	0.03	0.14
(2,810)	1:704:A:LEU:H	1:701:A:VAL:HA	2	0.14	0.01	0.14
(2,1012)	1:783:A:GLU:H	1:780:A:ARG:HA	2	0.14	0.02	0.14
(2,1235)	1:704:A:LEU:H	1:701:A:VAL:HA	2	0.14	0.01	0.14
(2,1437)	1:783:A:GLU:H	1:780:A:ARG:HA	2	0.14	0.02	0.14
(1,53)	1:826:B:THR:O	1:830:B:ILE:H	2	0.14	0.02	0.14
(1,71)	1:835:B:GLY:O	1:839:B:ALA:H	2	0.14	0.02	0.14
(1,139)	1:826:B:THR:O	1:830:B:ILE:H	2	0.14	0.02	0.14
(1,157)	1:835:B:GLY:O	1:839:B:ALA:H	2	0.14	0.02	0.14
(1,225)	1:826:B:THR:O	1:830:B:ILE:H	2	0.14	0.02	0.14
(1,243)	1:835:B:GLY:O	1:839:B:ALA:H	2	0.14	0.02	0.14
(2,19)	1:678:B:TRP:HE1	1:683:A:ARG:HE	2	0.14	0.02	0.14
(2,516)	1:760:B:LEU:HD21	1:768:B:TYR:HE1	2	0.14	0.04	0.14
(2,516)	1:760:B:LEU:HD21	1:768:B:TYR:HE2	2	0.14	0.04	0.14
(2,516)	1:760:B:LEU:HD22	1:768:B:TYR:HE1	2	0.14	0.04	0.14
(2,516)	1:760:B:LEU:HD22	1:768:B:TYR:HE2	2	0.14	0.04	0.14
(2,516)	1:760:B:LEU:HD23	1:768:B:TYR:HE1	2	0.14	0.04	0.14
(2,516)	1:760:B:LEU:HD23	1:768:B:TYR:HE2	2	0.14	0.04	0.14
(2,743)	1:686:A:ILE:HD11	1:685:A:PHE:H	2	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,743)	1:686:A:ILE:HD12	1:685:A:PHE:H	2	0.14	0.02	0.14
(2,743)	1:686:A:ILE:HD13	1:685:A:PHE:H	2	0.14	0.02	0.14
(2,1168)	1:686:A:ILE:HD11	1:685:A:PHE:H	2	0.14	0.02	0.14
(2,1168)	1:686:A:ILE:HD12	1:685:A:PHE:H	2	0.14	0.02	0.14
(2,1168)	1:686:A:ILE:HD13	1:685:A:PHE:H	2	0.14	0.02	0.14
(1,41)	1:810:B:SER:O	1:814:B:LEU:H	2	0.13	0.01	0.13
(1,127)	1:810:B:SER:O	1:814:B:LEU:H	2	0.13	0.01	0.13
(1,213)	1:810:B:SER:O	1:814:B:LEU:H	2	0.13	0.01	0.13
(2,407)	1:706:B:ASN:H	1:703:B:SER:HA	2	0.13	0.01	0.13
(2,429)	1:708:B:VAL:HG21	1:707:B:ARG:HD2	2	0.13	0.02	0.13
(2,429)	1:708:B:VAL:HG21	1:707:B:ARG:HD3	2	0.13	0.02	0.13
(2,429)	1:708:B:VAL:HG22	1:707:B:ARG:HD2	2	0.13	0.02	0.13
(2,429)	1:708:B:VAL:HG22	1:707:B:ARG:HD3	2	0.13	0.02	0.13
(2,429)	1:708:B:VAL:HG23	1:707:B:ARG:HD2	2	0.13	0.02	0.13
(2,429)	1:708:B:VAL:HG23	1:707:B:ARG:HD3	2	0.13	0.02	0.13
(2,713)	1:679:A:LEU:HD11	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,713)	1:679:A:LEU:HD12	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,713)	1:679:A:LEU:HD13	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,713)	1:679:A:LEU:HD21	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,713)	1:679:A:LEU:HD22	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,713)	1:679:A:LEU:HD23	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,1138)	1:679:A:LEU:HD11	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,1138)	1:679:A:LEU:HD12	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,1138)	1:679:A:LEU:HD13	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,1138)	1:679:A:LEU:HD21	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,1138)	1:679:A:LEU:HD22	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,1138)	1:679:A:LEU:HD23	1:678:A:TRP:HH2	2	0.13	0.02	0.13
(2,301)	1:684:B:ILE:HD11	1:681:B:TYR:HA	2	0.12	0.02	0.12
(2,301)	1:684:B:ILE:HD12	1:681:B:TYR:HA	2	0.12	0.02	0.12
(2,301)	1:684:B:ILE:HD13	1:681:B:TYR:HA	2	0.12	0.02	0.12
(2,358)	1:698:B:VAL:HG11	1:702:B:LEU:HB2	2	0.12	0.01	0.12
(2,358)	1:698:B:VAL:HG11	1:702:B:LEU:HB3	2	0.12	0.01	0.12
(2,358)	1:698:B:VAL:HG12	1:702:B:LEU:HB2	2	0.12	0.01	0.12
(2,358)	1:698:B:VAL:HG12	1:702:B:LEU:HB3	2	0.12	0.01	0.12
(2,358)	1:698:B:VAL:HG13	1:702:B:LEU:HB2	2	0.12	0.01	0.12
(2,358)	1:698:B:VAL:HG13	1:702:B:LEU:HB3	2	0.12	0.01	0.12
(1,15)	1:797:B:TRP:O	1:801:B:GLN:H	2	0.12	0.0	0.12
(1,101)	1:797:B:TRP:O	1:801:B:GLN:H	2	0.12	0.0	0.12
(1,187)	1:797:B:TRP:O	1:801:B:GLN:H	2	0.12	0.0	0.12
(2,304)	1:684:B:ILE:HG21	1:685:B:PHE:HB2	2	0.12	0.01	0.12
(2,304)	1:684:B:ILE:HG21	1:685:B:PHE:HB3	2	0.12	0.01	0.12
(2,304)	1:684:B:ILE:HG22	1:685:B:PHE:HB2	2	0.12	0.01	0.12

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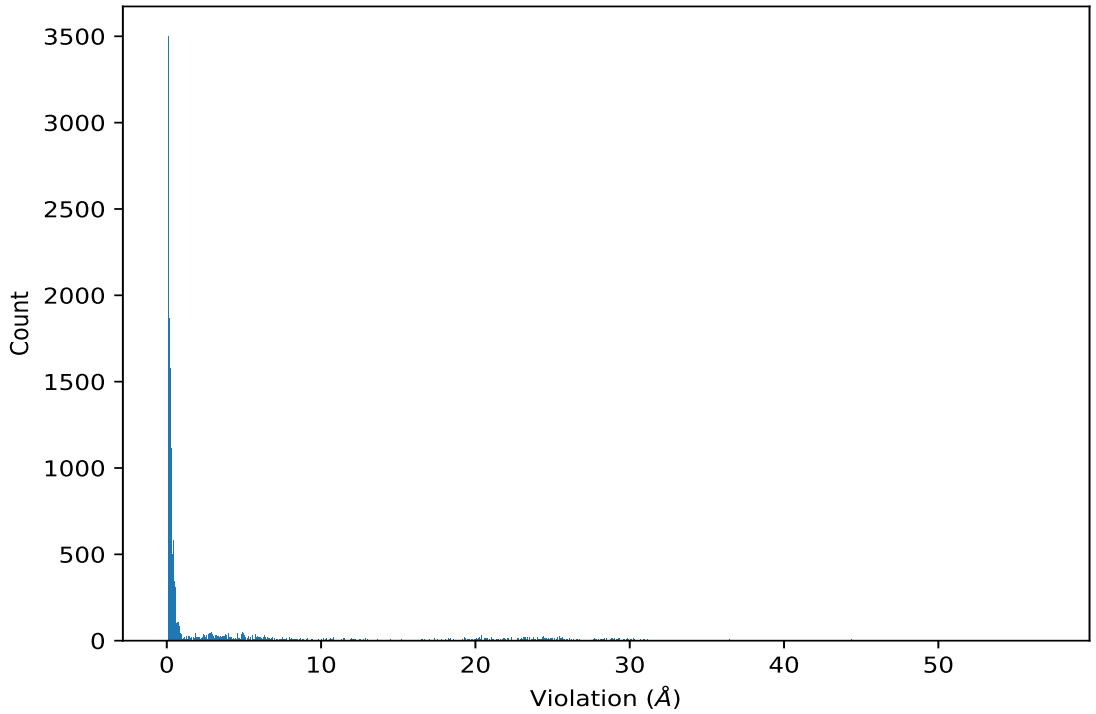
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,304)	1:684:B:ILE:HG22	1:685:B:PHE:HB3	2	0.12	0.01	0.12
(2,304)	1:684:B:ILE:HG23	1:685:B:PHE:HB2	2	0.12	0.01	0.12
(2,304)	1:684:B:ILE:HG23	1:685:B:PHE:HB3	2	0.12	0.01	0.12
(2,747)	1:687:A:ILE:HG21	1:691:A:SER:HG	2	0.12	0.02	0.12
(2,747)	1:687:A:ILE:HG22	1:691:A:SER:HG	2	0.12	0.02	0.12
(2,747)	1:687:A:ILE:HG23	1:691:A:SER:HG	2	0.12	0.02	0.12
(2,1172)	1:687:A:ILE:HG21	1:691:A:SER:HG	2	0.12	0.02	0.12
(2,1172)	1:687:A:ILE:HG22	1:691:A:SER:HG	2	0.12	0.02	0.12
(2,1172)	1:687:A:ILE:HG23	1:691:A:SER:HG	2	0.12	0.02	0.12
(1,67)	1:833:B:VAL:O	1:837:B:SER:H	2	0.12	0.0	0.12
(1,153)	1:833:B:VAL:O	1:837:B:SER:H	2	0.12	0.0	0.12
(1,239)	1:833:B:VAL:O	1:837:B:SER:H	2	0.12	0.0	0.12
(2,324)	1:688:B:ILE:HG21	1:692:B:LEU:HG	2	0.12	0.0	0.12
(2,324)	1:688:B:ILE:HG22	1:692:B:LEU:HG	2	0.12	0.0	0.12
(2,324)	1:688:B:ILE:HG23	1:692:B:LEU:HG	2	0.12	0.0	0.12
(2,717)	1:681:A:TYR:H	1:682:A:ILE:H	2	0.11	0.0	0.11
(2,1142)	1:681:A:TYR:H	1:682:A:ILE:H	2	0.11	0.0	0.11
(2,263)	1:670:B:TRP:HE1	1:667:B:ALA:HB1	2	0.11	0.0	0.11
(2,263)	1:670:B:TRP:HE1	1:667:B:ALA:HB2	2	0.11	0.0	0.11
(2,263)	1:670:B:TRP:HE1	1:667:B:ALA:HB3	2	0.11	0.0	0.11
(2,776)	1:696:A:ARG:H	1:696:A:ARG:HE	2	0.1	0.0	0.1
(2,1201)	1:696:A:ARG:H	1:696:A:ARG:HE	2	0.1	0.0	0.1

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	1	56.95
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	4	56.86
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	8	56.35
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	15	56.0
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	5	55.88
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	10	55.73
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	6	55.56
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	12	55.54
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	3	55.51
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	13	55.28
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	14	54.55
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	7	54.51
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	11	54.48
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	2	54.31
(2,181)	1:806:B:GLU:H	1:772:A:ARG:HE	9	53.78
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	3	52.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	1	52.01
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	12	51.93
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	5	51.89
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	1	51.85
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	13	51.72
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	4	51.44
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	8	51.4
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	4	51.37
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	2	51.28
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	12	51.23
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	3	51.01
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	6	50.82
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	15	50.73
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	14	50.68
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	14	50.41
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	9	50.4
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	15	50.36
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	11	50.32
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	6	50.29
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	8	50.16
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	5	50.07
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	7	50.04
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	10	50.0
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	13	49.87
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	10	49.81
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	7	49.73
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	2	49.41
(2,178)	1:806:B:GLU:H	1:771:A:LEU:HG	11	49.28
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	1	49.11
(2,182)	1:806:A:GLU:H	1:772:A:ARG:HE	9	48.77
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	4	48.35
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	2	48.27
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	14	48.24
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	5	48.2
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	3	47.82
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	9	47.61
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	12	47.6
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	6	47.56
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	15	47.47
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	11	47.36
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	10	47.35
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	8	47.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	7	47.22
(2,179)	1:806:A:GLU:H	1:771:A:LEU:HG	13	46.85
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	8	45.51
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	8	45.51
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	3	44.99
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	3	44.99
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	14	44.82
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	14	44.82
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	1	44.78
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	1	44.78
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	2	44.52
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	2	44.52
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	12	44.48
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	12	44.48
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	4	44.39
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	4	44.39
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	13	44.38
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	13	44.38
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	6	44.35
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	6	44.35
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	7	44.14
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	7	44.14
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	9	44.05
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	9	44.05
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	15	44.02
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	15	44.02
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	10	43.72
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	10	43.72
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	5	43.52
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	5	43.52
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB2	11	42.99
(2,140)	1:771:A:LEU:H	1:806:B:GLU:HB3	11	42.99
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	14	42.7
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	14	42.7
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	1	42.29
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	1	42.29
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	12	42.15
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	12	42.15
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	2	41.98
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	13	41.97
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	8	41.96
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	8	41.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	8	41.95
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	2	41.89
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	2	41.89
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	4	41.83
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	4	41.83
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	12	41.64
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	5	41.58
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	5	41.58
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	3	41.55
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	3	41.55
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	9	41.53
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	9	41.53
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	3	41.38
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	9	41.25
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	14	41.15
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	10	41.15
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	10	41.15
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	6	41.1
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	6	41.1
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	7	41.09
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	7	41.09
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	13	40.91
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	13	40.91
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	15	40.84
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	15	40.84
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	4	40.8
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB2	11	40.79
(2,139)	1:771:A:LEU:H	1:806:A:GLU:HB3	11	40.79
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	6	40.59
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	7	40.51
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	1	40.5
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	10	40.41
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	5	40.34
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	15	39.42
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	7	39.33
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	14	39.0
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	9	38.98
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	8	38.36
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	1	38.01
(2,175)	1:803:B:TRP:HE1	1:764:A:SER:HG	11	37.96
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	3	37.93
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	12	37.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	2	37.76
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	5	37.65
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	6	37.34
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	4	37.24
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	13	37.2
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	4	37.09
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	4	37.09
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	8	36.59
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	8	36.59
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	7	36.56
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	7	36.56
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	11	36.47
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	10	36.45
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	12	36.45
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	12	36.45
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	13	36.45
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	13	36.45
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	9	36.23
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	9	36.23
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	14	36.12
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	14	36.12
(2,176)	1:803:A:TRP:HE1	1:764:A:SER:HG	15	36.06
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	3	35.98
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	3	35.98
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	2	35.87
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	2	35.87
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	6	35.6
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	6	35.6
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	15	35.35
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	15	35.35
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	1	35.34
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	1	35.34
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	10	35.18
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	10	35.18
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	5	35.12
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	5	35.12
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB2	11	34.76
(2,172)	1:803:B:TRP:HE1	1:764:A:SER:HB3	11	34.76
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	7	34.36
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	7	34.36
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	14	33.55
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	14	33.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	9	33.51
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	9	33.51
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	1	33.09
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	1	33.09
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	14	32.85
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	11	32.72
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	4	32.64
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	4	32.64
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	8	32.58
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	8	32.58
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	3	32.46
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	3	32.46
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	12	32.46
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	6	32.43
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	6	32.43
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	12	32.35
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	12	32.35
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	6	32.31
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	2	32.2
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	5	32.13
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	5	32.13
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	2	32.08
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	2	32.08
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	11	32.08
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	11	32.08
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	13	31.83
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	13	31.83
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	1	31.82
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	9	31.8
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	10	31.69
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	10	31.69
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	4	31.67
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	9	31.64
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	5	31.61
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	8	31.53
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	8	31.53
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	4	31.53
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	10	31.48
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	10	31.48
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	10	31.45
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	10	31.45
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	3	31.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	13	31.41
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	10	31.37
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	10	31.37
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	2	31.36
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	13	31.28
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	13	31.28
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	10	31.26
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	8	31.24
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	7	31.23
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	3	31.22
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	3	31.22
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	3	31.22
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB2	15	31.2
(2,173)	1:803:A:TRP:HE1	1:764:A:SER:HB3	15	31.2
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	11	31.19
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	11	31.19
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	11	31.19
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	11	31.19
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	5	31.17
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	5	31.17
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	11	31.14
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	11	31.14
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	12	31.14
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	13	31.05
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	13	31.05
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	8	31.01
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	8	31.01
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	7	31.01
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	15	30.99
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	8	30.98
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	8	30.98
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	14	30.97
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	14	30.97
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	5	30.95
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	5	30.95
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	5	30.92
(2,133)	1:756:A:ILE:H	1:796:A:TRP:HE1	13	30.92
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	1	30.91
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	1	30.91
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	9	30.91
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	9	30.91
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	1	30.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	1	30.89
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	9	30.88
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	9	30.88
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	3	30.86
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	3	30.86
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	10	30.86
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	2	30.85
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	2	30.85
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	14	30.85
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	14	30.85
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	2	30.82
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	2	30.82
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	2	30.82
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	2	30.82
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	15	30.79
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	15	30.79
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	14	30.75
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	14	30.75
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	9	30.71
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	9	30.71
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	4	30.7
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	4	30.7
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	12	30.66
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	12	30.66
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	14	30.66
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	14	30.66
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	6	30.6
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	6	30.6
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	14	30.55
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	12	30.54
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	12	30.54
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	3	30.54
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	3	30.54
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	2	30.46
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	2	30.46
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	15	30.45
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	15	30.45
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	1	30.44
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	12	30.42
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	12	30.42
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	15	30.37
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	15	30.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	6	30.35
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	6	30.35
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	12	30.33
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	12	30.33
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	1	30.33
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	1	30.33
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	9	30.32
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	9	30.32
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	13	30.32
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	13	30.32
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	4	30.28
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	4	30.28
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	5	30.28
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	5	30.28
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	8	30.28
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	8	30.28
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	8	30.28
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	13	30.27
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	13	30.27
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	13	30.27
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	6	30.24
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	6	30.24
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	15	30.23
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	15	30.23
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	15	30.23
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	12	30.22
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	12	30.22
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	7	30.22
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	7	30.22
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	7	30.22
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	4	30.21
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	4	30.21
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	6	30.21
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	6	30.21
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	15	30.17
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	3	30.15
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	3	30.15
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	3	30.15
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	3	30.15
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	3	30.15
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	13	30.12
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	13	30.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	6	30.09
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	6	30.09
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	9	30.09
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	9	30.09
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG12	7	30.06
(2,146)	1:782:A:VAL:H	1:746:A:ILE:HG13	7	30.06
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	7	30.04
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	7	30.04
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	6	30.04
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	6	30.04
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	6	30.04
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	6	30.04
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	5	30.01
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	5	30.01
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	13	29.96
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	13	29.96
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	1	29.93
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	1	29.93
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	5	29.92
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	5	29.92
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	2	29.91
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	2	29.91
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	8	29.89
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	8	29.89
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	8	29.88
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	4	29.87
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	4	29.87
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	8	29.85
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	8	29.85
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	7	29.84
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	7	29.84
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	15	29.84
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	15	29.84
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	11	29.84
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	11	29.84
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	10	29.84
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	10	29.84
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	10	29.84
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	13	29.83
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	13	29.83
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	7	29.82
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	7	29.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	2	29.8
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	2	29.8
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	4	29.8
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	4	29.8
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG12	7	29.78
(2,143)	1:781:A:ILE:H	1:746:A:ILE:HG13	7	29.78
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	7	29.78
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	7	29.78
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB2	15	29.75
(2,152)	1:792:A:ALA:H	1:752:A:SER:HB3	15	29.75
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	3	29.75
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	3	29.75
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	2	29.73
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	2	29.73
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	3	29.69
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	3	29.69
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	5	29.68
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	5	29.68
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	11	29.67
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	11	29.67
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	1	29.65
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	1	29.65
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	14	29.64
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	14	29.64
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	10	29.6
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	10	29.6
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	4	29.58
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	4	29.58
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	12	29.55
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	12	29.55
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	12	29.55
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	5	29.49
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	5	29.49
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	5	29.49
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	4	29.46
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	4	29.46
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	9	29.43
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	9	29.43
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	15	29.42
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	15	29.42
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	10	29.39
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	10	29.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	2	29.35
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	2	29.35
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	2	29.35
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	10	29.34
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	10	29.34
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	14	29.34
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	14	29.34
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	8	29.33
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	8	29.33
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	11	29.32
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	11	29.32
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	6	29.32
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	6	29.32
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	10	29.3
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	10	29.3
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	10	29.3
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	12	29.28
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	12	29.28
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	11	29.26
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	11	29.26
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	7	29.26
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	7	29.26
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	7	29.26
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	7	29.26
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	10	29.25
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	10	29.25
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	1	29.25
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	1	29.25
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	1	29.25
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	4	29.24
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	4	29.24
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	12	29.23
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	12	29.23
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD2	11	29.21
(2,137)	1:756:A:ILE:H	1:794:B:LYS:HD3	11	29.21
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	12	29.21
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	12	29.21
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	11	29.21
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	11	29.21
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	11	29.21
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	5	29.2
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	5	29.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	2	29.18
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	2	29.18
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	14	29.17
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	14	29.17
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	14	29.17
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	8	29.08
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	8	29.08
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	8	29.08
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	9	29.04
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	9	29.04
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	1	29.04
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	1	29.04
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	9	29.03
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	9	29.03
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	9	29.03
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	15	29.02
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	15	29.02
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	13	29.0
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	13	29.0
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	13	29.0
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	4	29.0
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	4	29.0
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	4	29.0
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	14	28.98
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	14	28.98
(2,134)	1:756:A:ILE:H	1:796:B:TRP:HE1	11	28.98
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	14	28.97
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	14	28.97
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	6	28.96
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	6	28.96
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	4	28.95
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	4	28.95
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	9	28.91
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	9	28.91
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	11	28.9
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	11	28.9
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	1	28.87
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	1	28.87
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	3	28.87
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	3	28.87
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	3	28.87
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	9	28.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	9	28.85
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	6	28.85
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	6	28.85
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	13	28.85
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	13	28.85
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG21	11	28.85
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG22	11	28.85
(2,109)	1:781:B:ILE:H	1:746:A:ILE:HG23	11	28.85
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	2	28.84
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	2	28.84
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	1	28.83
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	1	28.83
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	1	28.83
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	12	28.82
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	12	28.82
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	3	28.81
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	3	28.81
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB2	8	28.8
(2,151)	1:792:B:ALA:H	1:752:A:SER:HB3	8	28.8
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	13	28.8
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	13	28.8
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	1	28.79
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	1	28.79
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	5	28.78
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	5	28.78
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	13	28.77
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	13	28.77
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	4	28.76
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	4	28.76
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	2	28.75
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	2	28.75
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	14	28.73
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	14	28.73
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	10	28.72
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	10	28.72
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	10	28.72
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	15	28.72
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	15	28.72
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	5	28.71
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	5	28.71
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	14	28.68
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	14	28.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	14	28.68
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG12	1	28.63
(2,144)	1:781:B:ILE:H	1:746:A:ILE:HG13	1	28.63
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	2	28.61
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	2	28.61
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	14	28.58
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	14	28.58
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	15	28.55
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	15	28.55
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	3	28.53
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	3	28.53
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	2	28.53
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	2	28.53
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	2	28.53
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	1	28.51
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	1	28.51
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	1	28.47
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	1	28.47
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	3	28.47
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	3	28.47
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	7	28.46
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	7	28.46
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	15	28.46
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	15	28.46
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	12	28.46
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	12	28.46
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	12	28.46
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	12	28.46
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	12	28.46
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	3	28.41
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	3	28.41
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	15	28.41
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	15	28.41
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	15	28.41
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	2	28.4
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	2	28.4
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	9	28.39
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	9	28.39
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	8	28.36
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	8	28.36
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	3	28.35
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	3	28.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	12	28.35
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	12	28.35
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	7	28.35
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	7	28.35
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	8	28.34
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	8	28.34
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	8	28.34
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	12	28.33
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	12	28.33
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	4	28.32
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	4	28.32
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	6	28.31
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	6	28.31
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	6	28.31
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	8	28.28
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	8	28.28
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	15	28.27
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	15	28.27
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	6	28.27
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	6	28.27
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	11	28.25
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	11	28.25
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	9	28.24
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	9	28.24
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	9	28.24
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	3	28.24
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	3	28.24
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	6	28.23
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	6	28.23
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	8	28.2
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	8	28.2
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	10	28.19
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	10	28.19
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	1	28.18
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	1	28.18
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	6	28.18
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	6	28.18
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	7	28.17
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	7	28.17
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	7	28.17
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	5	28.13
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	5	28.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	14	28.13
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	14	28.13
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	13	28.12
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	13	28.12
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	14	28.11
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	14	28.11
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	14	28.11
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	6	28.1
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	6	28.1
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	13	28.0
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	13	28.0
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	15	28.0
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	15	28.0
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	15	28.0
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	6	27.99
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	6	27.99
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	6	27.99
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	4	27.99
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	4	27.99
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	4	27.99
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD2	10	27.93
(2,136)	1:756:A:ILE:H	1:794:A:LYS:HD3	10	27.93
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD2	5	27.87
(2,103)	1:763:B:LEU:H	1:742:A:ARG:HD3	5	27.87
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	14	27.84
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	14	27.84
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG21	5	27.83
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG22	5	27.83
(2,110)	1:781:A:ILE:H	1:746:A:ILE:HG23	5	27.83
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	7	27.8
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	7	27.8
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	6	27.79
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	6	27.79
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	11	27.79
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	11	27.79
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	11	27.79
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	10	27.76
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	10	27.76
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	9	27.76
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	9	27.76
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	3	27.74
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	3	27.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	11	27.73
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	11	27.73
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	11	27.73
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	11	27.73
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	4	27.73
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	4	27.73
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	4	27.73
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	4	27.72
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	4	27.72
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	8	27.71
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	8	27.71
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	2	27.69
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	2	27.69
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	2	27.69
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	8	27.69
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	8	27.69
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	8	27.69
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	9	27.65
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	9	27.65
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	5	27.62
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	5	27.62
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	4	27.61
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	4	27.61
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	8	27.6
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	8	27.6
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB2	11	27.59
(2,128)	1:756:A:ILE:H	1:795:B:TYR:HB3	11	27.59
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	2	27.55
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	2	27.55
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	1	27.53
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	1	27.53
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	7	27.51
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	7	27.51
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	12	27.42
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	12	27.42
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	12	27.42
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	12	27.38
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	12	27.38
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	10	27.38
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	10	27.38
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	10	27.38
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	15	27.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	15	27.26
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	13	27.24
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	13	27.24
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	13	27.24
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	10	27.22
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	10	27.22
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB2	13	27.19
(2,127)	1:756:A:ILE:H	1:795:A:TYR:HB3	13	27.19
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	6	27.16
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	6	27.16
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	6	27.16
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	9	27.14
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	9	27.14
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG12	14	27.12
(2,145)	1:782:B:VAL:H	1:746:A:ILE:HG13	14	27.12
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	8	27.07
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	8	27.07
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	3	27.04
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	3	27.04
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	3	27.04
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	7	26.99
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	7	26.99
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	5	26.87
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	5	26.87
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD1	10	26.86
(2,131)	1:756:A:ILE:H	1:795:B:TYR:HD2	10	26.86
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	9	26.78
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	9	26.78
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	9	26.78
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	10	26.74
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	10	26.74
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	15	26.72
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	15	26.72
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	15	26.72
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	15	26.71
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	15	26.71
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	15	26.71
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	14	26.7
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	14	26.7
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	14	26.7
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	9	26.65
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	9	26.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	9	26.65
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	12	26.65
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	12	26.65
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	12	26.65
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	15	26.59
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	15	26.59
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	7	26.59
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	7	26.59
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	7	26.59
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	7	26.58
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	7	26.58
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	7	26.58
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	11	26.56
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	11	26.56
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	11	26.56
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD1	13	26.48
(2,130)	1:756:A:ILE:H	1:795:A:TYR:HD2	13	26.48
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	10	26.43
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	10	26.43
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	10	26.43
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	11	26.4
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	11	26.4
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	11	26.4
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	11	26.4
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	11	26.4
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	11	26.4
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	1	26.38
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	1	26.38
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	1	26.38
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	2	26.33
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	2	26.33
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	2	26.33
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	13	26.23
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	13	26.23
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	13	26.23
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	8	26.21
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	8	26.21
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	8	26.21
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	8	26.21
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	8	26.21
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	8	26.21
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	3	26.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	3	26.09
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	3	26.09
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	8	26.07
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	8	26.07
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	8	26.07
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	8	26.07
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	8	26.07
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	8	26.07
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	14	26.06
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	14	26.06
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	14	26.06
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	2	26.02
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	2	26.02
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	2	26.02
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	5	25.99
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	5	25.99
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	5	25.99
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	10	25.98
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	10	25.98
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	10	25.98
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	10	25.98
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	10	25.98
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	10	25.98
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	12	25.93
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	12	25.93
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	12	25.93
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	5	25.93
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	5	25.93
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	5	25.93
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	5	25.89
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	5	25.89
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	5	25.89
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	3	25.79
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	3	25.79
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	3	25.79
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	3	25.77
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	3	25.77
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	3	25.77
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	3	25.77
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	3	25.77
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	3	25.77
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	10	25.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	10	25.71
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	10	25.71
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	10	25.71
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	10	25.71
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	10	25.71
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	13	25.7
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	13	25.7
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	13	25.7
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	13	25.7
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	13	25.7
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	13	25.7
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	1	25.69
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	1	25.69
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	1	25.69
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	4	25.68
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	4	25.68
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	15	25.66
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	15	25.66
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	15	25.66
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	15	25.66
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	15	25.66
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	15	25.66
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	13	25.66
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	13	25.66
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	13	25.66
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	1	25.65
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	1	25.65
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	1	25.65
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	1	25.65
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	1	25.65
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	1	25.65
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	7	25.65
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	7	25.65
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	7	25.65
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	7	25.65
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	7	25.65
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	7	25.65
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	8	25.62
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	8	25.62
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	8	25.62
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	4	25.58
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	4	25.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	4	25.58
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	4	25.58
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	4	25.58
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	4	25.58
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	9	25.57
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	9	25.57
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	9	25.57
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	1	25.57
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	1	25.57
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	1	25.57
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	15	25.55
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	15	25.55
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	15	25.55
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	11	25.53
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	11	25.53
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	11	25.53
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	11	25.53
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	11	25.53
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	11	25.53
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	9	25.52
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	9	25.52
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	9	25.52
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	9	25.52
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	9	25.52
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	9	25.52
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	11	25.51
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	11	25.51
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	11	25.51
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	12	25.49
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	12	25.49
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	12	25.49
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	12	25.49
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	12	25.49
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	12	25.49
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	6	25.49
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	6	25.49
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	6	25.49
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	6	25.49
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	6	25.49
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	6	25.49
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	2	25.47
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	2	25.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	2	25.47
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	2	25.47
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	2	25.47
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	2	25.47
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	5	25.46
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	5	25.46
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	5	25.46
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	5	25.46
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	5	25.46
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	5	25.46
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	12	25.42
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	12	25.42
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	12	25.42
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	12	25.42
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	12	25.42
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	12	25.42
(2,113)	1:781:A:ILE:HD11	1:743:A:ASP:HA	7	25.38
(2,113)	1:781:A:ILE:HD12	1:743:A:ASP:HA	7	25.38
(2,113)	1:781:A:ILE:HD13	1:743:A:ASP:HA	7	25.38
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	13	25.34
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	13	25.34
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	13	25.34
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	13	25.34
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	13	25.34
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	13	25.34
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	7	25.32
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	7	25.32
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	7	25.32
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	10	25.31
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	10	25.31
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	10	25.31
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	10	25.31
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	10	25.31
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	10	25.31
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	5	25.3
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	5	25.3
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	5	25.3
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	14	25.3
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	14	25.3
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	14	25.3
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	8	25.29
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	8	25.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	8	25.29
(2,125)	1:785:A:LEU:HD21	1:749:A:VAL:HB	4	25.26
(2,125)	1:785:A:LEU:HD22	1:749:A:VAL:HB	4	25.26
(2,125)	1:785:A:LEU:HD23	1:749:A:VAL:HB	4	25.26
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	9	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	9	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	9	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	9	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	9	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	9	25.15
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	6	25.13
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	6	25.13
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	6	25.13
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	6	25.13
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	6	25.13
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	6	25.13
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	4	25.01
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	4	25.01
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	4	25.01
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	9	25.01
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	9	25.01
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	9	25.01
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	9	25.01
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	9	25.01
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	9	25.01
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	7	24.99
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	7	24.99
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	7	24.99
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	7	24.99
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	7	24.99
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	7	24.99
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	6	24.99
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	6	24.99
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	6	24.99
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	11	24.97
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	11	24.97
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	11	24.97
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	3	24.93
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	3	24.93
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	3	24.93
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	3	24.93
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	3	24.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	3	24.93
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	9	24.92
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	9	24.92
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	9	24.92
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	3	24.92
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	3	24.92
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	3	24.92
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	3	24.92
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	3	24.92
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	3	24.92
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	5	24.89
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	5	24.89
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	5	24.89
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	5	24.89
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	5	24.89
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	5	24.89
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	10	24.89
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	10	24.89
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	10	24.89
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	9	24.89
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	9	24.89
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	9	24.89
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	8	24.89
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	8	24.89
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	4	24.87
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	4	24.87
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	4	24.87
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	4	24.82
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	4	24.82
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	4	24.82
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	4	24.82
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	4	24.82
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	4	24.82
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	11	24.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	11	24.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	11	24.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	11	24.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	11	24.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	11	24.78
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	14	24.74
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	14	24.74
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	14	24.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	14	24.74
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	14	24.74
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	14	24.74
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	2	24.71
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	2	24.71
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	2	24.71
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	2	24.71
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	2	24.71
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	2	24.71
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	13	24.7
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	13	24.7
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	13	24.7
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	1	24.67
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	1	24.67
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	1	24.67
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	14	24.65
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	14	24.65
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	14	24.65
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	14	24.65
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	14	24.65
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	14	24.65
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	6	24.64
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	6	24.64
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	6	24.64
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	6	24.64
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	6	24.64
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	6	24.64
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	1	24.64
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	1	24.64
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	13	24.62
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	13	24.62
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	13	24.62
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	15	24.53
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	15	24.53
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	15	24.53
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	15	24.53
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	15	24.53
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	15	24.53
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	8	24.51
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	8	24.51
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	8	24.51
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	8	24.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	8	24.51
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	8	24.51
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	14	24.49
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	14	24.49
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	14	24.49
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	10	24.49
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	10	24.49
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	2	24.46
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	2	24.46
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	2	24.46
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	6	24.46
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	6	24.46
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	6	24.46
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	9	24.46
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	9	24.46
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	6	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	6	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	6	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	6	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	6	24.45
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	6	24.45
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	13	24.45
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	13	24.45
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	2	24.44
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	2	24.44
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	2	24.44
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	2	24.44
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	2	24.44
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	2	24.44
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	5	24.43
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	5	24.43
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	5	24.43
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	5	24.43
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	5	24.43
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	5	24.43
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	13	24.41
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	13	24.41
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	13	24.41
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	13	24.41
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	13	24.41
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	13	24.41
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	12	24.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	12	24.39
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	12	24.39
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	12	24.39
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	12	24.39
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	12	24.39
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	7	24.39
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	7	24.39
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	15	24.36
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	15	24.36
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	15	24.36
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	15	24.36
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	15	24.36
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	15	24.36
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	14	24.36
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	14	24.36
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	14	24.36
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	14	24.36
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	14	24.36
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	14	24.36
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	1	24.33
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	1	24.33
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	1	24.33
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	7	24.32
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	7	24.32
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	7	24.32
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	3	24.32
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	3	24.32
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	3	24.32
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	11	24.31
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	11	24.31
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD11	1	24.26
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD12	1	24.26
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD13	1	24.26
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD21	1	24.26
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD22	1	24.26
(2,155)	1:792:A:ALA:H	1:753:A:LEU:HD23	1	24.26
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	12	24.23
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	12	24.23
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	7	24.21
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	7	24.21
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	7	24.21
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	7	24.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	7	24.21
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	7	24.21
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	3	24.21
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	3	24.21
(2,124)	1:785:B:LEU:HD21	1:749:A:VAL:HB	4	24.19
(2,124)	1:785:B:LEU:HD22	1:749:A:VAL:HB	4	24.19
(2,124)	1:785:B:LEU:HD23	1:749:A:VAL:HB	4	24.19
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	1	24.18
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	1	24.18
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	1	24.18
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	1	24.18
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	1	24.18
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	1	24.18
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	14	24.1
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	14	24.1
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	4	24.08
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	4	24.08
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	4	24.08
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	4	24.08
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	4	24.08
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	4	24.08
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	2	24.08
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	2	24.08
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	11	24.06
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	11	24.06
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	1	24.04
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	1	24.04
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	1	24.04
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	11	24.03
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	11	24.03
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	11	24.03
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	10	24.03
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	10	24.03
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	10	24.03
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	10	24.03
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	10	24.03
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	10	24.03
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD2	2	24.03
(2,107)	1:777:A:ILE:HD11	1:742:A:ARG:HD3	2	24.03
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD2	2	24.03
(2,107)	1:777:A:ILE:HD12	1:742:A:ARG:HD3	2	24.03
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD2	2	24.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:777:A:ILE:HD13	1:742:A:ARG:HD3	2	24.03
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	2	23.98
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	2	23.98
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	2	23.98
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	15	23.89
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	15	23.89
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	15	23.89
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	15	23.89
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	15	23.89
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	15	23.89
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	5	23.86
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	5	23.86
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	11	23.81
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	11	23.81
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	11	23.81
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	11	23.81
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	11	23.81
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	11	23.81
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD11	4	23.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD12	4	23.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD13	4	23.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD21	4	23.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD22	4	23.78
(2,154)	1:792:B:ALA:H	1:753:A:LEU:HD23	4	23.78
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	7	23.76
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	7	23.76
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	7	23.76
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	7	23.76
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	7	23.76
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	7	23.76
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	10	23.75
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	10	23.75
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	10	23.75
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	10	23.75
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	10	23.75
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	10	23.75
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	6	23.74
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	6	23.74
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	6	23.74
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	2	23.72
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	2	23.72
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	2	23.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	2	23.72
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	2	23.72
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	2	23.72
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	15	23.72
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	15	23.72
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	2	23.66
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	2	23.66
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	2	23.66
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	5	23.62
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	5	23.62
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	15	23.61
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	15	23.61
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	15	23.61
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	15	23.61
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	15	23.61
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	15	23.61
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	5	23.57
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	5	23.57
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	5	23.57
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	15	23.57
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	15	23.57
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	4	23.51
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	4	23.51
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	4	23.51
(2,112)	1:781:B:ILE:HD11	1:743:A:ASP:HA	12	23.5
(2,112)	1:781:B:ILE:HD12	1:743:A:ASP:HA	12	23.5
(2,112)	1:781:B:ILE:HD13	1:743:A:ASP:HA	12	23.5
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	1	23.5
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	1	23.5
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	1	23.5
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	1	23.5
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	1	23.5
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	1	23.5
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	7	23.5
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	7	23.5
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	7	23.5
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	7	23.5
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	7	23.5
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	7	23.5
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	8	23.49
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	8	23.49
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	8	23.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	8	23.49
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	8	23.49
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	8	23.49
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	3	23.48
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	3	23.48
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	3	23.48
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	3	23.48
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	3	23.48
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	3	23.48
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	6	23.46
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	6	23.46
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	6	23.46
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	6	23.46
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	6	23.46
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	6	23.46
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD2	6	23.45
(2,104)	1:763:A:LEU:H	1:742:A:ARG:HD3	6	23.45
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	3	23.43
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	3	23.43
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	3	23.43
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	9	23.4
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	9	23.4
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	9	23.4
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	9	23.4
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	9	23.4
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	9	23.4
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	14	23.39
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	14	23.39
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	14	23.39
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	11	23.38
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	11	23.38
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	11	23.38
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	11	23.38
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	11	23.38
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	11	23.38
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	10	23.37
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	10	23.37
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	10	23.37
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	3	23.33
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	3	23.33
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	3	23.33
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	9	23.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	9	23.32
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	6	23.31
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	6	23.31
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	13	23.27
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	13	23.27
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	13	23.27
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	13	23.27
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	13	23.27
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	13	23.27
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	14	23.25
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	14	23.25
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	14	23.25
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	14	23.25
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	14	23.25
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	14	23.25
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	10	23.25
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	10	23.25
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	10	23.25
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	10	23.25
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	10	23.25
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	10	23.25
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	6	23.23
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	6	23.23
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	6	23.23
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	11	23.22
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	11	23.22
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	11	23.22
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	11	23.22
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	11	23.22
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	11	23.22
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	15	23.2
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	15	23.2
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	15	23.2
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	15	23.2
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	15	23.2
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	15	23.2
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	14	23.19
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	14	23.19
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	14	23.19
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	14	23.19
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	14	23.19
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	14	23.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	5	23.18
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	5	23.18
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	5	23.18
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	5	23.18
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	5	23.18
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	5	23.18
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	9	23.14
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	9	23.14
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	9	23.14
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	9	23.14
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	9	23.14
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	9	23.14
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	3	23.11
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	3	23.11
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	1	23.1
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	1	23.1
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	1	23.1
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	1	23.1
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	1	23.1
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	1	23.1
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	13	23.1
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	13	23.1
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	13	23.1
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	13	23.1
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	13	23.1
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	13	23.1
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	10	23.09
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	10	23.09
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	10	23.09
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	3	23.07
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	3	23.07
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	3	23.07
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	3	23.07
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	3	23.07
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	3	23.07
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	2	23.06
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	2	23.06
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	1	23.04
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	1	23.04
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	1	23.04
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	1	23.04
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	1	23.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	1	23.04
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	6	22.99
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	6	22.99
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	6	22.99
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	6	22.99
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	6	22.99
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	6	22.99
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	5	22.97
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	5	22.97
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	5	22.97
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	7	22.96
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	7	22.96
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	7	22.96
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	12	22.95
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	12	22.95
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	12	22.95
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	13	22.95
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	13	22.95
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	4	22.92
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	4	22.92
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	4	22.92
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	4	22.92
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	4	22.92
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	4	22.92
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	9	22.84
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	9	22.84
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	9	22.84
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	1	22.81
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	1	22.81
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	12	22.79
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	12	22.79
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	12	22.79
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	12	22.79
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	12	22.79
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	12	22.79
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	12	22.78
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	12	22.78
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	8	22.76
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	8	22.76
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	8	22.76
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	8	22.76
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	8	22.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	8	22.76
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	8	22.73
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	8	22.73
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	8	22.73
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	8	22.73
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	8	22.73
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	8	22.73
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	3	22.72
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	3	22.72
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	3	22.72
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	3	22.72
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	3	22.72
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	3	22.72
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	8	22.71
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	8	22.71
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	8	22.71
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	7	22.71
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	7	22.71
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	13	22.66
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	13	22.66
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	13	22.66
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	10	22.63
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	10	22.63
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	15	22.59
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	15	22.59
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	15	22.59
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	8	22.51
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	8	22.51
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	13	22.31
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	13	22.31
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	13	22.31
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	13	22.31
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	13	22.31
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	13	22.31
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	9	22.3
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	9	22.3
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	9	22.3
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	9	22.3
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	9	22.3
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	9	22.3
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	9	22.3
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	9	22.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	9	22.3
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	9	22.3
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	9	22.3
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	9	22.3
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD21	8	22.29
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD22	8	22.29
(2,164)	1:796:A:TRP:HE1	1:755:A:LEU:HD23	8	22.29
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	14	22.25
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	14	22.25
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	12	22.19
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	12	22.19
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	12	22.19
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	12	22.19
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	12	22.19
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	12	22.19
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	14	22.17
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	14	22.17
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	14	22.17
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	14	22.17
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	14	22.17
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	14	22.17
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	11	22.14
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	11	22.14
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	11	22.14
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	2	22.09
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	2	22.09
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	2	22.09
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	2	22.09
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	2	22.09
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	2	22.09
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	15	22.05
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	15	22.05
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	15	22.05
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	4	22.05
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	4	22.05
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	4	22.05
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	4	22.05
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	4	22.05
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	4	22.05
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD21	12	22.04
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD22	12	22.04
(2,163)	1:796:B:TRP:HE1	1:755:A:LEU:HD23	12	22.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	11	21.91
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	11	21.91
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	11	21.91
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	11	21.91
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	11	21.91
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	11	21.91
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	5	21.9
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	5	21.9
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	5	21.9
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	5	21.9
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	5	21.9
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	5	21.9
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG12	7	21.88
(2,116)	1:781:A:ILE:HD11	1:746:A:ILE:HG13	7	21.88
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG12	7	21.88
(2,116)	1:781:A:ILE:HD12	1:746:A:ILE:HG13	7	21.88
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG12	7	21.88
(2,116)	1:781:A:ILE:HD13	1:746:A:ILE:HG13	7	21.88
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD2	5	21.84
(2,106)	1:777:B:ILE:HD11	1:742:A:ARG:HD3	5	21.84
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD2	5	21.84
(2,106)	1:777:B:ILE:HD12	1:742:A:ARG:HD3	5	21.84
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD2	5	21.84
(2,106)	1:777:B:ILE:HD13	1:742:A:ARG:HD3	5	21.84
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	6	21.81
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	6	21.81
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	6	21.81
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	6	21.81
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	6	21.81
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	6	21.81
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	9	21.75
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	9	21.75
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	9	21.75
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	9	21.75
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	9	21.75
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	9	21.75
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB2	4	21.75
(2,92)	1:754:A:ALA:H	1:716:A:SER:HB3	4	21.75
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	10	21.6
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	10	21.6
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	10	21.6
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	10	21.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	10	21.6
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	10	21.6
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	15	21.53
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	15	21.53
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	15	21.53
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	15	21.53
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	15	21.53
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	15	21.53
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	11	21.45
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	11	21.45
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	11	21.45
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	11	21.45
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	11	21.45
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	11	21.45
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	9	21.39
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	9	21.39
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	2	21.35
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	2	21.35
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	2	21.35
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	2	21.35
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	2	21.35
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	2	21.35
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	5	21.17
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	5	21.17
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	5	21.17
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	5	21.17
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	5	21.17
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	5	21.17
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	13	21.16
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	13	21.16
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG12	12	21.11
(2,115)	1:781:B:ILE:HD11	1:746:A:ILE:HG13	12	21.11
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG12	12	21.11
(2,115)	1:781:B:ILE:HD12	1:746:A:ILE:HG13	12	21.11
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG12	12	21.11
(2,115)	1:781:B:ILE:HD13	1:746:A:ILE:HG13	12	21.11
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	14	21.04
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	14	21.04
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	14	21.04
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	14	21.04
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	14	21.04
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	14	21.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	3	21.04
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	3	21.04
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	3	21.04
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	3	21.04
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	3	21.04
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	3	21.04
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	7	21.01
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	7	21.01
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	7	21.01
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	7	21.01
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	7	21.01
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	7	21.01
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	3	20.96
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	3	20.96
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	1	20.95
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	1	20.95
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	11	20.92
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	11	20.92
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	3	20.91
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	3	20.91
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	3	20.91
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	3	20.91
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	3	20.91
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	3	20.91
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	2	20.81
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	2	20.81
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	15	20.79
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	15	20.79
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	15	20.79
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	15	20.79
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	15	20.79
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	15	20.79
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	6	20.75
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	6	20.75
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	6	20.75
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	6	20.75
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	6	20.75
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	6	20.75
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	1	20.74
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	1	20.74
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	1	20.74
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	1	20.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	1	20.74
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	1	20.74
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	12	20.74
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	12	20.74
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	8	20.71
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	8	20.71
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	8	20.71
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	8	20.71
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	8	20.71
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	8	20.71
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	8	20.71
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	8	20.71
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	10	20.65
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	10	20.65
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	10	20.65
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	10	20.65
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	10	20.65
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	10	20.65
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	12	20.65
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	12	20.65
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	12	20.65
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	12	20.65
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	12	20.65
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	12	20.65
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	2	20.59
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	2	20.59
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	10	20.58
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	10	20.58
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	10	20.58
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	10	20.58
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	10	20.58
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	10	20.58
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	1	20.56
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	1	20.56
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	1	20.56
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	1	20.56
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	1	20.56
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	1	20.56
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	5	20.45
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	5	20.45
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	5	20.45
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	5	20.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	5	20.45
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	5	20.45
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	3	20.44
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	3	20.44
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	3	20.44
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	3	20.44
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	3	20.44
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	3	20.44
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	4	20.44
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	4	20.44
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	4	20.44
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	4	20.44
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	4	20.44
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	4	20.44
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	7	20.44
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	7	20.44
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	8	20.44
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	8	20.44
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	1	20.42
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	1	20.42
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	1	20.42
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	1	20.42
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	1	20.42
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	1	20.42
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	12	20.41
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	12	20.41
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	12	20.41
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	12	20.41
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	12	20.41
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	12	20.41
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	15	20.34
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	15	20.34
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	10	20.3
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	10	20.3
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	15	20.3
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	15	20.3
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	13	20.29
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	13	20.29
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	13	20.29
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	13	20.29
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	13	20.29
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	13	20.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	14	20.26
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	14	20.26
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	14	20.26
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	14	20.26
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	14	20.26
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	14	20.26
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	2	20.25
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	2	20.25
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	2	20.25
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	2	20.25
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	2	20.25
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	2	20.25
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	12	20.24
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	12	20.24
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	14	20.22
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	14	20.22
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	14	20.22
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	14	20.22
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	14	20.22
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	14	20.22
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	5	20.22
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	5	20.22
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	13	20.21
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	13	20.21
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	13	20.21
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	13	20.21
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	13	20.21
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	13	20.21
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	2	20.13
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	2	20.13
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	2	20.13
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	2	20.13
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	2	20.13
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	2	20.13
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	4	20.08
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	4	20.08
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	15	20.06
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	15	20.06
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	15	20.06
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	15	20.06
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	15	20.06
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	15	20.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	8	20.06
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	8	20.06
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	8	20.06
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	8	20.06
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	8	20.06
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	8	20.06
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	12	20.01
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	12	20.01
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	12	20.01
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	12	20.01
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	12	20.01
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	12	20.01
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	11	19.98
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	11	19.98
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	11	19.98
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	11	19.98
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	11	19.98
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	11	19.98
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	6	19.94
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	6	19.94
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	11	19.92
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	11	19.92
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	6	19.91
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	6	19.91
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	6	19.91
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	6	19.91
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	6	19.91
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	6	19.91
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	8	19.84
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	8	19.84
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	8	19.84
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	8	19.84
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	8	19.84
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	8	19.84
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	1	19.82
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	1	19.82
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	3	19.82
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	3	19.82
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	14	19.76
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	14	19.76
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	14	19.76
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	14	19.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	14	19.76
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	14	19.76
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	14	19.64
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	14	19.64
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	9	19.6
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	9	19.6
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	9	19.6
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	9	19.6
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	9	19.6
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	9	19.6
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	10	19.57
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	10	19.57
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	7	19.55
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	7	19.55
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	6	19.52
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	6	19.52
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB2	13	19.51
(2,91)	1:754:B:ALA:H	1:716:A:SER:HB3	13	19.51
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	12	19.5
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	12	19.5
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	12	19.5
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	12	19.5
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	12	19.5
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	12	19.5
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	11	19.46
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	11	19.46
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	11	19.46
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	11	19.46
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	11	19.46
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	11	19.46
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	4	19.41
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	4	19.41
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	9	19.4
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	9	19.4
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	5	19.38
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	5	19.38
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	5	19.38
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	5	19.38
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	5	19.38
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	5	19.38
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	4	19.38
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	4	19.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	4	19.38
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	4	19.38
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	4	19.38
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	4	19.38
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	13	19.34
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	13	19.34
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	13	19.34
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	13	19.34
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	13	19.34
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	13	19.34
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB2	7	19.31
(2,120)	1:785:A:LEU:HD21	1:716:A:SER:HB3	7	19.31
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB2	7	19.31
(2,120)	1:785:A:LEU:HD22	1:716:A:SER:HB3	7	19.31
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB2	7	19.31
(2,120)	1:785:A:LEU:HD23	1:716:A:SER:HB3	7	19.31
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD2	8	19.3
(2,121)	1:785:B:LEU:HD21	1:747:A:ARG:HD3	8	19.3
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD2	8	19.3
(2,121)	1:785:B:LEU:HD22	1:747:A:ARG:HD3	8	19.3
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD2	8	19.3
(2,121)	1:785:B:LEU:HD23	1:747:A:ARG:HD3	8	19.3
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	6	19.29
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	6	19.29
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	6	19.29
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	6	19.29
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	6	19.29
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	6	19.29
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	4	19.23
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	4	19.23
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	4	19.23
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	10	19.2
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	10	19.2
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	10	19.2
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	10	19.2
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	10	19.2
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	10	19.2
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	3	19.02
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	3	19.02
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	3	19.02
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	14	18.97
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	14	18.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	2	18.55
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	2	18.55
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	2	18.55
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	2	18.55
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	2	18.55
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	2	18.55
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	12	18.54
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	12	18.54
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	12	18.54
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	13	18.49
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	13	18.49
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	13	18.49
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	4	18.4
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	4	18.4
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	4	18.4
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	4	18.4
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	4	18.4
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	4	18.4
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	9	18.4
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	9	18.4
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	9	18.4
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	15	18.37
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	15	18.37
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	15	18.37
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	15	18.37
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	15	18.37
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	15	18.37
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD2	5	18.37
(2,100)	1:759:B:ASP:H	1:709:A:ARG:HD3	5	18.37
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	4	18.31
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	4	18.31
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	4	18.31
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	4	18.31
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	4	18.31
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	4	18.31
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	9	18.21
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	9	18.21
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	9	18.21
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	9	18.21
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	9	18.21
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	9	18.21
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	7	18.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	7	18.21
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	7	18.21
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	8	18.2
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	8	18.2
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	8	18.2
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	3	18.06
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	3	18.06
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	3	18.06
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	3	18.06
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	3	18.06
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	3	18.06
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	1	18.02
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	1	18.02
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	1	18.02
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	14	17.96
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	14	17.96
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	14	17.96
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD2	7	17.82
(2,122)	1:785:A:LEU:HD21	1:747:A:ARG:HD3	7	17.82
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD2	7	17.82
(2,122)	1:785:A:LEU:HD22	1:747:A:ARG:HD3	7	17.82
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD2	7	17.82
(2,122)	1:785:A:LEU:HD23	1:747:A:ARG:HD3	7	17.82
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	1	17.58
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	1	17.58
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	1	17.58
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	1	17.58
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	1	17.58
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	1	17.58
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	2	17.5
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	2	17.5
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	2	17.5
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	10	17.48
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	10	17.48
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	10	17.48
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	5	17.42
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	5	17.42
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	5	17.42
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	7	17.31
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	7	17.31
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	7	17.31
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	7	17.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	7	17.31
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	7	17.31
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	5	17.3
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	5	17.3
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	5	17.3
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	5	17.3
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	5	17.3
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	5	17.3
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	11	17.26
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	11	17.26
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	11	17.26
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	6	17.08
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	6	17.08
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	6	17.08
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB2	13	17.04
(2,119)	1:785:A:LEU:HD21	1:716:B:SER:HB3	13	17.04
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB2	13	17.04
(2,119)	1:785:A:LEU:HD22	1:716:B:SER:HB3	13	17.04
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB2	13	17.04
(2,119)	1:785:A:LEU:HD23	1:716:B:SER:HB3	13	17.04
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	13	16.94
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	13	16.94
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	13	16.94
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	1	16.8
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	1	16.8
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	1	16.8
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	3	16.7
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	3	16.7
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	3	16.7
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	5	16.7
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	5	16.7
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	5	16.7
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	14	16.58
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	14	16.58
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	14	16.58
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD21	15	16.57
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD22	15	16.57
(2,98)	1:758:A:ASP:H	1:715:A:LEU:HD23	15	16.57
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	4	16.56
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	4	16.56
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	4	16.56
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	12	16.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	12	16.49
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	12	16.49
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	10	16.48
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	10	16.48
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	10	16.48
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	8	16.44
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	8	16.44
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	8	16.44
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	15	16.12
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	15	16.12
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	15	16.12
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	7	15.87
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	7	15.87
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	7	15.87
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	9	15.82
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	9	15.82
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	2	15.8
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	2	15.8
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	2	15.8
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	11	15.78
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	11	15.78
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	11	15.78
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	1	15.67
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	1	15.67
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	1	15.58
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	1	15.58
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	5	15.49
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	5	15.49
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	8	15.4
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	8	15.4
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	3	15.4
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	3	15.4
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	6	15.39
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	6	15.39
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	6	15.39
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	2	15.31
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	2	15.31
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD21	9	15.26
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD22	9	15.26
(2,97)	1:758:B:ASP:H	1:715:A:LEU:HD23	9	15.26
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	5	15.23
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	5	15.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	2	15.22
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	2	15.22
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	13	15.22
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	13	15.22
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	14	15.18
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	14	15.18
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	6	15.11
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	6	15.11
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	12	15.08
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	12	15.08
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	4	15.05
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	4	15.05
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	4	14.98
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	4	14.98
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	12	14.87
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	12	14.87
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	15	14.85
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	15	14.85
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	3	14.76
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	3	14.76
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	7	14.69
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	7	14.69
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	11	14.66
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	11	14.66
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	8	14.6
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	8	14.6
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	10	14.55
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	10	14.55
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	4	14.54
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	4	14.54
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	10	14.52
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	10	14.52
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	5	14.5
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	5	14.5
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	9	14.46
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	9	14.46
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	13	14.42
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	13	14.42
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	15	14.39
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	15	14.39
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB2	9	14.37
(2,86)	1:711:A:GLY:H	1:758:B:ASP:HB3	9	14.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	14	14.34
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	14	14.34
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	6	14.21
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	6	14.21
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	8	14.1
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	8	14.1
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	2	14.08
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	2	14.08
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	7	14.04
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	7	14.04
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	1	14.0
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	1	14.0
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	12	13.8
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	12	13.8
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	3	13.79
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	3	13.79
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	11	13.69
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	11	13.69
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	11	13.69
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	11	13.69
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	11	13.69
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	11	13.69
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	14	13.54
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	14	13.54
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD2	11	13.53
(2,101)	1:759:A:ASP:H	1:709:A:ARG:HD3	11	13.53
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	7	13.49
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	7	13.49
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	13	13.19
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	13	13.19
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	6	13.15
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	6	13.15
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	10	13.07
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	10	13.07
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	2	13.01
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	2	13.01
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	2	13.01
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	2	13.01
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	2	13.01
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	2	13.01
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	14	12.89
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	14	12.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	14	12.89
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	14	12.89
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	14	12.89
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	14	12.89
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	3	12.88
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	3	12.88
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	3	12.88
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	3	12.88
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	3	12.88
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	3	12.88
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	4	12.78
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	4	12.78
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	4	12.78
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	4	12.78
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	4	12.78
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	4	12.78
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	11	12.74
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	11	12.74
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB2	15	12.69
(2,85)	1:711:A:GLY:H	1:758:A:ASP:HB3	15	12.69
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	12	12.58
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	12	12.58
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	12	12.58
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	12	12.58
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	12	12.58
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	12	12.58
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	1	12.54
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	1	12.54
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	1	12.54
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	1	12.54
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	1	12.54
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	1	12.54
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	10	12.47
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	10	12.47
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	10	12.47
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	10	12.47
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	10	12.47
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	10	12.47
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	7	12.42
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	7	12.24
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	7	12.24
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	7	12.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	7	12.24
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	7	12.24
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	7	12.24
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	1	12.21
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	8	12.19
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	8	12.19
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	8	12.19
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	8	12.19
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	8	12.19
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	8	12.19
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	10	12.1
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	10	12.1
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	9	12.08
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	9	12.08
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	5	12.06
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	5	12.06
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	5	12.06
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	5	12.06
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	5	12.06
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	5	12.06
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	9	12.02
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	9	12.02
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	9	12.02
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	9	12.02
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	9	12.02
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	9	12.02
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	6	11.99
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	6	11.99
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	6	11.99
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	6	11.99
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	6	11.99
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	6	11.99
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	15	11.98
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	15	11.98
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	15	11.98
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	15	11.98
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	15	11.98
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	15	11.98
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	9	11.86
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	9	11.86
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	9	11.86
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	9	11.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	9	11.86
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	9	11.86
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	11	11.8
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	11	11.8
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	5	11.7
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	5	11.7
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	1	11.54
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	1	11.54
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	1	11.54
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	1	11.54
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	1	11.54
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	1	11.54
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	8	11.54
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	8	11.54
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	14	11.54
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	14	11.54
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	13	11.53
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	13	11.53
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	13	11.53
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	13	11.53
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	13	11.53
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	13	11.53
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	4	11.49
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	4	11.49
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	4	11.49
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	4	11.49
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	4	11.49
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	4	11.49
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	9	11.47
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	9	11.47
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	9	11.47
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	11	11.46
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	11	11.46
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	11	11.46
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	10	11.45
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	10	11.45
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	10	11.45
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	7	11.44
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	7	11.44
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	2	11.39
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	2	11.39
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	12	11.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	12	11.32
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	12	11.32
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	12	11.32
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	12	11.32
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	12	11.32
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	3	11.28
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	3	11.28
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	3	11.28
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	14	11.25
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	12	11.19
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	12	11.19
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	7	11.18
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	7	11.18
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	7	11.18
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	15	11.04
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	15	11.04
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	3	10.98
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	3	10.98
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	12	10.97
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	12	10.97
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	12	10.97
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	6	10.92
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	6	10.92
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	8	10.84
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	11	10.82
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	11	10.82
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	14	10.79
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	14	10.79
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	14	10.79
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	14	10.79
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	14	10.79
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	14	10.79
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	4	10.79
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	4	10.79
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	13	10.78
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	13	10.78
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	2	10.76
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	2	10.76
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	2	10.76
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	2	10.76
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	2	10.76
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	2	10.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	13	10.75
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	13	10.75
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	13	10.71
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	13	10.71
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	13	10.71
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	13	10.71
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	13	10.71
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	13	10.71
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	10	10.71
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	14	10.67
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	14	10.67
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	5	10.66
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	5	10.66
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	12	10.66
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	12	10.66
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD2	1	10.65
(2,82)	1:709:B:ARG:H	1:714:A:PRO:HD3	1	10.65
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	5	10.64
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	5	10.64
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	5	10.64
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	9	10.63
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	9	10.63
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	9	10.63
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	3	10.63
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	3	10.63
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	8	10.61
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	8	10.61
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	8	10.61
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	8	10.61
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	8	10.61
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	8	10.61
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	10	10.59
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	10	10.59
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	10	10.59
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	10	10.59
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	10	10.59
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	10	10.59
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	1	10.54
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	1	10.54
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	2	10.45
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	2	10.45
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	12	10.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	15	10.39
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	15	10.39
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	15	10.39
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	15	10.39
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	15	10.39
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	15	10.39
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	5	10.39
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	5	10.39
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	5	10.39
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	11	10.38
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	11	10.38
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	11	10.38
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	13	10.34
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	13	10.34
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	13	10.34
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	7	10.33
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	7	10.33
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	7	10.33
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	7	10.33
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	7	10.33
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	7	10.33
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	15	10.31
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	15	10.31
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	1	10.29
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	1	10.29
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	1	10.29
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	11	10.29
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	6	10.26
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	6	10.26
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	6	10.26
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	6	10.26
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	6	10.26
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	6	10.26
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	8	10.21
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	8	10.21
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	4	10.19
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	4	10.19
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	4	10.19
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	6	10.19
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	6	10.19
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	6	10.19
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE21	5	10.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,94)	1:755:B:LEU:HD11	1:710:A:GLN:HE22	5	10.18
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE21	5	10.18
(2,94)	1:755:B:LEU:HD12	1:710:A:GLN:HE22	5	10.18
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE21	5	10.18
(2,94)	1:755:B:LEU:HD13	1:710:A:GLN:HE22	5	10.18
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	9	10.13
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	9	10.13
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	7	10.02
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	7	10.02
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	11	10.0
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	11	10.0
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	11	10.0
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	11	10.0
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	11	10.0
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	11	10.0
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	6	9.98
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	15	9.89
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	15	9.89
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	15	9.89
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	15	9.84
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE21	3	9.8
(2,95)	1:755:A:LEU:HD11	1:710:A:GLN:HE22	3	9.8
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE21	3	9.8
(2,95)	1:755:A:LEU:HD12	1:710:A:GLN:HE22	3	9.8
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE21	3	9.8
(2,95)	1:755:A:LEU:HD13	1:710:A:GLN:HE22	3	9.8
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	2	9.77
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	3	9.77
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	1	9.67
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	1	9.67
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	1	9.67
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	15	9.63
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	15	9.63
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	15	9.63
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	12	9.55
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	12	9.55
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	7	9.49
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	7	9.49
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	7	9.49
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	14	9.47
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	14	9.47
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	14	9.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	10	9.46
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	10	9.46
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	12	9.44
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	12	9.44
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	12	9.44
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	10	9.42
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	10	9.42
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	10	9.42
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	14	9.37
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	14	9.37
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	14	9.37
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	10	9.35
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	10	9.35
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	10	9.35
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	11	9.33
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	11	9.33
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	11	9.24
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	11	9.24
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	11	9.24
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	4	9.24
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	4	9.24
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD2	10	9.17
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD2	10	9.17
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	13	9.16
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	13	9.16
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	13	9.16
(2,636)	1:761:B:ARG:HH21	1:758:B:ASP:OD1	9	9.13
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	4	9.13
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	4	9.13
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	4	9.13
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	4	9.13
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	4	9.13
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	4	9.13
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	10	9.1
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	10	9.1
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	10	9.1
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	1	9.1
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	1	9.1
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	6	9.07
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	6	9.07
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	6	9.07
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	3	9.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	3	9.07
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	3	9.07
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	2	9.06
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	2	9.06
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	9	8.92
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	9	8.92
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	9	8.92
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	9	8.87
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	9	8.87
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	9	8.87
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	14	8.86
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	14	8.86
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	14	8.86
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	2	8.75
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	2	8.75
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	2	8.75
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	7	8.75
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	7	8.75
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	7	8.75
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	13	8.7
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	13	8.7
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	12	8.69
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	12	8.69
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	12	8.69
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	4	8.69
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	4	8.69
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	4	8.69
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB2	6	8.68
(2,16)	1:670:B:TRP:HE1	1:660:A:LEU:HB3	6	8.68
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	14	8.67
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	14	8.67
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	3	8.66
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	3	8.66
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	8	8.61
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	8	8.61
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	8	8.61
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	15	8.61
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	15	8.61
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	8	8.6
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	8	8.6
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	8	8.6
(2,79)	1:708:B:VAL:HG21	1:714:A:PRO:HA	2	8.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,79)	1:708:B:VAL:HG22	1:714:A:PRO:HA	2	8.59
(2,79)	1:708:B:VAL:HG23	1:714:A:PRO:HA	2	8.59
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	14	8.57
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	14	8.57
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	14	8.57
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	11	8.48
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	11	8.48
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	11	8.48
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	8	8.47
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	8	8.47
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	8	8.47
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	6	8.45
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	6	8.45
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	6	8.45
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	9	8.44
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	2	8.41
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	2	8.41
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	9	8.41
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	9	8.41
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	4	8.38
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	1	8.34
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	1	8.34
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	1	8.34
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	5	8.33
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	5	8.33
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	5	8.33
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	15	8.31
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	15	8.31
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	2	8.3
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	2	8.3
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	2	8.3
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	3	8.28
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	3	8.28
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	3	8.28
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	9	8.27
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	9	8.27
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	7	8.26
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	7	8.26
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	12	8.26
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	12	8.26
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	9	8.22
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	9	8.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	9	8.22
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	9	8.22
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	9	8.22
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	9	8.22
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	13	8.22
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	13	8.21
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	13	8.21
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	13	8.21
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	6	8.2
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	6	8.2
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	6	8.2
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	15	8.2
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	15	8.2
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	15	8.2
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	5	8.2
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	5	8.2
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	6	8.14
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	6	8.14
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	10	8.12
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	10	8.12
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	1	8.1
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	1	8.1
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	1	8.1
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	11	8.07
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	11	8.07
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	11	8.07
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	11	8.07
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	11	8.07
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	11	8.07
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	4	8.05
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	4	8.05
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	1	8.05
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	1	8.05
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	1	8.05
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	1	8.05
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	1	8.05
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	1	8.05
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	8	8.04
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	8	8.04
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	8	8.04
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	3	8.03
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	3	8.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,21)	1:678:A:TRP:HE1	1:683:B:ARG:HE	5	8.02
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	5	8.01
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	5	8.01
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	10	7.98
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	10	7.98
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	10	7.98
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	10	7.98
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	10	7.98
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	10	7.98
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	1	7.97
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	1	7.97
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	1	7.97
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	1	7.97
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	1	7.97
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	1	7.97
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	4	7.95
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	4	7.95
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	4	7.95
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	4	7.95
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	4	7.95
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	4	7.95
(2,636)	1:761:B:ARG:HH21	1:758:B:ASP:OD1	14	7.9
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	12	7.9
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	12	7.9
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	12	7.9
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	12	7.9
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	12	7.9
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	12	7.9
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	5	7.89
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	5	7.89
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	5	7.89
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	8	7.84
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	8	7.84
(2,636)	1:761:B:ARG:HH21	1:758:B:ASP:OD1	1	7.78
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	3	7.78
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	7	7.77
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	7	7.77
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	7	7.77
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD11	2	7.76
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD12	2	7.76
(2,24)	1:678:A:TRP:HE1	1:687:B:ILE:HD13	2	7.76
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	11	7.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	11	7.76
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	14	7.75
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	14	7.75
(2,636)	1:761:B:ARG:HH11	1:758:B:ASP:OD1	2	7.74
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB2	4	7.73
(2,17)	1:670:A:TRP:HE1	1:660:A:LEU:HB3	4	7.73
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	12	7.68
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	12	7.68
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	12	7.68
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	6	7.66
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	6	7.66
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	6	7.66
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	6	7.66
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	6	7.66
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	6	7.66
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	2	7.62
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	2	7.62
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	5	7.62
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	5	7.62
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	5	7.62
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	5	7.62
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	5	7.62
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	5	7.62
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	1	7.59
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	1	7.59
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	10	7.57
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	10	7.57
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	10	7.57
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	10	7.57
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	10	7.57
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	10	7.57
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	2	7.49
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	2	7.49
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	2	7.49
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	2	7.49
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	2	7.49
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	2	7.49
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	11	7.47
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	11	7.47
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	11	7.47
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	11	7.47
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	11	7.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	11	7.47
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	6	7.46
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	6	7.46
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	6	7.46
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	6	7.46
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	6	7.46
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	6	7.46
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	3	7.45
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	3	7.45
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	3	7.45
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	7	7.43
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	7	7.43
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	13	7.42
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	13	7.42
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	15	7.4
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	9	7.4
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	9	7.4
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	14	7.39
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	14	7.39
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	14	7.39
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	14	7.39
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	14	7.39
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	14	7.39
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD2	4	7.37
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	11	7.37
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	11	7.37
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	11	7.37
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	10	7.36
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	12	7.35
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	12	7.35
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	12	7.35
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	12	7.35
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	12	7.35
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	12	7.35
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	8	7.32
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	8	7.32
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	4	7.3
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	6	7.3
(2,1486)	1:761:A:ARG:HH11	1:758:A:ASP:OD1	6	7.28
(2,1061)	1:761:A:ARG:HH11	1:758:A:ASP:OD1	6	7.28
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	4	7.28
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	4	7.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	4	7.28
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	4	7.28
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	4	7.28
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	4	7.28
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	1	7.26
(2,1486)	1:761:A:ARG:HH11	1:758:A:ASP:OD2	1	7.23
(2,1061)	1:761:A:ARG:HH11	1:758:A:ASP:OD2	1	7.23
(2,1486)	1:761:A:ARG:HH11	1:758:A:ASP:OD2	3	7.22
(2,1061)	1:761:A:ARG:HH11	1:758:A:ASP:OD2	3	7.22
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	14	7.17
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	7	7.15
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	7	7.15
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	7	7.15
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	7	7.15
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	7	7.15
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	7	7.15
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	13	7.15
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	13	7.15
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	14	7.12
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	14	7.12
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	14	7.12
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	14	7.12
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	14	7.12
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	14	7.12
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	12	7.12
(2,636)	1:761:B:ARG:HH21	1:758:B:ASP:OD1	13	7.07
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	8	7.06
(2,636)	1:761:B:ARG:HH21	1:758:B:ASP:OD2	8	7.05
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	15	7.03
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	15	7.03
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	7	7.03
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	5	6.99
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	8	6.98
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	8	6.98
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	8	6.98
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	8	6.98
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	8	6.98
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	8	6.98
(2,636)	1:761:B:ARG:HH21	1:758:B:ASP:OD1	11	6.96
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	13	6.96
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	13	6.96
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	13	6.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	13	6.96
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	13	6.96
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	13	6.96
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD11	13	6.95
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD12	13	6.95
(2,23)	1:678:A:TRP:HE1	1:687:A:ILE:HD13	13	6.95
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	9	6.94
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	9	6.93
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	12	6.89
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	12	6.89
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	12	6.89
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	12	6.89
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	12	6.89
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	12	6.89
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	3	6.88
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	3	6.88
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	3	6.88
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	3	6.88
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	3	6.88
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	3	6.88
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	2	6.86
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	2	6.86
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	2	6.86
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	2	6.86
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	2	6.86
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	2	6.86
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	13	6.86
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	11	6.83
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	11	6.83
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	11	6.83
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	11	6.83
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	11	6.83
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	11	6.83
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	4	6.83
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	4	6.83
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	2	6.82
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	2	6.82
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	2	6.82
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	2	6.82
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	2	6.82
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	2	6.82
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	9	6.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	9	6.82
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	9	6.82
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	9	6.82
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	9	6.82
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	9	6.82
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	5	6.79
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	5	6.79
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	5	6.79
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	5	6.79
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	5	6.79
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	5	6.79
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	9	6.78
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	9	6.78
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	6	6.78
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	6	6.78
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	6	6.78
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	5	6.75
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	5	6.75
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	13	6.75
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	13	6.75
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	13	6.75
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	3	6.72
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	3	6.72
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	3	6.72
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	3	6.72
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	3	6.72
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	3	6.72
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	11	6.7
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD2	12	6.69
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD2	15	6.68
(2,76)	1:708:B:VAL:HG21	1:714:A:PRO:HD3	15	6.68
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD2	15	6.68
(2,76)	1:708:B:VAL:HG22	1:714:A:PRO:HD3	15	6.68
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD2	15	6.68
(2,76)	1:708:B:VAL:HG23	1:714:A:PRO:HD3	15	6.68
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	10	6.68
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	10	6.68
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	5	6.68
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	5	6.68
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	5	6.68
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	5	6.68
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	5	6.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	5	6.68
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	8	6.67
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	8	6.67
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	15	6.61
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	15	6.61
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	15	6.61
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	14	6.59
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	14	6.59
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	15	6.59
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	15	6.59
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	15	6.59
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG21	15	6.57
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG22	15	6.57
(2,89)	1:713:A:SER:H	1:708:B:VAL:HG23	15	6.57
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	4	6.57
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	4	6.57
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	4	6.57
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	4	6.57
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	4	6.57
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	4	6.57
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	8	6.54
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	8	6.54
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	8	6.54
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	8	6.54
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	8	6.54
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	8	6.54
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	6	6.53
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	6	6.53
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	14	6.51
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	14	6.51
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	14	6.51
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	14	6.51
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	14	6.51
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	14	6.51
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	15	6.51
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	15	6.51
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	15	6.51
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	15	6.51
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	15	6.51
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	15	6.51
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	3	6.5
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	3	6.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	3	6.5
(2,638)	1:780:B:ARG:HH21	1:783:B:GLU:OE1	15	6.48
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	8	6.47
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	8	6.47
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	8	6.47
(2,636)	1:761:B:ARG:HH11	1:758:B:ASP:OD1	5	6.45
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	5	6.45
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	5	6.45
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	5	6.45
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	13	6.44
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	13	6.44
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	13	6.44
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	13	6.44
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	13	6.44
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	13	6.44
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	11	6.43
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	11	6.43
(2,20)	1:678:A:TRP:HE1	1:683:A:ARG:HE	2	6.43
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	3	6.42
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	3	6.42
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	5	6.41
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	5	6.41
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	5	6.41
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	8	6.4
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	8	6.4
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	8	6.39
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	8	6.39
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	8	6.39
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	8	6.39
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	8	6.39
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	8	6.39
(2,1486)	1:761:A:ARG:HH11	1:758:A:ASP:OD1	11	6.38
(2,1061)	1:761:A:ARG:HH11	1:758:A:ASP:OD1	11	6.38
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	12	6.38
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	12	6.38
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	12	6.38
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	1	6.36
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	1	6.36
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	1	6.36
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	1	6.36
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	1	6.36
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	1	6.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	10	6.36
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	10	6.36
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	10	6.36
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	11	6.35
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	11	6.35
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	11	6.35
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	11	6.35
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	11	6.35
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	11	6.35
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	2	6.34
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	2	6.34
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	1	6.34
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	1	6.34
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	1	6.34
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	1	6.34
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	1	6.34
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	1	6.34
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	3	6.34
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	3	6.34
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	3	6.34
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	3	6.34
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	3	6.34
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	3	6.34
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	13	6.33
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	13	6.33
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	13	6.33
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	13	6.33
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	13	6.33
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	13	6.33
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	1	6.32
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	2	6.32
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	2	6.32
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	4	6.31
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	4	6.31
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	7	6.3
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	7	6.3
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	7	6.3
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	7	6.3
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	7	6.3
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	9	6.28
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	9	6.28
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	6	6.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	6	6.28
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	6	6.28
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	8	6.26
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	8	6.26
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	8	6.26
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	8	6.26
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	8	6.26
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	8	6.26
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	13	6.25
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	13	6.25
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	13	6.25
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB2	6	6.19
(2,7)	1:664:B:ASP:H	1:660:A:LEU:HB3	6	6.19
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	12	6.15
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	12	6.15
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	14	6.15
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	14	6.15
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	14	6.15
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	7	6.13
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	7	6.13
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	7	6.13
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	7	6.13
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	7	6.13
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	7	6.13
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	9	6.12
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	9	6.12
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	9	6.12
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	15	6.11
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	15	6.11
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	15	6.11
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	10	6.1
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	10	6.1
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	10	6.1
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	10	6.1
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	10	6.1
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	10	6.1
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	15	6.1
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	15	6.1
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	15	6.1
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	15	6.1
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	15	6.1
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	15	6.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	1	6.09
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	1	6.09
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	1	6.09
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	1	6.07
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	1	6.07
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	7	6.06
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	7	6.06
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	11	6.05
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	11	6.05
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	11	6.05
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	11	6.05
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	11	6.05
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	11	6.05
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	5	6.03
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	5	6.03
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	14	6.0
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	14	6.0
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	7	6.0
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	7	6.0
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	7	6.0
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	7	6.0
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	7	6.0
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	7	6.0
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	3	6.0
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	3	6.0
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	3	6.0
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	15	5.98
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	15	5.98
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	12	5.97
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	2	5.97
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	2	5.97
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	2	5.97
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	2	5.96
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	2	5.96
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	2	5.96
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	1	5.95
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	1	5.95
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	5	5.95
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	5	5.95
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	5	5.95
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	10	5.94
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	10	5.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	12	5.94
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	12	5.94
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	12	5.94
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	12	5.94
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	12	5.94
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	12	5.94
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	12	5.94
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	12	5.94
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	12	5.94
(2,636)	1:761:B:ARG:HH21	1:758:B:ASP:OD1	6	5.92
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB2	7	5.9
(2,70)	1:708:B:VAL:HG21	1:712:A:TYR:HB3	7	5.9
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB2	7	5.9
(2,70)	1:708:B:VAL:HG22	1:712:A:TYR:HB3	7	5.9
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB2	7	5.9
(2,70)	1:708:B:VAL:HG23	1:712:A:TYR:HB3	7	5.9
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	15	5.88
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	15	5.88
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	15	5.88
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	15	5.88
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	15	5.88
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	15	5.88
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	15	5.88
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	15	5.88
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	15	5.88
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	12	5.88
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	12	5.88
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	12	5.88
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	15	5.86
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	15	5.86
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	15	5.86
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	15	5.86
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	15	5.86
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	15	5.86
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	10	5.86
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	10	5.86
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	10	5.86
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	11	5.86
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	11	5.86
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	11	5.86
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	10	5.85
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	10	5.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	10	5.85
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	10	5.85
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	10	5.85
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	7	5.84
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	7	5.84
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	7	5.84
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	12	5.83
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	12	5.83
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	8	5.83
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	8	5.83
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	8	5.83
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	8	5.83
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	8	5.83
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	8	5.83
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	4	5.82
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	4	5.82
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD1	3	5.79
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	1	5.79
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	1	5.79
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	1	5.79
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	1	5.79
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	1	5.79
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	1	5.79
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	7	5.78
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	7	5.78
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	7	5.78
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	7	5.78
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	7	5.78
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	7	5.78
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	10	5.77
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	10	5.77
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	10	5.77
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	10	5.77
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	10	5.77
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	10	5.77
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	13	5.77
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	13	5.77
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	13	5.77
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	13	5.77
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	13	5.77
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	13	5.77
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	1	5.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	1	5.76
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	1	5.76
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	13	5.76
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	13	5.76
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	13	5.76
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	13	5.76
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	13	5.76
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	13	5.76
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	14	5.75
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	14	5.75
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	14	5.75
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	2	5.74
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	2	5.74
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	2	5.74
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	2	5.74
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	2	5.74
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	2	5.74
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	10	5.74
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	10	5.74
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	10	5.74
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	10	5.74
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	10	5.74
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	10	5.74
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	9	5.73
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	9	5.73
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	12	5.73
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	12	5.73
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	12	5.73
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	14	5.71
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	14	5.71
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	14	5.71
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	14	5.71
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	14	5.71
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	14	5.71
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	6	5.69
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	6	5.69
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	6	5.69
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD2	15	5.65
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD2	15	5.65
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	14	5.65
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	14	5.65
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	14	5.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	9	5.63
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	9	5.63
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	9	5.63
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	9	5.62
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	9	5.62
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	9	5.62
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	7	5.6
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	7	5.6
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	7	5.6
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	7	5.6
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	7	5.6
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	7	5.6
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	1	5.59
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	1	5.59
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	1	5.59
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	1	5.59
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	1	5.59
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	1	5.59
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	1	5.59
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	1	5.59
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	1	5.59
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	3	5.58
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	3	5.58
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	5	5.58
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	5	5.58
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	5	5.58
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	5	5.58
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	5	5.58
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	5	5.58
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	3	5.57
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	3	5.57
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	3	5.57
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	2	5.57
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	2	5.57
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	2	5.57
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	2	5.57
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	2	5.57
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	2	5.57
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	6	5.54
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	6	5.54
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	6	5.54
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	6	5.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	6	5.54
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	6	5.54
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	9	5.53
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	9	5.53
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	9	5.53
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	9	5.53
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	9	5.53
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	9	5.53
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	9	5.53
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	9	5.53
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	9	5.53
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	1	5.52
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	1	5.52
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	1	5.52
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	1	5.52
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	1	5.52
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	1	5.52
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	4	5.52
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	4	5.52
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	4	5.52
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	6	5.5
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	6	5.5
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	12	5.5
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	12	5.5
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	12	5.5
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	12	5.5
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	12	5.5
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	12	5.5
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	2	5.46
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	2	5.46
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	2	5.46
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	12	5.42
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	12	5.42
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	12	5.42
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	12	5.42
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	12	5.42
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	12	5.42
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	1	5.41
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	1	5.41
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	1	5.41
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	1	5.41
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	1	5.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	1	5.41
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	1	5.41
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	1	5.41
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	1	5.41
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	12	5.4
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	12	5.4
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	12	5.4
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	12	5.4
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	12	5.4
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	12	5.4
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	13	5.38
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	13	5.38
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	13	5.38
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	13	5.38
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	13	5.38
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	13	5.38
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	11	5.36
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	11	5.36
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	11	5.36
(2,638)	1:780:B:ARG:HH21	1:783:B:GLU:OE2	13	5.34
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	13	5.34
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	13	5.34
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	13	5.34
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	7	5.34
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	7	5.34
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	7	5.34
(2,1488)	1:780:A:ARG:HH21	1:783:A:GLU:OE2	15	5.33
(2,1063)	1:780:A:ARG:HH21	1:783:A:GLU:OE2	15	5.33
(2,80)	1:708:A:VAL:HG21	1:714:A:PRO:HA	4	5.33
(2,80)	1:708:A:VAL:HG22	1:714:A:PRO:HA	4	5.33
(2,80)	1:708:A:VAL:HG23	1:714:A:PRO:HA	4	5.33
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	14	5.33
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	14	5.33
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	14	5.33
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	14	5.33
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	14	5.33
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	14	5.33
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	3	5.32
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	3	5.32
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	3	5.32
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	3	5.32
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	3	5.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	3	5.32
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD2	13	5.31
(2,83)	1:709:A:ARG:H	1:714:A:PRO:HD3	13	5.31
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	13	5.28
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	13	5.28
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	13	5.28
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	13	5.28
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	13	5.28
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	13	5.28
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	13	5.28
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	13	5.28
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	13	5.28
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	14	5.28
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	14	5.28
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	6	5.27
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	6	5.27
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	6	5.27
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	6	5.27
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	6	5.27
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	6	5.27
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	6	5.27
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	6	5.27
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	6	5.27
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	15	5.24
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	9	5.23
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	9	5.23
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	9	5.23
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	9	5.23
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	9	5.23
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	9	5.23
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	11	5.2
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	11	5.2
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	11	5.2
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	11	5.2
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	11	5.2
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	11	5.2
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	11	5.2
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	11	5.2
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	11	5.2
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	14	5.18
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	14	5.18
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	14	5.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,638)	1:780:B:ARG:HH21	1:783:B:GLU:OE2	11	5.14
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	5	5.14
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	5	5.14
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	5	5.14
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	5	5.14
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	5	5.14
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	5	5.14
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	9	5.13
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	9	5.13
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	9	5.13
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	9	5.13
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	9	5.13
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	9	5.13
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	11	5.12
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	11	5.12
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	11	5.12
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	11	5.12
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	11	5.12
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	11	5.12
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	8	5.06
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	8	5.06
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	8	5.06
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	8	5.06
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	8	5.06
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	8	5.06
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	13	5.03
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	13	5.03
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	13	5.03
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	13	5.03
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	13	5.03
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	13	5.03
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	13	5.03
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	13	5.03
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	13	5.03
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	3	5.03
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	3	5.03
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	3	5.03
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	3	5.03
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	3	5.03
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	3	5.03
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	13	5.03
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	13	5.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	13	5.03
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	13	5.03
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	13	5.03
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	13	5.03
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	4	5.02
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	4	5.02
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	4	5.02
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	3	5.0
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	3	5.0
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	3	5.0
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	3	5.0
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	3	5.0
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	3	5.0
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	3	5.0
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	3	5.0
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	3	5.0
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	2	4.99
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	2	4.99
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	2	4.99
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	2	4.99
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	2	4.99
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	2	4.99
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	6	4.98
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	6	4.98
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	6	4.98
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	6	4.98
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	6	4.98
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	6	4.98
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	4	4.97
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	4	4.97
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	4	4.97
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	4	4.97
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	4	4.97
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	4	4.97
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	4	4.97
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	4	4.97
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	4	4.97
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	8	4.97
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	8	4.97
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD2	4	4.96
(2,77)	1:708:A:VAL:HG21	1:714:A:PRO:HD3	4	4.96
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD2	4	4.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,77)	1:708:A:VAL:HG22	1:714:A:PRO:HD3	4	4.96
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD2	4	4.96
(2,77)	1:708:A:VAL:HG23	1:714:A:PRO:HD3	4	4.96
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	12	4.96
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	12	4.96
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	12	4.96
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	12	4.96
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	12	4.96
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	12	4.96
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	12	4.95
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	12	4.95
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	12	4.95
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	12	4.95
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	12	4.95
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	12	4.95
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	8	4.92
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	8	4.92
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	8	4.92
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	8	4.92
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	8	4.92
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	8	4.92
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	14	4.92
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	14	4.92
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	14	4.92
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	14	4.92
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	14	4.92
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	14	4.92
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	14	4.91
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	14	4.91
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	14	4.91
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	14	4.91
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	14	4.91
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	14	4.91
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	14	4.91
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	14	4.91
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	14	4.91
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	13	4.91
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	13	4.91
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	13	4.91
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	2	4.91
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	2	4.91
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	2	4.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	2	4.91
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	2	4.91
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	2	4.91
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	2	4.91
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	2	4.91
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	2	4.91
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	1	4.9
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	1	4.9
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	1	4.9
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	12	4.9
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	12	4.9
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	12	4.9
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	10	4.89
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	10	4.89
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	10	4.89
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	10	4.89
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	10	4.89
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	10	4.89
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	10	4.89
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	10	4.89
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	10	4.89
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	10	4.89
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	10	4.89
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	10	4.89
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	10	4.89
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	10	4.89
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	10	4.89
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	12	4.88
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	12	4.88
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	12	4.88
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	12	4.88
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	12	4.88
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	12	4.88
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	12	4.88
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	12	4.88
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	12	4.88
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	14	4.88
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	14	4.88
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	14	4.88
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	14	4.88
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	14	4.88
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	14	4.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	14	4.88
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	14	4.88
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	14	4.88
(2,1488)	1:780:A:ARG:HH21	1:783:A:GLU:OE2	2	4.86
(2,1063)	1:780:A:ARG:HH21	1:783:A:GLU:OE2	2	4.86
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	10	4.86
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	10	4.86
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	10	4.86
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	1	4.86
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	1	4.86
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	1	4.86
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	1	4.86
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	1	4.86
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	1	4.86
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	8	4.86
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	8	4.86
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	8	4.86
(2,1488)	1:780:A:ARG:HH11	1:783:A:GLU:OE1	1	4.85
(2,1063)	1:780:A:ARG:HH11	1:783:A:GLU:OE1	1	4.85
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	5	4.85
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	5	4.85
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	5	4.85
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	5	4.85
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	5	4.85
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	5	4.85
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	5	4.85
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	5	4.85
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	5	4.85
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	5	4.85
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	5	4.85
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	5	4.85
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	5	4.85
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	5	4.85
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	5	4.85
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	5	4.85
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	5	4.85
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	5	4.85
(2,635)	1:744:B:ARG:HH11	1:741:B:ASP:OD2	7	4.83
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	4	4.83
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	4	4.83
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	4	4.83
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	4	4.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	4	4.83
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	4	4.83
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	4	4.83
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	4	4.83
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	4	4.83
(2,635)	1:744:B:ARG:HH11	1:741:B:ASP:OD1	10	4.82
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	7	4.81
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	7	4.81
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	7	4.81
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	7	4.81
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	7	4.81
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	7	4.81
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	6	4.79
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	6	4.79
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	6	4.79
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD2	5	4.77
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD2	5	4.77
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	8	4.77
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	8	4.77
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	8	4.77
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	14	4.74
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	14	4.74
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	14	4.74
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	14	4.74
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	14	4.74
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	14	4.74
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	14	4.73
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	14	4.73
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	14	4.73
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	9	4.7
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	9	4.7
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	9	4.7
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	9	4.7
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	9	4.7
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	9	4.7
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	9	4.68
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	9	4.68
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	9	4.68
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	9	4.68
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	9	4.68
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	9	4.68
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	9	4.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	9	4.68
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	9	4.68
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	11	4.66
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	11	4.66
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	11	4.66
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	1	4.63
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	1	4.63
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	1	4.63
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	1	4.63
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	1	4.63
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	1	4.63
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	1	4.63
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	1	4.63
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	1	4.63
(2,638)	1:780:B:ARG:HH21	1:783:B:GLU:OE2	8	4.62
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	7	4.61
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	7	4.61
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	7	4.61
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	15	4.59
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	15	4.59
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	15	4.59
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	2	4.57
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	2	4.57
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	2	4.57
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	2	4.57
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	2	4.57
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	2	4.57
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	2	4.57
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	2	4.57
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	2	4.57
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA2	11	4.57
(2,57)	1:696:A:ARG:HE	1:694:B:GLY:HA3	11	4.57
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	15	4.57
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	15	4.57
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	15	4.57
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	15	4.57
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	15	4.57
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	15	4.57
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	5	4.56
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	5	4.56
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	5	4.56
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	11	4.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	11	4.56
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	11	4.56
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	11	4.56
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	11	4.56
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	11	4.56
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	11	4.56
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	11	4.56
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	11	4.56
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	8	4.55
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	8	4.55
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	8	4.55
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	8	4.55
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	8	4.55
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	8	4.55
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	8	4.55
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	8	4.55
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	8	4.55
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	4	4.54
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	4	4.54
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	4	4.54
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	6	4.53
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	6	4.53
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	6	4.53
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	2	4.5
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	2	4.5
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	2	4.5
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	1	4.48
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	1	4.48
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	1	4.48
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	11	4.47
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	11	4.47
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	11	4.47
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	3	4.47
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	3	4.47
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	3	4.47
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	3	4.47
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	3	4.47
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	3	4.47
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	3	4.47
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	3	4.47
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	3	4.47
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	9	4.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	9	4.43
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	10	4.38
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	10	4.38
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	10	4.38
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	10	4.37
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	10	4.37
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	10	4.37
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	10	4.37
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	10	4.37
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	10	4.37
(2,638)	1:780:B:ARG:HH21	1:783:B:GLU:OE2	7	4.34
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	12	4.33
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	12	4.33
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	12	4.33
(2,636)	1:761:B:ARG:HH11	1:758:B:ASP:OD2	15	4.32
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	7	4.31
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	7	4.31
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	7	4.31
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	11	4.3
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	11	4.3
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	11	4.3
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	11	4.3
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	11	4.3
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	11	4.3
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	12	4.28
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	12	4.28
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	2	4.26
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	2	4.26
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	2	4.26
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	8	4.25
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	8	4.25
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	8	4.25
(2,634)	1:740:B:ARG:HH11	1:743:B:ASP:OD1	14	4.24
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD2	5	4.23
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	9	4.23
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	9	4.23
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	9	4.23
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	9	4.23
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	9	4.23
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	9	4.23
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	6	4.22
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	6	4.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	6	4.22
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	6	4.22
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	6	4.22
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	6	4.22
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	12	4.21
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	12	4.21
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	12	4.21
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	12	4.21
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	12	4.21
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	12	4.21
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	13	4.2
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	13	4.2
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	13	4.2
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	13	4.19
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	14	4.18
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	14	4.18
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	14	4.18
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	3	4.15
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	3	4.15
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	3	4.15
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	4	4.15
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	4	4.15
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	4	4.15
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	4	4.15
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	4	4.15
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	4	4.15
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	12	4.15
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	12	4.15
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	12	4.15
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	9	4.14
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	9	4.14
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	9	4.14
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	9	4.14
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	9	4.14
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	9	4.14
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD2	11	4.12
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	8	4.11
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	8	4.11
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	8	4.11
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	8	4.11
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	8	4.11
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	8	4.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	6	4.11
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	6	4.11
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	6	4.11
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	6	4.11
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	6	4.11
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	6	4.11
(2,39)	1:692:A:LEU:HD21	1:694:B:GLY:H	8	4.1
(2,39)	1:692:A:LEU:HD22	1:694:B:GLY:H	8	4.1
(2,39)	1:692:A:LEU:HD23	1:694:B:GLY:H	8	4.1
(2,1484)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	10	4.09
(2,1059)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	10	4.09
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	3	4.06
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	3	4.06
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	3	4.06
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	3	4.06
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	3	4.06
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	3	4.06
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	15	4.06
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	15	4.06
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	15	4.06
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	15	4.06
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	15	4.06
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	15	4.06
(2,638)	1:780:B:ARG:HH11	1:783:B:GLU:OE1	6	4.05
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	15	4.04
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	15	4.04
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	15	4.04
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	15	4.04
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	15	4.04
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	15	4.04
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	4	4.03
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	4	4.03
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	4	4.03
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	4	4.03
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	4	4.03
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	4	4.03
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	4	4.03
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	4	4.03
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	4	4.03
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	4	4.03
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	4	4.03
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	4	4.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	13	4.01
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	13	4.01
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	13	4.01
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	13	4.01
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	13	4.01
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	13	4.01
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	7	4.0
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	7	4.0
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	7	4.0
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	7	4.0
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	7	4.0
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	7	4.0
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	7	4.0
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	7	4.0
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	7	4.0
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	15	4.0
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	15	4.0
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	15	4.0
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	15	4.0
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	15	4.0
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	15	4.0
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	15	4.0
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	15	4.0
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	15	4.0
(2,1487)	1:770:A:ARG:HH11	1:773:A:ASP:OD2	3	3.98
(2,1062)	1:770:A:ARG:HH11	1:773:A:ASP:OD2	3	3.98
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	3	3.98
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	3	3.98
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	3	3.98
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	5	3.98
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	5	3.98
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	7	3.97
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	7	3.97
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	7	3.97
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	7	3.97
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	7	3.97
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	7	3.97
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	9	3.95
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	9	3.95
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	9	3.95
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	13	3.92
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	13	3.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	13	3.92
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	9	3.91
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	9	3.91
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	9	3.91
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	1	3.91
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	1	3.91
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	1	3.91
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD2	15	3.9
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	5	3.9
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	5	3.9
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	5	3.9
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	5	3.9
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	5	3.9
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	5	3.9
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	15	3.89
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	15	3.89
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	15	3.89
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	3	3.88
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	3	3.88
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	3	3.88
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	3	3.88
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	3	3.88
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	3	3.88
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	2	3.88
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	2	3.88
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	2	3.88
(2,1488)	1:780:A:ARG:HH21	1:783:A:GLU:OE1	7	3.86
(2,1063)	1:780:A:ARG:HH21	1:783:A:GLU:OE1	7	3.86
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	5	3.86
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	5	3.86
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	5	3.86
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	2	3.85
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	2	3.85
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	2	3.85
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	2	3.85
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	2	3.85
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	2	3.85
(2,1485)	1:744:A:ARG:HH11	1:741:A:ASP:OD2	8	3.84
(2,1060)	1:744:A:ARG:HH11	1:741:A:ASP:OD2	8	3.84
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	3	3.84
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	3	3.84
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	3	3.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	3	3.84
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	3	3.84
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	3	3.84
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	8	3.82
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	8	3.82
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	8	3.82
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	8	3.82
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	8	3.82
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	8	3.82
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	6	3.81
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	6	3.81
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	6	3.81
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	6	3.81
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	6	3.81
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	6	3.81
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	6	3.81
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	6	3.81
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	6	3.81
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	7	3.8
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	7	3.8
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	7	3.8
(2,1488)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	6	3.79
(2,1063)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	6	3.79
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	5	3.79
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	5	3.79
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	5	3.79
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	5	3.79
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	5	3.79
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	5	3.79
(2,634)	1:740:B:ARG:HH11	1:743:B:ASP:OD1	9	3.78
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	15	3.78
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	15	3.78
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	15	3.78
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	15	3.78
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	15	3.78
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	15	3.78
(2,1484)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	3	3.77
(2,1059)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	3	3.77
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	6	3.76
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	6	3.76
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	6	3.76
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	6	3.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	6	3.76
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	6	3.76
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	2	3.76
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	2	3.76
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	4	3.75
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	4	3.75
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	4	3.75
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	4	3.75
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	4	3.75
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	4	3.75
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	6	3.75
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	6	3.75
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	8	3.74
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	2	3.74
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	2	3.74
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	2	3.74
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	2	3.74
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	2	3.74
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	2	3.74
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	10	3.74
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	10	3.74
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	10	3.74
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	10	3.74
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	10	3.74
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	10	3.74
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	10	3.73
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	10	3.73
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	10	3.73
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	10	3.73
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	10	3.73
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	10	3.73
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	13	3.73
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	13	3.73
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	9	3.72
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	9	3.72
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	9	3.72
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	9	3.72
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	9	3.72
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	9	3.72
(2,634)	1:740:B:ARG:HH11	1:743:B:ASP:OD2	2	3.71
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	10	3.69
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	10	3.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	10	3.69
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	10	3.69
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	10	3.69
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	10	3.69
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	14	3.69
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	14	3.69
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	14	3.69
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	14	3.69
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	14	3.69
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	14	3.69
(2,2)	1:661:A:LEU:HD11	1:680:A:TRP:HE1	11	3.68
(2,2)	1:661:A:LEU:HD12	1:680:A:TRP:HE1	11	3.68
(2,2)	1:661:A:LEU:HD13	1:680:A:TRP:HE1	11	3.68
(2,2)	1:661:A:LEU:HD21	1:680:A:TRP:HE1	11	3.68
(2,2)	1:661:A:LEU:HD22	1:680:A:TRP:HE1	11	3.68
(2,2)	1:661:A:LEU:HD23	1:680:A:TRP:HE1	11	3.68
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	8	3.67
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	8	3.67
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	8	3.67
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	8	3.67
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	8	3.67
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	8	3.67
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	8	3.67
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	8	3.67
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	8	3.67
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	14	3.65
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	14	3.65
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	14	3.65
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	14	3.65
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	14	3.65
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	14	3.65
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	15	3.65
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	15	3.65
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	15	3.65
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	4	3.63
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	4	3.63
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	4	3.63
(2,637)	1:770:B:ARG:HH11	1:773:B:ASP:OD2	15	3.62
(2,1484)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	5	3.61
(2,1059)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	5	3.61
(2,636)	1:761:B:ARG:HH22	1:758:B:ASP:OD2	3	3.61
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD21	8	3.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD22	8	3.6
(2,49)	1:694:B:GLY:H	1:692:A:LEU:HD23	8	3.6
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	3	3.6
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	3	3.6
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	3	3.6
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	3	3.6
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	3	3.6
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	3	3.6
(2,1488)	1:780:A:ARG:HH21	1:783:A:GLU:OE1	8	3.58
(2,1063)	1:780:A:ARG:HH21	1:783:A:GLU:OE1	8	3.58
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	4	3.58
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	4	3.58
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	4	3.57
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	4	3.57
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	4	3.57
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	4	3.57
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	4	3.57
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	4	3.57
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	2	3.56
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	2	3.56
(2,1488)	1:780:A:ARG:HH21	1:783:A:GLU:OE2	3	3.54
(2,1063)	1:780:A:ARG:HH21	1:783:A:GLU:OE2	3	3.54
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	5	3.54
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	5	3.54
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	5	3.54
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	6	3.53
(2,634)	1:740:B:ARG:HH11	1:743:B:ASP:OD2	13	3.52
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG21	4	3.52
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG22	4	3.52
(2,88)	1:713:A:SER:H	1:708:A:VAL:HG23	4	3.52
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	11	3.51
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	11	3.51
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	11	3.51
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB2	6	3.5
(2,67)	1:704:B:LEU:HD21	1:706:A:ASN:HB3	6	3.5
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB2	6	3.5
(2,67)	1:704:B:LEU:HD22	1:706:A:ASN:HB3	6	3.5
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB2	6	3.5
(2,67)	1:704:B:LEU:HD23	1:706:A:ASN:HB3	6	3.5
(2,1488)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	13	3.49
(2,1063)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	13	3.49
(2,1484)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	9	3.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1059)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	9	3.48
(2,634)	1:740:B:ARG:HH11	1:743:B:ASP:OD1	10	3.48
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	14	3.48
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	14	3.48
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	14	3.48
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	14	3.48
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	14	3.48
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	14	3.48
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	2	3.48
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	2	3.48
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	2	3.48
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	2	3.48
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	2	3.48
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	2	3.48
(2,1484)	1:740:A:ARG:HH21	1:743:A:ASP:OD2	15	3.47
(2,1059)	1:740:A:ARG:HH21	1:743:A:ASP:OD2	15	3.47
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	15	3.47
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	15	3.47
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	15	3.47
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	14	3.46
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	14	3.46
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	14	3.46
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	3	3.46
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	3	3.46
(2,1484)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	14	3.43
(2,1059)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	14	3.43
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD2	11	3.43
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	10	3.42
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	10	3.42
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	10	3.42
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	10	3.42
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	10	3.42
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	10	3.42
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	6	3.41
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	6	3.41
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	6	3.41
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	6	3.41
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	6	3.41
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	6	3.41
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	9	3.41
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	9	3.41
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	9	3.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	9	3.41
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	9	3.41
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	9	3.41
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	5	3.39
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	5	3.39
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	5	3.39
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	5	3.39
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	5	3.39
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	5	3.39
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	7	3.39
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	7	3.39
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	7	3.39
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	7	3.39
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	7	3.39
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	7	3.39
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	5	3.38
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	5	3.38
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	5	3.38
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	5	3.38
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	5	3.38
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	5	3.38
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	1	3.38
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	1	3.38
(2,634)	1:740:B:ARG:HH11	1:743:B:ASP:OD1	6	3.36
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	12	3.35
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	12	3.35
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	8	3.35
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	8	3.35
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	8	3.35
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB1	7	3.34
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB2	7	3.34
(2,66)	1:702:A:LEU:HD21	1:700:B:ALA:HB3	7	3.34
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB1	7	3.34
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB2	7	3.34
(2,66)	1:702:A:LEU:HD22	1:700:B:ALA:HB3	7	3.34
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB1	7	3.34
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB2	7	3.34
(2,66)	1:702:A:LEU:HD23	1:700:B:ALA:HB3	7	3.34
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG21	10	3.33
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG22	10	3.33
(2,31)	1:687:B:ILE:HG21	1:689:A:VAL:HG23	10	3.33
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG21	10	3.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG22	10	3.33
(2,31)	1:687:B:ILE:HG22	1:689:A:VAL:HG23	10	3.33
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG21	10	3.33
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG22	10	3.33
(2,31)	1:687:B:ILE:HG23	1:689:A:VAL:HG23	10	3.33
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD2	8	3.32
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	12	3.32
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	12	3.32
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	12	3.32
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	12	3.31
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	12	3.31
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	12	3.31
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	12	3.31
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	12	3.31
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	12	3.31
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	9	3.3
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	9	3.3
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	9	3.3
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	9	3.3
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	9	3.3
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	9	3.3
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	1	3.3
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	1	3.3
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	1	3.3
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	1	3.3
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	1	3.3
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	1	3.3
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	13	3.27
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	13	3.27
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	13	3.27
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	13	3.27
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	13	3.27
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	13	3.27
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD2	8	3.26
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	2	3.26
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	2	3.26
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	2	3.26
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	2	3.26
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	2	3.26
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	2	3.26
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	15	3.26
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	15	3.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	12	3.24
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	12	3.24
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	9	3.24
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	9	3.24
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	9	3.24
(2,1485)	1:744:A:ARG:HH11	1:741:A:ASP:OD1	7	3.23
(2,1060)	1:744:A:ARG:HH11	1:741:A:ASP:OD1	7	3.23
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	8	3.22
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	8	3.22
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	8	3.22
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	8	3.22
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	8	3.22
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	8	3.22
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	11	3.21
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	11	3.21
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	11	3.21
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	11	3.21
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	11	3.21
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	11	3.21
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	7	3.21
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	7	3.21
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	7	3.21
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	7	3.21
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	7	3.21
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	7	3.21
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	8	3.2
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	8	3.2
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	8	3.2
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	8	3.2
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	8	3.2
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	8	3.2
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	7	3.19
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	7	3.19
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	7	3.19
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	7	3.19
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	7	3.19
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	7	3.19
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	3	3.18
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	3	3.18
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	3	3.18
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	3	3.18
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	3	3.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	3	3.18
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	15	3.18
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	15	3.18
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	15	3.18
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD2	9	3.17
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD1	10	3.17
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	10	3.17
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	10	3.17
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	15	3.15
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	15	3.15
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	15	3.15
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	15	3.15
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	15	3.15
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	15	3.15
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	15	3.14
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	15	3.14
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	15	3.14
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	15	3.14
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	15	3.14
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	15	3.14
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	2	3.12
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	13	3.11
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	13	3.11
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	13	3.11
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	13	3.11
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	13	3.11
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	13	3.11
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	11	3.11
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	11	3.11
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	11	3.11
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	11	3.11
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	11	3.11
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	11	3.11
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD2	11	3.1
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	15	3.1
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	15	3.1
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	15	3.1
(2,1484)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	8	3.08
(2,1059)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	8	3.08
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	12	3.08
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	12	3.08
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	12	3.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	2	3.08
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	2	3.08
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	10	3.06
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	10	3.06
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	10	3.06
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	10	3.06
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	10	3.06
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	10	3.06
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	7	3.05
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	7	3.05
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	7	3.05
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	13	3.02
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	13	3.02
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	13	3.02
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	13	3.02
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	13	3.02
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	13	3.02
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	1	3.01
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	1	3.01
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	1	3.01
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	1	3.01
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	1	3.01
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	1	3.01
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	13	3.01
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	13	3.01
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	15	3.0
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	15	3.0
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	15	3.0
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	15	3.0
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	15	3.0
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	15	3.0
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	15	3.0
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	15	3.0
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	15	3.0
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	9	2.99
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	9	2.99
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	9	2.99
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	9	2.99
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	9	2.99
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	9	2.99
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	9	2.99
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	9	2.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	9	2.99
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	12	2.99
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	12	2.99
(2,1487)	1:770:A:ARG:HH11	1:773:A:ASP:OD1	8	2.98
(2,1062)	1:770:A:ARG:HH11	1:773:A:ASP:OD1	8	2.98
(2,1488)	1:780:A:ARG:HH11	1:783:A:GLU:OE1	5	2.97
(2,1063)	1:780:A:ARG:HH11	1:783:A:GLU:OE1	5	2.97
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	3	2.97
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	3	2.97
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	3	2.97
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	3	2.97
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	3	2.97
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	3	2.97
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB2	1	2.97
(2,61)	1:700:B:ALA:HB1	1:702:A:LEU:HB3	1	2.97
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB2	1	2.97
(2,61)	1:700:B:ALA:HB2	1:702:A:LEU:HB3	1	2.97
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB2	1	2.97
(2,61)	1:700:B:ALA:HB3	1:702:A:LEU:HB3	1	2.97
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	1	2.97
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	1	2.97
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	1	2.97
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	1	2.97
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	1	2.97
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	1	2.97
(2,1487)	1:770:A:ARG:HH11	1:773:A:ASP:OD1	7	2.96
(2,1062)	1:770:A:ARG:HH11	1:773:A:ASP:OD1	7	2.96
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	15	2.94
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	15	2.94
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	15	2.94
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	15	2.94
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	15	2.94
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	15	2.94
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	1	2.94
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	1	2.94
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	1	2.94
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	1	2.94
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	1	2.94
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	1	2.94
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	1	2.94
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	1	2.94
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	1	2.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	10	2.93
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	10	2.93
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	10	2.93
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	10	2.93
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	10	2.93
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	10	2.93
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	14	2.92
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	14	2.92
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	14	2.92
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	14	2.92
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	14	2.92
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	14	2.92
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	11	2.92
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	11	2.92
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	11	2.92
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	11	2.92
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	11	2.92
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	11	2.92
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	12	2.91
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	12	2.91
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	12	2.91
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	12	2.91
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	12	2.91
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	12	2.91
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	7	2.91
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	7	2.91
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	7	2.91
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	7	2.91
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	7	2.91
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	7	2.91
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	2	2.91
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	2	2.91
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	15	2.89
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	15	2.89
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	15	2.89
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	15	2.89
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	15	2.89
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	15	2.89
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD2	3	2.86
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	5	2.86
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	5	2.86
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	13	2.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	13	2.86
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	13	2.86
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	7	2.86
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	7	2.86
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	13	2.84
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	13	2.84
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	13	2.84
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	13	2.84
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	13	2.84
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	13	2.84
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	3	2.84
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	3	2.84
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	3	2.84
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	3	2.84
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	3	2.84
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	3	2.84
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	4	2.83
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	4	2.83
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	4	2.83
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	4	2.83
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	4	2.83
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	4	2.83
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	2	2.82
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	2	2.82
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	2	2.82
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	2	2.82
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	2	2.82
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	2	2.82
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH21	6	2.82
(2,46)	1:693:B:ILE:HD11	1:696:A:ARG:HH22	6	2.82
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH21	6	2.82
(2,46)	1:693:B:ILE:HD12	1:696:A:ARG:HH22	6	2.82
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH21	6	2.82
(2,46)	1:693:B:ILE:HD13	1:696:A:ARG:HH22	6	2.82
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	14	2.82
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	14	2.82
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	6	2.81
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	6	2.81
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	6	2.81
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	6	2.81
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	6	2.81
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	6	2.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:661:A:LEU:HD11	1:680:B:TRP:HE1	4	2.81
(2,3)	1:661:A:LEU:HD12	1:680:B:TRP:HE1	4	2.81
(2,3)	1:661:A:LEU:HD13	1:680:B:TRP:HE1	4	2.81
(2,3)	1:661:A:LEU:HD21	1:680:B:TRP:HE1	4	2.81
(2,3)	1:661:A:LEU:HD22	1:680:B:TRP:HE1	4	2.81
(2,3)	1:661:A:LEU:HD23	1:680:B:TRP:HE1	4	2.81
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	8	2.79
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	8	2.79
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	8	2.79
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	8	2.79
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	8	2.79
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	8	2.79
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	5	2.78
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	5	2.78
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	5	2.78
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	5	2.78
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	5	2.78
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	5	2.78
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	11	2.77
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	11	2.77
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	11	2.77
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	11	2.77
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	11	2.77
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	11	2.77
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	6	2.77
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	6	2.77
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	6	2.77
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	6	2.77
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	6	2.77
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	6	2.77
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	6	2.77
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	6	2.77
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	6	2.77
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	11	2.77
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	11	2.77
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	4	2.76
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	4	2.76
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	4	2.76
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	4	2.76
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	4	2.76
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	4	2.76
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	4	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	4	2.75
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	4	2.75
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	4	2.75
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	4	2.75
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	4	2.75
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	4	2.75
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	4	2.75
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	4	2.75
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	11	2.74
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	11	2.74
(2,1485)	1:744:A:ARG:HH11	1:741:A:ASP:OD2	4	2.73
(2,1060)	1:744:A:ARG:HH11	1:741:A:ASP:OD2	4	2.73
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	14	2.73
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	14	2.73
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	14	2.73
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD1	4	2.72
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	13	2.72
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	13	2.72
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	13	2.72
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	13	2.72
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	13	2.72
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	13	2.72
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	9	2.72
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	9	2.72
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	9	2.72
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	9	2.72
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	9	2.72
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	9	2.72
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	15	2.72
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	15	2.72
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	10	2.71
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	10	2.71
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	10	2.71
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	3	2.71
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	3	2.71
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	9	2.7
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	9	2.7
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	9	2.7
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	9	2.7
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	9	2.7
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	9	2.7
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	6	2.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	6	2.7
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	6	2.7
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	6	2.7
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	6	2.7
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	6	2.7
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	7	2.68
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	7	2.68
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD2	3	2.67
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD2	3	2.67
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	10	2.64
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	10	2.64
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	10	2.64
(2,1486)	1:761:A:ARG:HH22	1:758:A:ASP:OD1	13	2.6
(2,1061)	1:761:A:ARG:HH22	1:758:A:ASP:OD1	13	2.6
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	5	2.6
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	5	2.6
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	2	2.58
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	2	2.58
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	2	2.58
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	2	2.58
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	2	2.58
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	2	2.58
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	2	2.58
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	2	2.58
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	2	2.58
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	10	2.58
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	10	2.58
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	10	2.58
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	10	2.58
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	10	2.58
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	10	2.58
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	10	2.58
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	10	2.58
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	10	2.58
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	4	2.58
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	4	2.58
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	7	2.57
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	7	2.57
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	7	2.57
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	6	2.56
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	6	2.56
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	15	2.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	15	2.56
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	14	2.56
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	14	2.56
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	12	2.55
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	12	2.55
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	12	2.55
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	12	2.55
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	12	2.55
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	12	2.55
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	4	2.53
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	4	2.53
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	4	2.53
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	13	2.53
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	13	2.53
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	2	2.52
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	2	2.52
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	2	2.52
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	2	2.52
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	2	2.52
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	2	2.52
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	4	2.5
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	4	2.5
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	4	2.5
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	7	2.5
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	7	2.5
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	3	2.48
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	3	2.48
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	3	2.48
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	3	2.48
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	3	2.48
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	3	2.48
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	3	2.48
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	3	2.48
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	3	2.48
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	14	2.48
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	14	2.48
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	14	2.48
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	14	2.48
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	14	2.48
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	14	2.48
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	14	2.48
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	14	2.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	14	2.48
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	11	2.48
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	11	2.48
(2,1487)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	1	2.47
(2,1062)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	1	2.47
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	14	2.47
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	14	2.47
(2,1487)	1:770:A:ARG:HH21	1:773:A:ASP:OD2	13	2.45
(2,1062)	1:770:A:ARG:HH21	1:773:A:ASP:OD2	13	2.45
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	14	2.44
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	14	2.44
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	14	2.44
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	14	2.44
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	14	2.44
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	14	2.44
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	1	2.44
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	1	2.44
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	11	2.43
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	11	2.43
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	11	2.43
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	11	2.43
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	11	2.43
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	11	2.43
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	11	2.43
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	11	2.43
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	11	2.43
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	2	2.43
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	2	2.43
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	2	2.43
(2,1487)	1:770:A:ARG:HH11	1:773:A:ASP:OD2	15	2.42
(2,1062)	1:770:A:ARG:HH11	1:773:A:ASP:OD2	15	2.42
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	2	2.42
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	2	2.42
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	2	2.42
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	12	2.41
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	12	2.41
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	12	2.41
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	12	2.41
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	12	2.41
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	12	2.41
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	12	2.41
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	12	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	12	2.41
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	5	2.4
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	5	2.4
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	5	2.4
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	5	2.4
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	5	2.4
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	5	2.4
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	5	2.4
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	5	2.4
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	5	2.4
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	3	2.39
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	3	2.39
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	3	2.39
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE1	7	2.38
(2,73)	1:708:B:VAL:HG21	1:712:A:TYR:HE2	7	2.38
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE1	7	2.38
(2,73)	1:708:B:VAL:HG22	1:712:A:TYR:HE2	7	2.38
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE1	7	2.38
(2,73)	1:708:B:VAL:HG23	1:712:A:TYR:HE2	7	2.38
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD1	3	2.38
(2,58)	1:700:B:ALA:HB1	1:699:A:PHE:HD2	3	2.38
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD1	3	2.38
(2,58)	1:700:B:ALA:HB2	1:699:A:PHE:HD2	3	2.38
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD1	3	2.38
(2,58)	1:700:B:ALA:HB3	1:699:A:PHE:HD2	3	2.38
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD11	6	2.38
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD12	6	2.38
(2,54)	1:696:A:ARG:H	1:693:B:ILE:HD13	6	2.38
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	14	2.37
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	14	2.37
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	14	2.37
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	14	2.37
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	14	2.37
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	14	2.37
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	13	2.36
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	13	2.36
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	13	2.36
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	13	2.36
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	13	2.36
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	13	2.36
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	13	2.34
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	13	2.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	13	2.34
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	13	2.34
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	13	2.34
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	13	2.34
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	13	2.34
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	13	2.34
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	13	2.34
(2,1488)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	10	2.32
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD2	14	2.32
(2,1063)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	10	2.32
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD2	14	2.32
(2,636)	1:761:B:ARG:HH12	1:758:B:ASP:OD2	12	2.32
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	1	2.32
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	1	2.32
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	1	2.32
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	8	2.31
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	8	2.31
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	3	2.31
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	3	2.31
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	3	2.31
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	15	2.29
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	15	2.29
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	15	2.29
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	15	2.29
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	15	2.29
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	15	2.29
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	9	2.27
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	9	2.27
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD1	2	2.26
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	10	2.22
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	10	2.22
(2,1487)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	14	2.21
(2,1062)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	14	2.21
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	1	2.21
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	1	2.21
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	1	2.21
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	1	2.21
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	1	2.21
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	1	2.21
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	8	2.21
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	8	2.21
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	11	2.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	11	2.16
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	11	2.16
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	11	2.16
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	11	2.16
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	11	2.16
(2,1484)	1:740:A:ARG:HH21	1:743:A:ASP:OD2	1	2.15
(2,1059)	1:740:A:ARG:HH21	1:743:A:ASP:OD2	1	2.15
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	15	2.15
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	15	2.15
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	15	2.15
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD2	7	2.12
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	8	2.12
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	8	2.12
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	8	2.12
(2,1487)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	11	2.1
(2,1062)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	11	2.1
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	8	2.1
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	8	2.1
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	8	2.1
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	8	2.1
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	8	2.1
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	8	2.1
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	8	2.1
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	8	2.1
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	8	2.1
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	9	2.1
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	9	2.1
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB2	15	2.1
(2,8)	1:664:A:ASP:H	1:660:A:LEU:HB3	15	2.1
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	7	2.08
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	7	2.08
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	7	2.08
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	7	2.08
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	7	2.08
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	7	2.08
(2,638)	1:780:B:ARG:HH11	1:783:B:GLU:OE2	12	2.06
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	4	2.06
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	4	2.06
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	13	2.06
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	13	2.06
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	13	2.06
(2,1488)	1:780:A:ARG:HH11	1:783:A:GLU:OE1	12	2.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1063)	1:780:A:ARG:HH11	1:783:A:GLU:OE1	12	2.05
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	3	2.03
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	3	2.03
(2,638)	1:780:B:ARG:HH11	1:783:B:GLU:OE2	9	2.02
(2,636)	1:761:B:ARG:HH11	1:758:B:ASP:OD2	7	2.02
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	8	2.02
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	8	2.02
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	8	2.02
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	8	2.02
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	8	2.02
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	8	2.02
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	6	2.02
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	6	2.02
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	6	2.02
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	5	2.02
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	5	2.02
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	5	2.02
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	6	2.0
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	6	2.0
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	6	2.0
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	14	1.99
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	14	1.99
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	14	1.99
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	12	1.98
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	12	1.98
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	12	1.98
(2,634)	1:740:B:ARG:HH21	1:743:B:ASP:OD2	4	1.97
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	4	1.97
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	4	1.97
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	4	1.97
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	4	1.97
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	4	1.97
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	4	1.97
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	12	1.97
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	12	1.97
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	12	1.97
(2,638)	1:780:B:ARG:HH22	1:783:B:GLU:OE1	4	1.96
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	3	1.96
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	3	1.96
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	3	1.96
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	3	1.96
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	3	1.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	3	1.96
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	5	1.94
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	5	1.94
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	5	1.94
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	5	1.94
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	5	1.94
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	5	1.94
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	4	1.94
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	4	1.94
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	4	1.94
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	3	1.93
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	3	1.93
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	3	1.93
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	5	1.93
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	5	1.93
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	5	1.93
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	13	1.92
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	13	1.92
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	13	1.92
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	13	1.92
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	13	1.92
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	9	1.91
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	9	1.91
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	9	1.91
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	12	1.9
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	12	1.9
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	12	1.9
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	12	1.9
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	12	1.9
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	12	1.9
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	6	1.9
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	6	1.9
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	6	1.9
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB2	5	1.89
(2,71)	1:708:A:VAL:HG21	1:712:A:TYR:HB3	5	1.89
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB2	5	1.89
(2,71)	1:708:A:VAL:HG22	1:712:A:TYR:HB3	5	1.89
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB2	5	1.89
(2,71)	1:708:A:VAL:HG23	1:712:A:TYR:HB3	5	1.89
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	1	1.89
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	1	1.89
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	1	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	8	1.88
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	8	1.88
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	15	1.87
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	15	1.87
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	1	1.87
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	1	1.87
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	1	1.87
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	1	1.87
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	1	1.87
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	1	1.87
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	11	1.87
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	11	1.87
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	11	1.87
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	12	1.87
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	12	1.87
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	11	1.86
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	11	1.86
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	11	1.86
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	11	1.86
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	11	1.86
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	11	1.86
(2,1484)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	13	1.85
(2,1059)	1:740:A:ARG:HH21	1:743:A:ASP:OD1	13	1.85
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	4	1.82
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	4	1.82
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	4	1.82
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	1	1.82
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	1	1.82
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD2	14	1.81
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	5	1.81
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	5	1.81
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	5	1.81
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	7	1.81
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	7	1.81
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	7	1.81
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	6	1.81
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	6	1.81
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	6	1.81
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	11	1.79
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	11	1.79
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	2	1.78
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	2	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	2	1.78
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	2	1.78
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	2	1.78
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	2	1.78
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD11	9	1.78
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD12	9	1.78
(2,28)	1:687:B:ILE:H	1:686:A:ILE:HD13	9	1.78
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	13	1.78
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	13	1.78
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	13	1.78
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	11	1.77
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	11	1.77
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	11	1.77
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	14	1.74
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	1	1.74
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	1	1.74
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	1	1.74
(2,1484)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	4	1.71
(2,1059)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	4	1.71
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	9	1.71
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	9	1.71
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	9	1.71
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	9	1.71
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	9	1.71
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	9	1.71
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	10	1.71
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	10	1.71
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	10	1.71
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	10	1.71
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	10	1.71
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	10	1.71
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	12	1.71
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	12	1.71
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	2	1.69
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	2	1.69
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	2	1.69
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	9	1.67
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	9	1.67
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	15	1.65
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	15	1.65
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	15	1.65
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	2	1.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	2	1.64
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	2	1.64
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	7	1.6
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	7	1.6
(2,1484)	1:740:A:ARG:HH11	1:743:A:ASP:OD2	2	1.59
(2,1484)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	6	1.59
(2,1059)	1:740:A:ARG:HH11	1:743:A:ASP:OD2	2	1.59
(2,1059)	1:740:A:ARG:HH11	1:743:A:ASP:OD1	6	1.59
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	5	1.58
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	5	1.58
(2,638)	1:780:B:ARG:HH21	1:783:B:GLU:OE2	10	1.58
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	11	1.57
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	11	1.57
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	11	1.57
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	14	1.57
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	14	1.57
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	14	1.57
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	6	1.55
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	6	1.55
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	6	1.55
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	6	1.55
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	6	1.55
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	6	1.55
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	2	1.54
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	2	1.54
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	2	1.54
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	2	1.54
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	2	1.54
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	2	1.54
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD1	5	1.52
(2,1484)	1:740:A:ARG:HH11	1:743:A:ASP:OD2	12	1.51
(2,1059)	1:740:A:ARG:HH11	1:743:A:ASP:OD2	12	1.51
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	8	1.51
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	8	1.51
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	14	1.5
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	14	1.5
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	5	1.5
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	5	1.5
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	5	1.5
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	14	1.49
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	14	1.49
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	14	1.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	5	1.48
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	5	1.48
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	5	1.48
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	5	1.48
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	5	1.48
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	5	1.48
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	5	1.48
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	5	1.48
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	9	1.48
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	9	1.48
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	9	1.48
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	12	1.47
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	12	1.47
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	12	1.47
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	2	1.46
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	2	1.46
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	15	1.46
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	15	1.46
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	15	1.46
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	15	1.46
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	15	1.46
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	15	1.46
(2,1183)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	8	1.44
(2,758)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	8	1.44
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG11	7	1.44
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG12	7	1.44
(2,34)	1:690:B:GLY:H	1:689:A:VAL:HG13	7	1.44
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	11	1.43
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	11	1.43
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	3	1.43
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	3	1.43
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	3	1.43
(2,636)	1:761:B:ARG:HH12	1:758:B:ASP:OD2	4	1.42
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	13	1.42
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	13	1.42
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	13	1.42
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	9	1.41
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	9	1.41
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	9	1.41
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD11	10	1.41
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD12	10	1.41
(2,45)	1:693:A:ILE:H	1:693:B:ILE:HD13	10	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	6	1.4
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	6	1.4
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	6	1.4
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	1	1.39
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	1	1.39
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	1	1.39
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	9	1.38
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	9	1.38
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	9	1.38
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	9	1.38
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	9	1.38
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	9	1.38
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	1	1.37
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD1	1	1.37
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	3	1.37
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	3	1.37
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	3	1.37
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	3	1.37
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	3	1.37
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	3	1.37
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	8	1.37
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	8	1.37
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	8	1.37
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	8	1.37
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	8	1.37
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	8	1.37
(2,1488)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	14	1.36
(2,1063)	1:780:A:ARG:HH11	1:783:A:GLU:OE2	14	1.36
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	4	1.32
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	4	1.32
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	4	1.32
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	5	1.31
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	5	1.31
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	5	1.31
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	7	1.31
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	7	1.31
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	7	1.31
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	12	1.29
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	12	1.29
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	12	1.29
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	12	1.29
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	12	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	12	1.29
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	3	1.27
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	3	1.27
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	11	1.27
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	11	1.27
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	11	1.27
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH21	6	1.27
(2,47)	1:693:A:ILE:HD11	1:696:A:ARG:HH22	6	1.27
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH21	6	1.27
(2,47)	1:693:A:ILE:HD12	1:696:A:ARG:HH22	6	1.27
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH21	6	1.27
(2,47)	1:693:A:ILE:HD13	1:696:A:ARG:HH22	6	1.27
(2,1484)	1:740:A:ARG:HH11	1:743:A:ASP:OD2	11	1.26
(2,1059)	1:740:A:ARG:HH11	1:743:A:ASP:OD2	11	1.26
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	4	1.26
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	4	1.26
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	1	1.25
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	1	1.25
(2,41)	1:693:A:ILE:H	1:693:A:ILE:HG12	11	1.25
(2,41)	1:693:A:ILE:H	1:693:A:ILE:HG13	11	1.25
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	10	1.25
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	10	1.25
(2,1488)	1:780:A:ARG:HH22	1:783:A:GLU:OE1	11	1.23
(2,1063)	1:780:A:ARG:HH22	1:783:A:GLU:OE1	11	1.23
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD2	12	1.23
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	15	1.22
(2,1487)	1:770:A:ARG:HH11	1:773:A:ASP:OD2	2	1.21
(2,1183)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	10	1.21
(2,1062)	1:770:A:ARG:HH11	1:773:A:ASP:OD2	2	1.21
(2,758)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	10	1.21
(2,38)	1:692:A:LEU:HD21	1:694:A:GLY:H	10	1.2
(2,38)	1:692:A:LEU:HD22	1:694:A:GLY:H	10	1.2
(2,38)	1:692:A:LEU:HD23	1:694:A:GLY:H	10	1.2
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	9	1.19
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	2	1.19
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	2	1.19
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	2	1.19
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	12	1.19
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	12	1.17
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	12	1.17
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB1	7	1.16
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB2	7	1.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,65)	1:702:A:LEU:HD21	1:700:A:ALA:HB3	7	1.16
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB1	7	1.16
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB2	7	1.16
(2,65)	1:702:A:LEU:HD22	1:700:A:ALA:HB3	7	1.16
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB1	7	1.16
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB2	7	1.16
(2,65)	1:702:A:LEU:HD23	1:700:A:ALA:HB3	7	1.16
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	14	1.16
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB2	14	1.13
(2,68)	1:704:A:LEU:HD21	1:706:A:ASN:HB3	14	1.13
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB2	14	1.13
(2,68)	1:704:A:LEU:HD22	1:706:A:ASN:HB3	14	1.13
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB2	14	1.13
(2,68)	1:704:A:LEU:HD23	1:706:A:ASN:HB3	14	1.13
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	10	1.12
(2,635)	1:744:B:ARG:HH21	1:741:B:ASP:OD1	5	1.11
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	5	1.11
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA2	1	1.1
(2,56)	1:696:A:ARG:HE	1:694:A:GLY:HA3	1	1.1
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	7	1.08
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	11	1.07
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	3	1.07
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	8	1.07
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	4	1.07
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	4	1.07
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	9	1.05
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	6	1.05
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	6	1.05
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	6	1.05
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	9	1.05
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	6	1.05
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	6	1.05
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	6	1.05
(2,1485)	1:744:A:ARG:HH21	1:741:A:ASP:OD2	10	1.04
(2,1060)	1:744:A:ARG:HH21	1:741:A:ASP:OD2	10	1.04
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	3	1.03
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	3	1.03
(2,41)	1:693:A:ILE:H	1:693:A:ILE:HG12	10	1.03
(2,41)	1:693:A:ILE:H	1:693:A:ILE:HG13	10	1.03
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	11	1.03
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	6	1.01
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	6	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	9	1.01
(2,634)	1:740:B:ARG:HH11	1:743:B:ASP:OD1	1	0.99
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	14	0.99
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	14	0.99
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	1	0.99
(2,1203)	1:697:A:ILE:HG21	1:698:A:VAL:HA	9	0.97
(2,1203)	1:697:A:ILE:HG22	1:698:A:VAL:HA	9	0.97
(2,1203)	1:697:A:ILE:HG23	1:698:A:VAL:HA	9	0.97
(2,778)	1:697:A:ILE:HG21	1:698:A:VAL:HA	9	0.97
(2,778)	1:697:A:ILE:HG22	1:698:A:VAL:HA	9	0.97
(2,778)	1:697:A:ILE:HG23	1:698:A:VAL:HA	9	0.97
(2,638)	1:780:B:ARG:HH21	1:783:B:GLU:OE2	14	0.97
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	7	0.97
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	7	0.97
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	7	0.97
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	7	0.97
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	7	0.97
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	7	0.97
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD2	13	0.96
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD3	13	0.96
(2,1203)	1:697:A:ILE:HG21	1:698:A:VAL:HA	2	0.96
(2,1203)	1:697:A:ILE:HG22	1:698:A:VAL:HA	2	0.96
(2,1203)	1:697:A:ILE:HG23	1:698:A:VAL:HA	2	0.96
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD2	13	0.96
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD3	13	0.96
(2,778)	1:697:A:ILE:HG21	1:698:A:VAL:HA	2	0.96
(2,778)	1:697:A:ILE:HG22	1:698:A:VAL:HA	2	0.96
(2,778)	1:697:A:ILE:HG23	1:698:A:VAL:HA	2	0.96
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	2	0.94
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	9	0.94
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	9	0.94
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	9	0.94
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	9	0.94
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	9	0.94
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	9	0.94
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	9	0.94
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	9	0.94
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	9	0.94
(2,1203)	1:697:A:ILE:HG21	1:698:A:VAL:HA	15	0.93
(2,1203)	1:697:A:ILE:HG22	1:698:A:VAL:HA	15	0.93
(2,1203)	1:697:A:ILE:HG23	1:698:A:VAL:HA	15	0.93
(2,778)	1:697:A:ILE:HG21	1:698:A:VAL:HA	15	0.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,778)	1:697:A:ILE:HG22	1:698:A:VAL:HA	15	0.93
(2,778)	1:697:A:ILE:HG23	1:698:A:VAL:HA	15	0.93
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	2	0.93
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	7	0.91
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	5	0.91
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	5	0.91
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	5	0.91
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	7	0.91
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	5	0.91
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	5	0.91
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	5	0.91
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	14	0.91
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	13	0.91
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	13	0.91
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	13	0.91
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	6	0.91
(2,1487)	1:770:A:ARG:HH22	1:773:A:ASP:OD1	6	0.9
(2,1062)	1:770:A:ARG:HH22	1:773:A:ASP:OD1	6	0.9
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	12	0.9
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	12	0.9
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	12	0.9
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	12	0.9
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	7	0.9
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	6	0.89
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	2	0.89
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	2	0.89
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	2	0.89
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	6	0.89
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	2	0.89
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	2	0.89
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	2	0.89
(2,1203)	1:697:A:ILE:HG21	1:698:A:VAL:HA	3	0.88
(2,1203)	1:697:A:ILE:HG22	1:698:A:VAL:HA	3	0.88
(2,1203)	1:697:A:ILE:HG23	1:698:A:VAL:HA	3	0.88
(2,778)	1:697:A:ILE:HG21	1:698:A:VAL:HA	3	0.88
(2,778)	1:697:A:ILE:HG22	1:698:A:VAL:HA	3	0.88
(2,778)	1:697:A:ILE:HG23	1:698:A:VAL:HA	3	0.88
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	3	0.88
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	3	0.88
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	3	0.88
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	13	0.88
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	13	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	15	0.88
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	3	0.87
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	3	0.87
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	3	0.87
(2,1203)	1:697:A:ILE:HG21	1:698:A:VAL:HA	4	0.87
(2,1203)	1:697:A:ILE:HG22	1:698:A:VAL:HA	4	0.87
(2,1203)	1:697:A:ILE:HG23	1:698:A:VAL:HA	4	0.87
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	3	0.87
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	3	0.87
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	3	0.87
(2,778)	1:697:A:ILE:HG21	1:698:A:VAL:HA	4	0.87
(2,778)	1:697:A:ILE:HG22	1:698:A:VAL:HA	4	0.87
(2,778)	1:697:A:ILE:HG23	1:698:A:VAL:HA	4	0.87
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	1	0.86
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	8	0.86
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	8	0.86
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	8	0.86
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	1	0.86
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	8	0.86
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	8	0.86
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	8	0.86
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	1	0.86
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	1	0.86
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	10	0.85
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	10	0.85
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	10	0.85
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	10	0.85
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	10	0.85
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	10	0.85
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	10	0.85
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	10	0.85
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	10	0.85
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	10	0.85
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	10	0.85
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	10	0.85
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	6	0.85
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	13	0.85
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	13	0.85
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	13	0.85
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	11	0.85
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	11	0.85
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	13	0.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	13	0.84
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	8	0.83
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	12	0.83
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	12	0.83
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	12	0.83
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	15	0.83
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	15	0.83
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	15	0.83
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	8	0.83
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	12	0.83
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	12	0.83
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	12	0.83
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	15	0.83
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	15	0.83
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	15	0.83
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	1	0.83
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	1	0.83
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	1	0.83
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	6	0.83
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	6	0.83
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	6	0.83
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	13	0.83
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	13	0.83
(2,41)	1:693:A:ILE:H	1:693:A:ILE:HG12	8	0.83
(2,41)	1:693:A:ILE:H	1:693:A:ILE:HG13	8	0.83
(2,1183)	1:692:A:LEU:HD11	1:696:A:ARG:HH22	15	0.82
(2,758)	1:692:A:LEU:HD11	1:696:A:ARG:HH22	15	0.82
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	11	0.82
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	11	0.82
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	1	0.82
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	4	0.82
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	4	0.82
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	4	0.82
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	15	0.82
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	15	0.82
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	15	0.82
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	9	0.82
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	9	0.82
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB2	6	0.82
(2,4)	1:663:B:LEU:H	1:661:A:LEU:HB3	6	0.82
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	14	0.81
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	4	0.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	4	0.81
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	4	0.81
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	14	0.81
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	4	0.81
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	4	0.81
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	4	0.81
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	11	0.81
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	8	0.81
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	8	0.81
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	2	0.81
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	7	0.81
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	7	0.81
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	7	0.8
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	7	0.8
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	7	0.8
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	7	0.8
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	7	0.8
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	7	0.8
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	2	0.8
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	2	0.8
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	2	0.8
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	5	0.79
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD2	8	0.79
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD3	8	0.79
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	11	0.79
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	11	0.79
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	11	0.79
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	9	0.78
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	9	0.78
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	9	0.78
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	11	0.78
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	11	0.78
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	11	0.78
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	4	0.78
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	4	0.78
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	14	0.78
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	9	0.78
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	9	0.78
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	9	0.78
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	11	0.78
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	11	0.78
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	4	0.78
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	4	0.78
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	14	0.78
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	12	0.78
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	12	0.78
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	12	0.78
(2,390)	1:704:B:LEU:H	1:704:B:LEU:HB3	3	0.78
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	5	0.78
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	5	0.78
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	5	0.78
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	15	0.78
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	15	0.78
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	3	0.78
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	3	0.78
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	3	0.78
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	3	0.78
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	3	0.78
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	3	0.78
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	3	0.78
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	3	0.78
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	3	0.78
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	14	0.77
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	14	0.77
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	14	0.77
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	11	0.77
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	14	0.77
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	14	0.77
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	14	0.77
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	11	0.77
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	3	0.77
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	5	0.77
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	5	0.77
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	5	0.77
(2,402)	1:705:B:VAL:HG11	1:706:B:ASN:HA	12	0.77
(2,402)	1:705:B:VAL:HG12	1:706:B:ASN:HA	12	0.77
(2,402)	1:705:B:VAL:HG13	1:706:B:ASN:HA	12	0.77
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	11	0.77
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	4	0.77
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	4	0.77
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	4	0.77
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	3	0.77
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	3	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	13	0.76
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	13	0.76
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	3	0.76
(2,333)	1:692:B:LEU:HD11	1:696:B:ARG:HH11	8	0.76
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	10	0.76
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	10	0.76
(2,1484)	1:740:A:ARG:HH12	1:743:A:ASP:OD1	7	0.75
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	1	0.75
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	1	0.75
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	1	0.75
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	15	0.75
(2,1059)	1:740:A:ARG:HH12	1:743:A:ASP:OD1	7	0.75
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	1	0.75
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	1	0.75
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	1	0.75
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	15	0.75
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	9	0.75
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	9	0.75
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	9	0.75
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	2	0.75
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	2	0.75
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	7	0.75
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	7	0.75
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	7	0.75
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	15	0.75
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	15	0.75
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD11	10	0.75
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD12	10	0.75
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD13	10	0.75
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	5	0.75
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	5	0.75
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	5	0.75
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	5	0.75
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	5	0.75
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	5	0.75
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	5	0.75
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	5	0.75
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	5	0.75
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	12	0.75
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	12	0.75
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	12	0.75
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	12	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	12	0.75
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	12	0.75
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	12	0.75
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	12	0.75
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	12	0.75
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	6	0.74
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	6	0.74
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	10	0.74
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	10	0.74
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	10	0.74
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	6	0.74
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	3	0.74
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	6	0.74
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	6	0.74
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	10	0.74
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	10	0.74
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	10	0.74
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	6	0.74
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	3	0.74
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	4	0.74
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	8	0.74
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	13	0.74
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	13	0.74
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	13	0.74
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	13	0.74
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	7	0.74
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	7	0.74
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	10	0.74
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	10	0.74
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	9	0.74
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	9	0.74
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	9	0.74
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	15	0.73
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	15	0.73
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	7	0.73
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	8	0.73
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	8	0.73
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	4	0.73
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	4	0.73
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	4	0.73
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	4	0.73
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	4	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	4	0.73
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	4	0.73
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	4	0.73
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	4	0.73
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	13	0.72
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	1	0.72
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	1	0.72
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	1	0.72
(2,1208)	1:698:A:VAL:HG11	1:702:A:LEU:HB2	13	0.72
(2,1208)	1:698:A:VAL:HG11	1:702:A:LEU:HB3	13	0.72
(2,1208)	1:698:A:VAL:HG12	1:702:A:LEU:HB2	13	0.72
(2,1208)	1:698:A:VAL:HG12	1:702:A:LEU:HB3	13	0.72
(2,1208)	1:698:A:VAL:HG13	1:702:A:LEU:HB2	13	0.72
(2,1208)	1:698:A:VAL:HG13	1:702:A:LEU:HB3	13	0.72
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	13	0.72
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	1	0.72
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	1	0.72
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	1	0.72
(2,783)	1:698:A:VAL:HG11	1:702:A:LEU:HB2	13	0.72
(2,783)	1:698:A:VAL:HG11	1:702:A:LEU:HB3	13	0.72
(2,783)	1:698:A:VAL:HG12	1:702:A:LEU:HB2	13	0.72
(2,783)	1:698:A:VAL:HG12	1:702:A:LEU:HB3	13	0.72
(2,783)	1:698:A:VAL:HG13	1:702:A:LEU:HB2	13	0.72
(2,783)	1:698:A:VAL:HG13	1:702:A:LEU:HB3	13	0.72
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	14	0.72
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	3	0.72
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	3	0.72
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	3	0.72
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	4	0.72
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	4	0.72
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	4	0.71
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	4	0.71
(2,638)	1:780:B:ARG:HH22	1:783:B:GLU:OE2	3	0.71
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	8	0.71
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	8	0.71
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	8	0.71
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	11	0.71
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	11	0.71
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	11	0.71
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	8	0.7
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	8	0.7
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	7	0.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	7	0.7
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	7	0.7
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	15	0.7
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	3	0.7
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	12	0.7
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	7	0.7
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	7	0.7
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD21	10	0.7
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD22	10	0.7
(2,50)	1:694:A:GLY:H	1:692:A:LEU:HD23	10	0.7
(2,1183)	1:692:A:LEU:HD11	1:696:A:ARG:HH11	3	0.69
(2,758)	1:692:A:LEU:HD11	1:696:A:ARG:HH11	3	0.69
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	11	0.69
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	11	0.69
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	11	0.69
(2,220)	1:663:B:LEU:H	1:665:B:LYS:H	11	0.69
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	11	0.69
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	11	0.69
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	11	0.69
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	11	0.69
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	11	0.69
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	11	0.69
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	11	0.69
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	11	0.69
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	11	0.69
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	14	0.69
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	14	0.69
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	14	0.69
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	14	0.69
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	14	0.69
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	14	0.69
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	14	0.69
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	14	0.69
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	14	0.69
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	2	0.68
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	5	0.68
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	6	0.68
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	2	0.68
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	5	0.68
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	6	0.68
(2,637)	1:770:B:ARG:HH21	1:773:B:ASP:OD1	1	0.68
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	3	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	4	0.67
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	9	0.67
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	12	0.67
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	3	0.67
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	4	0.67
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	9	0.67
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	12	0.67
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	14	0.67
(2,513)	1:759:B:ASP:H	1:759:B:ASP:HB2	1	0.67
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	14	0.67
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	8	0.67
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	8	0.67
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	4	0.67
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	8	0.66
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	7	0.66
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	7	0.66
(2,1208)	1:698:A:VAL:HG11	1:702:A:LEU:HB2	8	0.66
(2,1208)	1:698:A:VAL:HG11	1:702:A:LEU:HB3	8	0.66
(2,1208)	1:698:A:VAL:HG12	1:702:A:LEU:HB2	8	0.66
(2,1208)	1:698:A:VAL:HG12	1:702:A:LEU:HB3	8	0.66
(2,1208)	1:698:A:VAL:HG13	1:702:A:LEU:HB2	8	0.66
(2,1208)	1:698:A:VAL:HG13	1:702:A:LEU:HB3	8	0.66
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	8	0.66
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	7	0.66
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	7	0.66
(2,783)	1:698:A:VAL:HG11	1:702:A:LEU:HB2	8	0.66
(2,783)	1:698:A:VAL:HG11	1:702:A:LEU:HB3	8	0.66
(2,783)	1:698:A:VAL:HG12	1:702:A:LEU:HB2	8	0.66
(2,783)	1:698:A:VAL:HG12	1:702:A:LEU:HB3	8	0.66
(2,783)	1:698:A:VAL:HG13	1:702:A:LEU:HB2	8	0.66
(2,783)	1:698:A:VAL:HG13	1:702:A:LEU:HB3	8	0.66
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	13	0.66
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	7	0.66
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	10	0.66
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	10	0.66
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	10	0.66
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	9	0.66
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	10	0.66
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	10	0.66
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	10	0.66
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	6	0.65
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	10	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	11	0.65
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	6	0.65
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	10	0.65
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	11	0.65
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	9	0.65
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	9	0.65
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	9	0.65
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	9	0.65
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	9	0.65
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	9	0.65
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	12	0.65
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	10	0.65
(2,333)	1:692:B:LEU:HD11	1:696:B:ARG:HH11	4	0.65
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	9	0.65
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	9	0.65
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	9	0.65
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	9	0.65
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	11	0.65
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	11	0.65
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	13	0.65
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	2	0.65
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	2	0.65
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	15	0.64
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	15	0.64
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	13	0.64
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	14	0.64
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	13	0.64
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	13	0.64
(2,1462)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	13	0.64
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	1	0.64
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	15	0.64
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	15	0.64
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	13	0.64
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	14	0.64
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB1	13	0.64
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB2	13	0.64
(2,1037)	1:790:A:TRP:HE1	1:792:A:ALA:HB3	13	0.64
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	1	0.64
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	3	0.64
(2,445)	1:710:B:GLN:H	1:710:B:GLN:HB2	15	0.64
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	1	0.64
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	1	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	1	0.64
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	6	0.63
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	13	0.63
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	15	0.63
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	15	0.63
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	15	0.63
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	15	0.63
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	15	0.63
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	15	0.63
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	12	0.63
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	12	0.63
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	12	0.63
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	6	0.63
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	13	0.63
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	15	0.63
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	15	0.63
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	15	0.63
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	15	0.63
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	15	0.63
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	15	0.63
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	12	0.63
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	12	0.63
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	12	0.63
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	2	0.63
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	10	0.63
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	9	0.63
(2,445)	1:710:B:GLN:H	1:710:B:GLN:HB2	10	0.63
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	5	0.63
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	5	0.63
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	9	0.63
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	9	0.63
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	5	0.62
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	12	0.62
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	5	0.62
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	12	0.62
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	12	0.62
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	15	0.62
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	7	0.62
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	12	0.62
(2,333)	1:692:B:LEU:HD12	1:696:B:ARG:HH11	11	0.62
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB2	3	0.62
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB3	3	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD21	9	0.62
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD22	9	0.62
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD23	9	0.62
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	2	0.62
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	2	0.62
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	2	0.62
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	2	0.62
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	2	0.62
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	2	0.62
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	2	0.62
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	2	0.62
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	2	0.62
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	4	0.61
(2,1295)	1:710:A:GLN:H	1:710:A:GLN:HB2	13	0.61
(2,1183)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	12	0.61
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	4	0.61
(2,870)	1:710:A:GLN:H	1:710:A:GLN:HB2	13	0.61
(2,758)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	12	0.61
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH21	15	0.61
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH22	15	0.61
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH21	15	0.61
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH22	15	0.61
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH21	15	0.61
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH22	15	0.61
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	2	0.61
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	2	0.61
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	2	0.61
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	2	0.61
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	2	0.61
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	2	0.61
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	12	0.61
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	12	0.61
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	12	0.61
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	3	0.61
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	3	0.61
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	9	0.61
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	9	0.61
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	11	0.6
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	11	0.6
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	15	0.6
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	8	0.6
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	7	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	7	0.6
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	7	0.6
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	7	0.6
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	7	0.6
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	7	0.6
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	12	0.6
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	1	0.6
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	2	0.6
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	2	0.6
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	2	0.6
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	2	0.6
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	2	0.6
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	2	0.6
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	11	0.6
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	11	0.6
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	15	0.6
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	8	0.6
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	7	0.6
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	7	0.6
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	7	0.6
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	7	0.6
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	7	0.6
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	7	0.6
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	12	0.6
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	1	0.6
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	2	0.6
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	2	0.6
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	2	0.6
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	2	0.6
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	2	0.6
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	2	0.6
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	1	0.6
(2,444)	1:710:B:GLN:H	1:710:B:GLN:HB3	11	0.6
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	10	0.6
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	10	0.6
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	10	0.6
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	11	0.6
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	11	0.6
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	11	0.6
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	11	0.6
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	11	0.6
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD21	6	0.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD22	6	0.6
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD23	6	0.6
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	5	0.6
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	5	0.6
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB1	4	0.6
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB2	4	0.6
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB3	4	0.6
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB1	4	0.6
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB2	4	0.6
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB3	4	0.6
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB1	4	0.6
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB2	4	0.6
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB3	4	0.6
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	14	0.6
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	14	0.6
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	14	0.6
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD11	11	0.59
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD12	11	0.59
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD13	11	0.59
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	10	0.59
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	7	0.59
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	12	0.59
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	12	0.59
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	12	0.59
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	12	0.59
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	12	0.59
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	12	0.59
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	1	0.59
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	1	0.59
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	1	0.59
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	1	0.59
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	1	0.59
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	1	0.59
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD11	11	0.59
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD12	11	0.59
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD13	11	0.59
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	10	0.59
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	7	0.59
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	12	0.59
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	12	0.59
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	12	0.59
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	12	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	12	0.59
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	12	0.59
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	1	0.59
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	1	0.59
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	1	0.59
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	1	0.59
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	1	0.59
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	1	0.59
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	14	0.59
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	9	0.59
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	5	0.59
(2,444)	1:710:B:GLN:H	1:710:B:GLN:HB3	5	0.59
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	11	0.59
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	8	0.59
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	8	0.59
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	8	0.59
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	8	0.59
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	8	0.59
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	3	0.59
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	3	0.59
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	3	0.59
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	3	0.59
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	2	0.59
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	2	0.59
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	6	0.59
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	6	0.59
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	13	0.59
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	13	0.59
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	13	0.59
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	13	0.59
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	13	0.59
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	13	0.59
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	13	0.59
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	13	0.59
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	13	0.59
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	6	0.58
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	8	0.58
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	8	0.58
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	8	0.58
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	8	0.58
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	6	0.58
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	8	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	8	0.58
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	8	0.58
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	8	0.58
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	10	0.58
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	15	0.58
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB2	15	0.58
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB3	15	0.58
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB2	15	0.58
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB3	15	0.58
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB2	15	0.58
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB3	15	0.58
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	6	0.58
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	12	0.58
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG12	10	0.58
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG13	10	0.58
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	11	0.58
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	11	0.58
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	5	0.58
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	2	0.58
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	2	0.58
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	2	0.58
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	2	0.58
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	2	0.58
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	2	0.58
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	1	0.58
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	1	0.58
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	1	0.58
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	1	0.58
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	1	0.58
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	1	0.58
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	1	0.58
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	1	0.58
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	1	0.58
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	12	0.57
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	12	0.57
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	5	0.57
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	8	0.57
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	8	0.57
(2,1294)	1:710:A:GLN:H	1:710:A:GLN:HB3	2	0.57
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	13	0.57
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	13	0.57
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	12	0.57
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	12	0.57
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	5	0.57
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	8	0.57
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	8	0.57
(2,869)	1:710:A:GLN:H	1:710:A:GLN:HB3	2	0.57
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	13	0.57
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	13	0.57
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	13	0.57
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	11	0.57
(2,405)	1:705:B:VAL:HG21	1:702:B:LEU:HG	12	0.57
(2,405)	1:705:B:VAL:HG22	1:702:B:LEU:HG	12	0.57
(2,405)	1:705:B:VAL:HG23	1:702:B:LEU:HG	12	0.57
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	3	0.57
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	3	0.57
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	14	0.57
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	12	0.57
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	12	0.57
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB2	13	0.57
(2,87)	1:711:B:GLY:H	1:758:A:ASP:HB3	13	0.57
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	12	0.57
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	12	0.57
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	1	0.56
(2,1208)	1:698:A:VAL:HG11	1:702:A:LEU:HB2	6	0.56
(2,1208)	1:698:A:VAL:HG11	1:702:A:LEU:HB3	6	0.56
(2,1208)	1:698:A:VAL:HG12	1:702:A:LEU:HB2	6	0.56
(2,1208)	1:698:A:VAL:HG12	1:702:A:LEU:HB3	6	0.56
(2,1208)	1:698:A:VAL:HG13	1:702:A:LEU:HB2	6	0.56
(2,1208)	1:698:A:VAL:HG13	1:702:A:LEU:HB3	6	0.56
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	14	0.56
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	14	0.56
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	14	0.56
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	1	0.56
(2,783)	1:698:A:VAL:HG11	1:702:A:LEU:HB2	6	0.56
(2,783)	1:698:A:VAL:HG11	1:702:A:LEU:HB3	6	0.56
(2,783)	1:698:A:VAL:HG12	1:702:A:LEU:HB2	6	0.56
(2,783)	1:698:A:VAL:HG12	1:702:A:LEU:HB3	6	0.56
(2,783)	1:698:A:VAL:HG13	1:702:A:LEU:HB2	6	0.56
(2,783)	1:698:A:VAL:HG13	1:702:A:LEU:HB3	6	0.56
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	14	0.56
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	14	0.56
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	14	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	10	0.56
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	8	0.56
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	3	0.56
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	3	0.56
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	3	0.56
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	3	0.56
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	3	0.56
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	3	0.56
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	13	0.56
(2,444)	1:710:B:GLN:H	1:710:B:GLN:HB3	8	0.56
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	1	0.56
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD2	5	0.56
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD3	5	0.56
(2,333)	1:692:B:LEU:HD13	1:696:B:ARG:HH11	6	0.56
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	5	0.56
(2,114)	1:781:A:ILE:HD11	1:743:B:ASP:HA	7	0.56
(2,114)	1:781:A:ILE:HD12	1:743:B:ASP:HA	7	0.56
(2,114)	1:781:A:ILE:HD13	1:743:B:ASP:HA	7	0.56
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	15	0.56
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	15	0.56
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	15	0.56
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	5	0.56
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	5	0.56
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	8	0.56
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	8	0.56
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	8	0.56
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	8	0.56
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	8	0.56
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	8	0.56
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB1	3	0.56
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB2	3	0.56
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB3	3	0.56
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB1	3	0.56
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB2	3	0.56
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB3	3	0.56
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB1	3	0.56
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB2	3	0.56
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB3	3	0.56
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	13	0.55
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	13	0.55
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	13	0.55
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	13	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	13	0.55
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	13	0.55
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	12	0.55
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	7	0.55
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	9	0.55
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	9	0.55
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	9	0.55
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	5	0.55
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	13	0.55
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	13	0.55
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	13	0.55
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	13	0.55
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	13	0.55
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	13	0.55
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	12	0.55
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	7	0.55
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	9	0.55
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	9	0.55
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	9	0.55
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	5	0.55
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	8	0.55
(2,491)	1:753:B:LEU:HD11	1:757:B:TRP:HB2	11	0.55
(2,491)	1:753:B:LEU:HD11	1:757:B:TRP:HB3	11	0.55
(2,491)	1:753:B:LEU:HD12	1:757:B:TRP:HB2	11	0.55
(2,491)	1:753:B:LEU:HD12	1:757:B:TRP:HB3	11	0.55
(2,491)	1:753:B:LEU:HD13	1:757:B:TRP:HB2	11	0.55
(2,491)	1:753:B:LEU:HD13	1:757:B:TRP:HB3	11	0.55
(2,470)	1:746:B:ILE:HD11	1:743:B:ASP:HA	7	0.55
(2,470)	1:746:B:ILE:HD12	1:743:B:ASP:HA	7	0.55
(2,470)	1:746:B:ILE:HD13	1:743:B:ASP:HA	7	0.55
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	14	0.55
(2,444)	1:710:B:GLN:H	1:710:B:GLN:HB3	1	0.55
(2,444)	1:710:B:GLN:H	1:710:B:GLN:HB3	7	0.55
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	2	0.55
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG12	6	0.55
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG13	6	0.55
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	13	0.55
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	13	0.55
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	12	0.55
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	12	0.55
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	12	0.55
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	12	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	7	0.55
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	7	0.55
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	5	0.55
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	5	0.55
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	5	0.55
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	5	0.55
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	5	0.55
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	5	0.55
(2,1485)	1:744:A:ARG:HH11	1:741:A:ASP:OD1	13	0.54
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	2	0.54
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	4	0.54
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	14	0.54
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	5	0.54
(2,1294)	1:710:A:GLN:H	1:710:A:GLN:HB3	10	0.54
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	2	0.54
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	2	0.54
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	2	0.54
(2,1203)	1:697:A:ILE:HG21	1:698:A:VAL:HA	6	0.54
(2,1203)	1:697:A:ILE:HG22	1:698:A:VAL:HA	6	0.54
(2,1203)	1:697:A:ILE:HG23	1:698:A:VAL:HA	6	0.54
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	6	0.54
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	6	0.54
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	6	0.54
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	6	0.54
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	6	0.54
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	6	0.54
(2,1060)	1:744:A:ARG:HH11	1:741:A:ASP:OD1	13	0.54
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	2	0.54
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	4	0.54
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	14	0.54
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	5	0.54
(2,869)	1:710:A:GLN:H	1:710:A:GLN:HB3	10	0.54
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	2	0.54
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	2	0.54
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	2	0.54
(2,778)	1:697:A:ILE:HG21	1:698:A:VAL:HA	6	0.54
(2,778)	1:697:A:ILE:HG22	1:698:A:VAL:HA	6	0.54
(2,778)	1:697:A:ILE:HG23	1:698:A:VAL:HA	6	0.54
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	6	0.54
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	6	0.54
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	6	0.54
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	6	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	6	0.54
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	6	0.54
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	2	0.54
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	4	0.54
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	4	0.54
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	4	0.54
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	4	0.54
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	4	0.54
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	4	0.54
(2,444)	1:710:B:GLN:H	1:710:B:GLN:HB3	13	0.54
(2,403)	1:705:B:VAL:HG11	1:709:B:ARG:HD2	12	0.54
(2,403)	1:705:B:VAL:HG11	1:709:B:ARG:HD3	12	0.54
(2,403)	1:705:B:VAL:HG12	1:709:B:ARG:HD2	12	0.54
(2,403)	1:705:B:VAL:HG12	1:709:B:ARG:HD3	12	0.54
(2,403)	1:705:B:VAL:HG13	1:709:B:ARG:HD2	12	0.54
(2,403)	1:705:B:VAL:HG13	1:709:B:ARG:HD3	12	0.54
(2,114)	1:781:A:ILE:HD11	1:743:B:ASP:HA	3	0.54
(2,114)	1:781:A:ILE:HD12	1:743:B:ASP:HA	3	0.54
(2,114)	1:781:A:ILE:HD13	1:743:B:ASP:HA	3	0.54
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	4	0.54
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	4	0.54
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	4	0.54
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	4	0.54
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	4	0.54
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	4	0.54
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	10	0.54
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	10	0.54
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	5	0.53
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	5	0.53
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	7	0.53
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	7	0.53
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	7	0.53
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	7	0.53
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	7	0.53
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	7	0.53
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	10	0.53
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	10	0.53
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	10	0.53
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	10	0.53
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	10	0.53
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	10	0.53
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	14	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	13	0.53
(2,1288)	1:709:A:ARG:HE	1:709:A:ARG:H	6	0.53
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	7	0.53
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	7	0.53
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	7	0.53
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	2	0.53
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	5	0.53
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	5	0.53
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	5	0.53
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	12	0.53
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	12	0.53
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	12	0.53
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	12	0.53
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	12	0.53
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	12	0.53
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	12	0.53
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	12	0.53
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	12	0.53
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	14	0.53
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	14	0.53
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	14	0.53
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	14	0.53
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	14	0.53
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	14	0.53
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	5	0.53
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	5	0.53
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	7	0.53
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	7	0.53
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	7	0.53
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	7	0.53
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	7	0.53
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	7	0.53
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	10	0.53
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	10	0.53
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	10	0.53
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	10	0.53
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	10	0.53
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	10	0.53
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	14	0.53
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	13	0.53
(2,863)	1:709:A:ARG:HE	1:709:A:ARG:H	6	0.53
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	7	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	7	0.53
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	7	0.53
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	2	0.53
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	5	0.53
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	5	0.53
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	5	0.53
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	12	0.53
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	12	0.53
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	12	0.53
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	12	0.53
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	12	0.53
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	12	0.53
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	12	0.53
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	12	0.53
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	12	0.53
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	14	0.53
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	14	0.53
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	14	0.53
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	14	0.53
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	14	0.53
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	14	0.53
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	15	0.53
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	15	0.53
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	5	0.53
(2,444)	1:710:B:GLN:H	1:710:B:GLN:HB3	6	0.53
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	5	0.53
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD2	13	0.53
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD3	13	0.53
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD2	13	0.53
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD3	13	0.53
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD2	13	0.53
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD3	13	0.53
(2,339)	1:693:B:ILE:HG21	1:694:B:GLY:H	6	0.53
(2,339)	1:693:B:ILE:HG22	1:694:B:GLY:H	6	0.53
(2,339)	1:693:B:ILE:HG23	1:694:B:GLY:H	6	0.53
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	8	0.53
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	8	0.53
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	8	0.53
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	8	0.53
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	8	0.53
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	8	0.53
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	2	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	7	0.53
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	7	0.53
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	14	0.53
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	14	0.53
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	9	0.53
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	9	0.53
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	9	0.53
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	14	0.52
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	14	0.52
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	3	0.52
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	14	0.52
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	14	0.52
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	14	0.52
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	8	0.52
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	8	0.52
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	8	0.52
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	8	0.52
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	8	0.52
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	8	0.52
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	15	0.52
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	15	0.52
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	15	0.52
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	15	0.52
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	15	0.52
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	15	0.52
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	14	0.52
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	14	0.52
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	3	0.52
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	14	0.52
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	14	0.52
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	14	0.52
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	8	0.52
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	8	0.52
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	8	0.52
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	8	0.52
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	8	0.52
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	8	0.52
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	15	0.52
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	15	0.52
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	15	0.52
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	15	0.52
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	15	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	15	0.52
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	4	0.52
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	6	0.52
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	1	0.52
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	14	0.52
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	12	0.52
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD2	7	0.52
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD3	7	0.52
(2,339)	1:693:B:ILE:HG21	1:694:B:GLY:H	10	0.52
(2,339)	1:693:B:ILE:HG22	1:694:B:GLY:H	10	0.52
(2,339)	1:693:B:ILE:HG23	1:694:B:GLY:H	10	0.52
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG12	8	0.52
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG13	8	0.52
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG12	13	0.52
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG13	13	0.52
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	11	0.52
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	11	0.52
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD2	15	0.52
(2,138)	1:756:B:ILE:H	1:794:A:LYS:HD3	15	0.52
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	6	0.52
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	8	0.52
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	15	0.52
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	15	0.52
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	15	0.52
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	15	0.52
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	15	0.52
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	15	0.52
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE1	5	0.52
(2,74)	1:708:A:VAL:HG21	1:712:A:TYR:HE2	5	0.52
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE1	5	0.52
(2,74)	1:708:A:VAL:HG22	1:712:A:TYR:HE2	5	0.52
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE1	5	0.52
(2,74)	1:708:A:VAL:HG23	1:712:A:TYR:HE2	5	0.52
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	1	0.51
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	3	0.51
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	10	0.51
(2,1443)	1:784:A:LEU:H	1:781:A:ILE:HA	7	0.51
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	12	0.51
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	8	0.51
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	4	0.51
(2,1203)	1:697:A:ILE:HG21	1:698:A:VAL:HA	12	0.51
(2,1203)	1:697:A:ILE:HG22	1:698:A:VAL:HA	12	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1203)	1:697:A:ILE:HG23	1:698:A:VAL:HA	12	0.51
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	9	0.51
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	9	0.51
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	9	0.51
(2,1072)	1:663:A:LEU:HD21	1:667:A:ALA:HB1	12	0.51
(2,1072)	1:663:A:LEU:HD21	1:667:A:ALA:HB2	12	0.51
(2,1072)	1:663:A:LEU:HD21	1:667:A:ALA:HB3	12	0.51
(2,1072)	1:663:A:LEU:HD22	1:667:A:ALA:HB1	12	0.51
(2,1072)	1:663:A:LEU:HD22	1:667:A:ALA:HB2	12	0.51
(2,1072)	1:663:A:LEU:HD22	1:667:A:ALA:HB3	12	0.51
(2,1072)	1:663:A:LEU:HD23	1:667:A:ALA:HB1	12	0.51
(2,1072)	1:663:A:LEU:HD23	1:667:A:ALA:HB2	12	0.51
(2,1072)	1:663:A:LEU:HD23	1:667:A:ALA:HB3	12	0.51
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	1	0.51
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	3	0.51
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	10	0.51
(2,1018)	1:784:A:LEU:H	1:781:A:ILE:HA	7	0.51
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	12	0.51
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	8	0.51
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	4	0.51
(2,778)	1:697:A:ILE:HG21	1:698:A:VAL:HA	12	0.51
(2,778)	1:697:A:ILE:HG22	1:698:A:VAL:HA	12	0.51
(2,778)	1:697:A:ILE:HG23	1:698:A:VAL:HA	12	0.51
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	9	0.51
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	9	0.51
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	9	0.51
(2,647)	1:663:A:LEU:HD21	1:667:A:ALA:HB1	12	0.51
(2,647)	1:663:A:LEU:HD21	1:667:A:ALA:HB2	12	0.51
(2,647)	1:663:A:LEU:HD21	1:667:A:ALA:HB3	12	0.51
(2,647)	1:663:A:LEU:HD22	1:667:A:ALA:HB1	12	0.51
(2,647)	1:663:A:LEU:HD22	1:667:A:ALA:HB2	12	0.51
(2,647)	1:663:A:LEU:HD22	1:667:A:ALA:HB3	12	0.51
(2,647)	1:663:A:LEU:HD23	1:667:A:ALA:HB1	12	0.51
(2,647)	1:663:A:LEU:HD23	1:667:A:ALA:HB2	12	0.51
(2,647)	1:663:A:LEU:HD23	1:667:A:ALA:HB3	12	0.51
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	4	0.51
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	4	0.51
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	5	0.51
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	14	0.51
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	3	0.51
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	3	0.51
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	3	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	3	0.51
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	3	0.51
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	3	0.51
(2,228)	1:665:B:LYS:H	1:662:B:GLU:HA	11	0.51
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	11	0.51
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	11	0.51
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	11	0.51
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	6	0.51
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	6	0.51
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	5	0.51
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	5	0.51
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	5	0.51
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	5	0.51
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	5	0.51
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	5	0.51
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	9	0.51
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	9	0.51
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	9	0.51
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	9	0.51
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	9	0.51
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	9	0.51
(2,12)	1:666:A:TRP:HE1	1:666:B:TRP:HZ2	1	0.51
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	15	0.5
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	2	0.5
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	2	0.5
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	2	0.5
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	2	0.5
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	2	0.5
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	2	0.5
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	10	0.5
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	10	0.5
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	15	0.5
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	2	0.5
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	2	0.5
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	2	0.5
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	2	0.5
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	2	0.5
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	2	0.5
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	10	0.5
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	10	0.5
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	2	0.5
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	2	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	15	0.5
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	3	0.5
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	11	0.5
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	13	0.5
(2,525)	1:771:B:LEU:HD11	1:764:B:SER:HA	2	0.5
(2,525)	1:771:B:LEU:HD12	1:764:B:SER:HA	2	0.5
(2,525)	1:771:B:LEU:HD13	1:764:B:SER:HA	2	0.5
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	13	0.5
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	13	0.5
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	10	0.5
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	2	0.5
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	2	0.5
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	2	0.5
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	3	0.5
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	3	0.5
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	3	0.5
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	13	0.5
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	12	0.5
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	12	0.5
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	2	0.49
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	13	0.49
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	13	0.49
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	13	0.49
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	13	0.49
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	13	0.49
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	13	0.49
(2,1123)	1:675:A:ILE:H	1:674:A:ASP:H	11	0.49
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	2	0.49
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	13	0.49
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	13	0.49
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	13	0.49
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	13	0.49
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	13	0.49
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	13	0.49
(2,698)	1:675:A:ILE:H	1:674:A:ASP:H	11	0.49
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	8	0.49
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	4	0.49
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	9	0.49
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	15	0.49
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG12	11	0.49
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG13	11	0.49
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG12	11	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG13	11	0.49
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	12	0.49
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	6	0.49
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	6	0.49
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	6	0.49
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	6	0.49
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	8	0.49
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	8	0.49
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	13	0.49
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	13	0.49
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	1	0.49
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	1	0.49
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	1	0.49
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	14	0.49
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	14	0.49
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	14	0.49
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	5	0.48
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	8	0.48
(2,1307)	1:740:A:ARG:H	1:739:A:GLU:HA	8	0.48
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	6	0.48
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	6	0.48
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	6	0.48
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	6	0.48
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	7	0.48
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	7	0.48
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	7	0.48
(2,1183)	1:692:A:LEU:HD12	1:696:A:ARG:HH11	13	0.48
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	5	0.48
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	8	0.48
(2,882)	1:740:A:ARG:H	1:739:A:GLU:HA	8	0.48
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	6	0.48
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	6	0.48
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	6	0.48
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	6	0.48
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	7	0.48
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	7	0.48
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	7	0.48
(2,758)	1:692:A:LEU:HD12	1:696:A:ARG:HH11	13	0.48
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	13	0.48
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	10	0.48
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	1	0.48
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	6	0.48
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	8	0.48
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	12	0.48
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	14	0.48
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	14	0.48
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	14	0.48
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	14	0.48
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	14	0.48
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	14	0.48
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	8	0.48
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	8	0.48
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	8	0.48
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	10	0.48
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	3	0.47
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	4	0.47
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	13	0.47
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	13	0.47
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	13	0.47
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	2	0.47
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	2	0.47
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	2	0.47
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	9	0.47
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	9	0.47
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	9	0.47
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	3	0.47
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	4	0.47
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	13	0.47
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	13	0.47
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	13	0.47
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	2	0.47
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	2	0.47
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	2	0.47
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	9	0.47
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	9	0.47
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	9	0.47
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	13	0.47
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	4	0.47
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	6	0.47
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	3	0.47
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	11	0.47
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	13	0.47
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	11	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	11	0.47
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	11	0.47
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	11	0.47
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	11	0.47
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	11	0.47
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	7	0.47
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	7	0.47
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	7	0.47
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	7	0.47
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	7	0.47
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	7	0.47
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	1	0.47
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	1	0.47
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	7	0.47
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	12	0.47
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	12	0.47
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	12	0.47
(2,15)	1:666:A:TRP:HE1	1:666:B:TRP:HD1	13	0.47
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	4	0.47
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	7	0.47
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	4	0.47
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	7	0.47
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	4	0.47
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	7	0.47
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	2	0.46
(2,1294)	1:710:A:GLN:H	1:710:A:GLN:HB3	5	0.46
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	7	0.46
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	7	0.46
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	7	0.46
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	7	0.46
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	7	0.46
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	7	0.46
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	4	0.46
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	4	0.46
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	4	0.46
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	1	0.46
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	1	0.46
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	1	0.46
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	1	0.46
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	1	0.46
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	1	0.46
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	3	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	3	0.46
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	3	0.46
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	3	0.46
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	3	0.46
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	3	0.46
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	5	0.46
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	5	0.46
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	5	0.46
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	5	0.46
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	5	0.46
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	5	0.46
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	2	0.46
(2,869)	1:710:A:GLN:H	1:710:A:GLN:HB3	5	0.46
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	7	0.46
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	7	0.46
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	7	0.46
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	7	0.46
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	7	0.46
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	7	0.46
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	4	0.46
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	4	0.46
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	4	0.46
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	1	0.46
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	1	0.46
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	1	0.46
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	1	0.46
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	1	0.46
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	1	0.46
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	3	0.46
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	3	0.46
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	3	0.46
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	3	0.46
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	3	0.46
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	3	0.46
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	5	0.46
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	5	0.46
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	5	0.46
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	5	0.46
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	5	0.46
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	5	0.46
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	9	0.46
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	9	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	1	0.46
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	7	0.46
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	7	0.46
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	7	0.46
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	15	0.46
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	4	0.46
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	4	0.46
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	4	0.46
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	4	0.46
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	4	0.46
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	4	0.46
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	2	0.46
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	7	0.46
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	11	0.46
(2,391)	1:704:B:LEU:H	1:704:B:LEU:HB2	1	0.46
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	5	0.46
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	5	0.46
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	5	0.46
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	4	0.46
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	4	0.46
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	4	0.46
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	4	0.46
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	4	0.46
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	4	0.46
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	6	0.46
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	6	0.46
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	9	0.46
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	9	0.46
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	4	0.46
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	4	0.46
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	4	0.46
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	4	0.46
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	4	0.46
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	4	0.46
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	10	0.46
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	10	0.46
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	10	0.46
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	3	0.45
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	3	0.45
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	3	0.45
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	3	0.45
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	3	0.45
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	15	0.45
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	11	0.45
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	11	0.45
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD2	15	0.45
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD3	15	0.45
(2,1294)	1:710:A:GLN:H	1:710:A:GLN:HB3	12	0.45
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	2	0.45
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	2	0.45
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	2	0.45
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	9	0.45
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	9	0.45
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	9	0.45
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	9	0.45
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	9	0.45
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	9	0.45
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	9	0.45
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	9	0.45
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	9	0.45
(2,1183)	1:692:A:LEU:HD12	1:696:A:ARG:HH22	6	0.45
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	3	0.45
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	3	0.45
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	3	0.45
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	3	0.45
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	3	0.45
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	3	0.45
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	15	0.45
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	11	0.45
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	11	0.45
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD2	15	0.45
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD3	15	0.45
(2,869)	1:710:A:GLN:H	1:710:A:GLN:HB3	12	0.45
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	2	0.45
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	2	0.45
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	2	0.45
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	9	0.45
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	9	0.45
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	9	0.45
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	9	0.45
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	9	0.45
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	9	0.45
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	9	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	9	0.45
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	9	0.45
(2,758)	1:692:A:LEU:HD12	1:696:A:ARG:HH22	6	0.45
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	14	0.45
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	14	0.45
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	1	0.45
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	3	0.45
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB1	14	0.45
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB2	14	0.45
(2,612)	1:790:B:TRP:HE1	1:792:B:ALA:HB3	14	0.45
(2,499)	1:754:B:ALA:HB1	1:753:B:LEU:HD21	11	0.45
(2,499)	1:754:B:ALA:HB1	1:753:B:LEU:HD22	11	0.45
(2,499)	1:754:B:ALA:HB1	1:753:B:LEU:HD23	11	0.45
(2,499)	1:754:B:ALA:HB2	1:753:B:LEU:HD21	11	0.45
(2,499)	1:754:B:ALA:HB2	1:753:B:LEU:HD22	11	0.45
(2,499)	1:754:B:ALA:HB2	1:753:B:LEU:HD23	11	0.45
(2,499)	1:754:B:ALA:HB3	1:753:B:LEU:HD21	11	0.45
(2,499)	1:754:B:ALA:HB3	1:753:B:LEU:HD22	11	0.45
(2,499)	1:754:B:ALA:HB3	1:753:B:LEU:HD23	11	0.45
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	10	0.45
(2,457)	1:740:B:ARG:H	1:739:B:GLU:HA	5	0.45
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	13	0.45
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	14	0.45
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	14	0.45
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	14	0.45
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD2	11	0.45
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD3	11	0.45
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD2	11	0.45
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD3	11	0.45
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD2	11	0.45
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD3	11	0.45
(2,333)	1:692:B:LEU:HD12	1:696:B:ARG:HH11	15	0.45
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	12	0.45
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	12	0.45
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	1	0.45
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	4	0.45
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	4	0.45
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	4	0.45
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	4	0.45
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	7	0.44
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	7	0.44
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	14	0.44
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	9	0.44
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	9	0.44
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	9	0.44
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	9	0.44
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	9	0.44
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	9	0.44
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	15	0.44
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	15	0.44
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	15	0.44
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	4	0.44
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	4	0.44
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	4	0.44
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	11	0.44
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	11	0.44
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	11	0.44
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	13	0.44
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	13	0.44
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	13	0.44
(2,1183)	1:692:A:LEU:HD12	1:696:A:ARG:HH11	9	0.44
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	8	0.44
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	8	0.44
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	8	0.44
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	8	0.44
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	8	0.44
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	8	0.44
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	7	0.44
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	7	0.44
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	9	0.44
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	14	0.44
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	9	0.44
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	9	0.44
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	9	0.44
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	9	0.44
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	9	0.44
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	9	0.44
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	15	0.44
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	15	0.44
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	15	0.44
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	4	0.44
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	4	0.44
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	4	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	11	0.44
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	11	0.44
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	11	0.44
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	13	0.44
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	13	0.44
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	13	0.44
(2,758)	1:692:A:LEU:HD12	1:696:A:ARG:HH11	9	0.44
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	8	0.44
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	8	0.44
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	8	0.44
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	8	0.44
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	8	0.44
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	8	0.44
(2,622)	1:802:B:TYR:H	1:803:B:TRP:HH2	7	0.44
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	13	0.44
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	10	0.44
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	10	0.44
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	10	0.44
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	10	0.44
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	10	0.44
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	10	0.44
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	10	0.44
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	10	0.44
(2,473)	1:746:B:ILE:HG21	1:750:B:ASN:HD22	5	0.44
(2,473)	1:746:B:ILE:HG22	1:750:B:ASN:HD22	5	0.44
(2,473)	1:746:B:ILE:HG23	1:750:B:ASN:HD22	5	0.44
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB2	6	0.44
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB3	6	0.44
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB2	6	0.44
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB3	6	0.44
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB2	6	0.44
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB3	6	0.44
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	2	0.44
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	6	0.44
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	2	0.44
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	2	0.44
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	2	0.44
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	2	0.44
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	2	0.44
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB2	9	0.44
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB3	9	0.44
(2,148)	1:790:B:TRP:HE1	1:851:B:LEU:HD11	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,148)	1:790:B:TRP:HE1	1:851:B:LEU:HD12	14	0.44
(2,148)	1:790:B:TRP:HE1	1:851:B:LEU:HD13	14	0.44
(2,148)	1:790:B:TRP:HE1	1:851:B:LEU:HD21	14	0.44
(2,148)	1:790:B:TRP:HE1	1:851:B:LEU:HD22	14	0.44
(2,148)	1:790:B:TRP:HE1	1:851:B:LEU:HD23	14	0.44
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	9	0.44
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB2	7	0.44
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB3	7	0.44
(2,81)	1:708:A:VAL:HG21	1:714:B:PRO:HA	5	0.44
(2,81)	1:708:A:VAL:HG22	1:714:B:PRO:HA	5	0.44
(2,81)	1:708:A:VAL:HG23	1:714:B:PRO:HA	5	0.44
(2,1472)	1:802:A:TYR:H	1:803:A:TRP:HH2	11	0.43
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	11	0.43
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	12	0.43
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	3	0.43
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	15	0.43
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	1	0.43
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	14	0.43
(2,1368)	1:763:A:LEU:HD11	1:759:A:ASP:HA	6	0.43
(2,1368)	1:763:A:LEU:HD12	1:759:A:ASP:HA	6	0.43
(2,1368)	1:763:A:LEU:HD13	1:759:A:ASP:HA	6	0.43
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	6	0.43
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	6	0.43
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	6	0.43
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	6	0.43
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	6	0.43
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	6	0.43
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	4	0.43
(2,1294)	1:710:A:GLN:H	1:710:A:GLN:HB3	4	0.43
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	1	0.43
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	6	0.43
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	6	0.43
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	6	0.43
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	8	0.43
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	8	0.43
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	8	0.43
(2,1183)	1:692:A:LEU:HD12	1:696:A:ARG:HH12	14	0.43
(2,1047)	1:802:A:TYR:H	1:803:A:TRP:HH2	11	0.43
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	11	0.43
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	12	0.43
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	3	0.43
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	15	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	1	0.43
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	14	0.43
(2,943)	1:763:A:LEU:HD11	1:759:A:ASP:HA	6	0.43
(2,943)	1:763:A:LEU:HD12	1:759:A:ASP:HA	6	0.43
(2,943)	1:763:A:LEU:HD13	1:759:A:ASP:HA	6	0.43
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	6	0.43
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	6	0.43
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	6	0.43
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	6	0.43
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	6	0.43
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	6	0.43
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	4	0.43
(2,869)	1:710:A:GLN:H	1:710:A:GLN:HB3	4	0.43
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	1	0.43
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	6	0.43
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	6	0.43
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	6	0.43
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	8	0.43
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	8	0.43
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	8	0.43
(2,758)	1:692:A:LEU:HD12	1:696:A:ARG:HH12	14	0.43
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD11	8	0.43
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD12	8	0.43
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD13	8	0.43
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD21	8	0.43
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD22	8	0.43
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD23	8	0.43
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	2	0.43
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	2	0.43
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	2	0.43
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	2	0.43
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	2	0.43
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	2	0.43
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	3	0.43
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	3	0.43
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	3	0.43
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	3	0.43
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	3	0.43
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	3	0.43
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB2	7	0.43
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB3	7	0.43
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB2	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB3	7	0.43
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB2	7	0.43
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB3	7	0.43
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB2	10	0.43
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB3	10	0.43
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB2	10	0.43
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB3	10	0.43
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB2	10	0.43
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB3	10	0.43
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	3	0.43
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	14	0.43
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	15	0.43
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	15	0.43
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	15	0.43
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	12	0.43
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	12	0.43
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	12	0.43
(2,296)	1:682:B:ILE:HD11	1:681:B:TYR:H	13	0.43
(2,296)	1:682:B:ILE:HD12	1:681:B:TYR:H	13	0.43
(2,296)	1:682:B:ILE:HD13	1:681:B:TYR:H	13	0.43
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	13	0.43
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	13	0.43
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	13	0.43
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	9	0.43
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	9	0.43
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	9	0.43
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG12	1	0.43
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG13	1	0.43
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	7	0.43
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	7	0.43
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	9	0.43
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	9	0.43
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	13	0.43
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	13	0.43
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	13	0.43
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	13	0.43
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD21	7	0.43
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD22	7	0.43
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD23	7	0.43
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	9	0.43
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	9	0.43
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	9	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD11	6	0.42
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD12	6	0.42
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD13	6	0.42
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	1	0.42
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	1	0.42
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	1	0.42
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	1	0.42
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	1	0.42
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	1	0.42
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	15	0.42
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	2	0.42
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	2	0.42
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	2	0.42
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	2	0.42
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	2	0.42
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	2	0.42
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	11	0.42
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	11	0.42
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	3	0.42
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	3	0.42
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	3	0.42
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	6	0.42
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	6	0.42
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	6	0.42
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	6	0.42
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	6	0.42
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	6	0.42
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	1	0.42
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	1	0.42
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	1	0.42
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	1	0.42
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	1	0.42
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	1	0.42
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD11	6	0.42
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD12	6	0.42
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD13	6	0.42
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	1	0.42
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	1	0.42
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	1	0.42
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	1	0.42
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	1	0.42
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	1	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	15	0.42
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	2	0.42
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	2	0.42
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	2	0.42
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	2	0.42
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	2	0.42
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	2	0.42
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	11	0.42
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	11	0.42
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	3	0.42
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	3	0.42
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	3	0.42
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	6	0.42
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	6	0.42
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	6	0.42
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	6	0.42
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	6	0.42
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	6	0.42
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	1	0.42
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	1	0.42
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	1	0.42
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	1	0.42
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	1	0.42
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	1	0.42
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	2	0.42
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	14	0.42
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	7	0.42
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	7	0.42
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	7	0.42
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	7	0.42
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	7	0.42
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	7	0.42
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB2	8	0.42
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB3	8	0.42
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB2	8	0.42
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB3	8	0.42
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB2	8	0.42
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB3	8	0.42
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	5	0.42
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	3	0.42
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	3	0.42
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	8	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	3	0.42
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	8	0.42
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	8	0.42
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	8	0.42
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	8	0.42
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	8	0.42
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	8	0.42
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	10	0.42
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	10	0.42
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	10	0.42
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	10	0.42
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	10	0.42
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	10	0.42
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	15	0.42
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	15	0.42
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	15	0.42
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	15	0.42
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	15	0.42
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	15	0.42
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	2	0.42
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	2	0.42
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	2	0.42
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	1	0.42
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	1	0.42
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	1	0.42
(2,333)	1:692:B:LEU:HD11	1:696:B:ARG:HH11	12	0.42
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	10	0.42
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	10	0.42
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	10	0.42
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	10	0.42
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD21	4	0.42
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD22	4	0.42
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD23	4	0.42
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	6	0.42
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	6	0.42
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	6	0.42
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	6	0.42
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	6	0.42
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	6	0.42
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	2	0.42
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	2	0.42
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	4	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	4	0.42
(2,81)	1:708:A:VAL:HG21	1:714:B:PRO:HA	11	0.42
(2,81)	1:708:A:VAL:HG22	1:714:B:PRO:HA	11	0.42
(2,81)	1:708:A:VAL:HG23	1:714:B:PRO:HA	11	0.42
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	3	0.42
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	3	0.42
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	3	0.42
(2,1487)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	4	0.41
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	10	0.41
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	12	0.41
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	6	0.41
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	6	0.41
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	2	0.41
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	2	0.41
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	2	0.41
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	2	0.41
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	2	0.41
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	2	0.41
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	1	0.41
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	1	0.41
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	1	0.41
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	1	0.41
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	1	0.41
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	1	0.41
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	1	0.41
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	1	0.41
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	1	0.41
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	7	0.41
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	7	0.41
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	7	0.41
(2,1185)	1:693:A:ILE:HD11	1:694:A:GLY:HA2	1	0.41
(2,1185)	1:693:A:ILE:HD11	1:694:A:GLY:HA3	1	0.41
(2,1185)	1:693:A:ILE:HD12	1:694:A:GLY:HA2	1	0.41
(2,1185)	1:693:A:ILE:HD12	1:694:A:GLY:HA3	1	0.41
(2,1185)	1:693:A:ILE:HD13	1:694:A:GLY:HA2	1	0.41
(2,1185)	1:693:A:ILE:HD13	1:694:A:GLY:HA3	1	0.41
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	7	0.41
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	7	0.41
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	7	0.41
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	7	0.41
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	7	0.41
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	7	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	10	0.41
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	10	0.41
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	10	0.41
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	10	0.41
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	10	0.41
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	10	0.41
(2,1062)	1:770:A:ARG:HH21	1:773:A:ASP:OD1	4	0.41
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	10	0.41
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	12	0.41
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	6	0.41
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	6	0.41
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	2	0.41
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	2	0.41
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	2	0.41
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	2	0.41
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	2	0.41
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	2	0.41
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	1	0.41
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	1	0.41
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	1	0.41
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	1	0.41
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	1	0.41
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	1	0.41
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	1	0.41
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	1	0.41
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	1	0.41
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	7	0.41
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	7	0.41
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	7	0.41
(2,760)	1:693:A:ILE:HD11	1:694:A:GLY:HA2	1	0.41
(2,760)	1:693:A:ILE:HD11	1:694:A:GLY:HA3	1	0.41
(2,760)	1:693:A:ILE:HD12	1:694:A:GLY:HA2	1	0.41
(2,760)	1:693:A:ILE:HD12	1:694:A:GLY:HA3	1	0.41
(2,760)	1:693:A:ILE:HD13	1:694:A:GLY:HA2	1	0.41
(2,760)	1:693:A:ILE:HD13	1:694:A:GLY:HA3	1	0.41
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	7	0.41
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	7	0.41
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	7	0.41
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	7	0.41
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	7	0.41
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	7	0.41
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	10	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	10	0.41
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	10	0.41
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	10	0.41
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	10	0.41
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	10	0.41
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	8	0.41
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	11	0.41
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	11	0.41
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	11	0.41
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	11	0.41
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	11	0.41
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	11	0.41
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	13	0.41
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	13	0.41
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	13	0.41
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	13	0.41
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	13	0.41
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	13	0.41
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	5	0.41
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	5	0.41
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	3	0.41
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	3	0.41
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	3	0.41
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	7	0.41
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	9	0.41
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	15	0.41
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	10	0.41
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	10	0.41
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	10	0.41
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	11	0.41
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	11	0.41
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	11	0.41
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	1	0.41
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	1	0.41
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	1	0.41
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	15	0.41
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	15	0.41
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	15	0.41
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB2	14	0.41
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB3	14	0.41
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	13	0.41
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	13	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	2	0.41
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	2	0.41
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	2	0.41
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	2	0.41
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	2	0.41
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	2	0.41
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	8	0.41
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	8	0.41
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	8	0.41
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	2	0.41
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	2	0.41
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	2	0.41
(2,1482)	1:852:A:GLU:H	1:848:A:ARG:HG2	8	0.4
(2,1482)	1:852:A:GLU:H	1:848:A:ARG:HG3	8	0.4
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	9	0.4
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	14	0.4
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	5	0.4
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	9	0.4
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	15	0.4
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	5	0.4
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	3	0.4
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	3	0.4
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	3	0.4
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	3	0.4
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	3	0.4
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	3	0.4
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	13	0.4
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	13	0.4
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	13	0.4
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	13	0.4
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	13	0.4
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	13	0.4
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	3	0.4
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	3	0.4
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	3	0.4
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	3	0.4
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	3	0.4
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	3	0.4
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	6	0.4
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	6	0.4
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	6	0.4
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	6	0.4
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	6	0.4
(2,1057)	1:852:A:GLU:H	1:848:A:ARG:HG2	8	0.4
(2,1057)	1:852:A:GLU:H	1:848:A:ARG:HG3	8	0.4
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	9	0.4
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	14	0.4
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	5	0.4
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	9	0.4
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	15	0.4
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	5	0.4
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	3	0.4
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	3	0.4
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	3	0.4
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	3	0.4
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	3	0.4
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	3	0.4
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	13	0.4
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	13	0.4
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	13	0.4
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	13	0.4
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	13	0.4
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	13	0.4
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	3	0.4
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	3	0.4
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	3	0.4
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	3	0.4
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	3	0.4
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	3	0.4
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	6	0.4
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	6	0.4
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	6	0.4
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	6	0.4
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	6	0.4
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	6	0.4
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	4	0.4
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	7	0.4
(2,420)	1:707:B:ARG:H	1:707:B:ARG:HG2	9	0.4
(2,420)	1:707:B:ARG:H	1:707:B:ARG:HG3	9	0.4
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	5	0.4
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	5	0.4
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	5	0.4
(2,295)	1:682:B:ILE:HG21	1:685:B:PHE:HD1	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,295)	1:682:B:ILE:HG21	1:685:B:PHE:HD2	13	0.4
(2,295)	1:682:B:ILE:HG22	1:685:B:PHE:HD1	13	0.4
(2,295)	1:682:B:ILE:HG22	1:685:B:PHE:HD2	13	0.4
(2,295)	1:682:B:ILE:HG23	1:685:B:PHE:HD1	13	0.4
(2,295)	1:682:B:ILE:HG23	1:685:B:PHE:HD2	13	0.4
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG12	6	0.4
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG13	6	0.4
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG12	6	0.4
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG13	6	0.4
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	10	0.4
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	10	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD11	5	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD12	5	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD13	5	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD21	5	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD22	5	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD23	5	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD11	10	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD12	10	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD13	10	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD21	10	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD22	10	0.4
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD23	10	0.4
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB2	3	0.4
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB3	3	0.4
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	7	0.4
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	6	0.4
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	7	0.4
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	6	0.4
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	7	0.4
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	6	0.4
(2,1482)	1:852:A:GLU:H	1:848:A:ARG:HG2	3	0.39
(2,1482)	1:852:A:GLU:H	1:848:A:ARG:HG3	3	0.39
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	1	0.39
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	7	0.39
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD2	3	0.39
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD3	3	0.39
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	5	0.39
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	7	0.39
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	11	0.39
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	13	0.39
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	13	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	3	0.39
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	3	0.39
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	3	0.39
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	15	0.39
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	15	0.39
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	15	0.39
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	14	0.39
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	14	0.39
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	14	0.39
(2,1057)	1:852:A:GLU:H	1:848:A:ARG:HG2	3	0.39
(2,1057)	1:852:A:GLU:H	1:848:A:ARG:HG3	3	0.39
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	1	0.39
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	7	0.39
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD2	3	0.39
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD3	3	0.39
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	5	0.39
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	7	0.39
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	11	0.39
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	13	0.39
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	13	0.39
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	3	0.39
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	3	0.39
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	3	0.39
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	15	0.39
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	15	0.39
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	15	0.39
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	14	0.39
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	14	0.39
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	14	0.39
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	11	0.39
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	5	0.39
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	5	0.39
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	5	0.39
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	5	0.39
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	5	0.39
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	5	0.39
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	7	0.39
(2,390)	1:704:B:LEU:H	1:704:B:LEU:HB3	5	0.39
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB1	15	0.39
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB2	15	0.39
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB3	15	0.39
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB1	15	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB2	15	0.39
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB3	15	0.39
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB1	15	0.39
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB2	15	0.39
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB3	15	0.39
(2,213)	1:839:A:ALA:H	1:808:A:LYS:HZ1	9	0.39
(2,213)	1:839:A:ALA:H	1:808:A:LYS:HZ2	9	0.39
(2,213)	1:839:A:ALA:H	1:808:A:LYS:HZ3	9	0.39
(2,212)	1:839:A:ALA:H	1:808:A:LYS:HZ1	9	0.39
(2,212)	1:839:A:ALA:H	1:808:A:LYS:HZ2	9	0.39
(2,212)	1:839:A:ALA:H	1:808:A:LYS:HZ3	9	0.39
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	8	0.39
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	8	0.39
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	8	0.39
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	8	0.39
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	7	0.39
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	7	0.39
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	5	0.39
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	5	0.39
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	15	0.39
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	15	0.39
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD2	7	0.39
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD3	7	0.39
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	13	0.39
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	13	0.39
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	14	0.39
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	14	0.39
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	12	0.39
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	12	0.39
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	12	0.39
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	12	0.39
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	12	0.39
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	12	0.39
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB2	2	0.39
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB3	2	0.39
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD2	6	0.38
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD3	6	0.38
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	4	0.38
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	8	0.38
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB2	12	0.38
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB3	12	0.38
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	3	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	9	0.38
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	12	0.38
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	1	0.38
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	10	0.38
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	10	0.38
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	10	0.38
(2,1223)	1:701:A:VAL:HG21	1:698:A:VAL:HA	6	0.38
(2,1223)	1:701:A:VAL:HG22	1:698:A:VAL:HA	6	0.38
(2,1223)	1:701:A:VAL:HG23	1:698:A:VAL:HA	6	0.38
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	2	0.38
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	2	0.38
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	2	0.38
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	2	0.38
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	2	0.38
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	2	0.38
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	15	0.38
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	15	0.38
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	15	0.38
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD2	6	0.38
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD3	6	0.38
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	4	0.38
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	8	0.38
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB2	12	0.38
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB3	12	0.38
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	3	0.38
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	9	0.38
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	12	0.38
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	1	0.38
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	10	0.38
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	10	0.38
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	10	0.38
(2,798)	1:701:A:VAL:HG21	1:698:A:VAL:HA	6	0.38
(2,798)	1:701:A:VAL:HG22	1:698:A:VAL:HA	6	0.38
(2,798)	1:701:A:VAL:HG23	1:698:A:VAL:HA	6	0.38
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	2	0.38
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	2	0.38
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	2	0.38
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	2	0.38
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	2	0.38
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	2	0.38
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	15	0.38
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	15	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	15	0.38
(2,626)	1:817:B:ALA:H	1:816:B:ASN:HB2	13	0.38
(2,626)	1:817:B:ALA:H	1:816:B:ASN:HB3	13	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	4	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	4	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	4	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	4	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	4	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	4	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	11	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	11	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	11	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	11	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	11	0.38
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	11	0.38
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	9	0.38
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	9	0.38
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	9	0.38
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	7	0.38
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	12	0.38
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	15	0.38
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	9	0.38
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	6	0.38
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	6	0.38
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	6	0.38
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	8	0.38
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	15	0.38
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	3	0.38
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	3	0.38
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	3	0.38
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	3	0.38
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	3	0.38
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	3	0.38
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD2	9	0.38
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD3	9	0.38
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD2	9	0.38
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD3	9	0.38
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD2	9	0.38
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD3	9	0.38
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	5	0.38
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	5	0.38
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	1	0.38
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	1	0.38
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	1	0.38
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	1	0.38
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	1	0.38
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	8	0.38
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	8	0.38
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	8	0.38
(2,1486)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	7	0.37
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD2	1	0.37
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD3	1	0.37
(2,1375)	1:771:A:LEU:HD11	1:764:A:SER:HA	7	0.37
(2,1375)	1:771:A:LEU:HD12	1:764:A:SER:HA	7	0.37
(2,1375)	1:771:A:LEU:HD13	1:764:A:SER:HA	7	0.37
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB2	7	0.37
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB3	7	0.37
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	3	0.37
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	6	0.37
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	6	0.37
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	6	0.37
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	14	0.37
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	14	0.37
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	14	0.37
(2,1189)	1:693:A:ILE:HG21	1:694:A:GLY:H	4	0.37
(2,1189)	1:693:A:ILE:HG22	1:694:A:GLY:H	4	0.37
(2,1189)	1:693:A:ILE:HG23	1:694:A:GLY:H	4	0.37
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	12	0.37
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	12	0.37
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	12	0.37
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	3	0.37
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	3	0.37
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	3	0.37
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	3	0.37
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	3	0.37
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	3	0.37
(2,1061)	1:761:A:ARG:HH21	1:758:A:ASP:OD1	7	0.37
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD2	1	0.37
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD3	1	0.37
(2,950)	1:771:A:LEU:HD11	1:764:A:SER:HA	7	0.37
(2,950)	1:771:A:LEU:HD12	1:764:A:SER:HA	7	0.37
(2,950)	1:771:A:LEU:HD13	1:764:A:SER:HA	7	0.37
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB2	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB3	7	0.37
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	3	0.37
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	6	0.37
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	6	0.37
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	6	0.37
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	14	0.37
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	14	0.37
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	14	0.37
(2,764)	1:693:A:ILE:HG21	1:694:A:GLY:H	4	0.37
(2,764)	1:693:A:ILE:HG22	1:694:A:GLY:H	4	0.37
(2,764)	1:693:A:ILE:HG23	1:694:A:GLY:H	4	0.37
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	12	0.37
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	12	0.37
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	12	0.37
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	3	0.37
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	3	0.37
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	3	0.37
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	3	0.37
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	3	0.37
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	3	0.37
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	15	0.37
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	10	0.37
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	12	0.37
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	12	0.37
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	9	0.37
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	9	0.37
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	6	0.37
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	6	0.37
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	13	0.37
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	13	0.37
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	13	0.37
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	13	0.37
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	13	0.37
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	13	0.37
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	14	0.37
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	14	0.37
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	14	0.37
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	14	0.37
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	14	0.37
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	14	0.37
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	1	0.37
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	1	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	1	0.37
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	1	0.37
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	1	0.37
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	1	0.37
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	1	0.37
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	1	0.37
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	1	0.37
(2,228)	1:665:B:LYS:H	1:662:B:GLU:HA	9	0.37
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	6	0.37
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	6	0.37
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	6	0.37
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	10	0.37
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	10	0.37
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	10	0.37
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG12	5	0.37
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG13	5	0.37
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG12	5	0.37
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG13	5	0.37
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	6	0.37
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	6	0.37
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	6	0.37
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	6	0.37
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	8	0.37
(2,160)	1:794:B:LYS:H	1:848:B:ARG:HG2	12	0.37
(2,160)	1:794:B:LYS:H	1:848:B:ARG:HG3	12	0.37
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	12	0.37
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	12	0.37
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	14	0.37
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	14	0.37
(2,81)	1:708:A:VAL:HG21	1:714:B:PRO:HA	4	0.37
(2,81)	1:708:A:VAL:HG22	1:714:B:PRO:HA	4	0.37
(2,81)	1:708:A:VAL:HG23	1:714:B:PRO:HA	4	0.37
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	11	0.37
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	11	0.37
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	11	0.37
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	11	0.37
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	11	0.37
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	11	0.37
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD11	6	0.37
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD12	6	0.37
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD13	6	0.37
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG21	8	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG22	8	0.37
(2,27)	1:686:A:ILE:H	1:686:B:ILE:HG23	8	0.37
(2,12)	1:666:A:TRP:HE1	1:666:B:TRP:HZ2	11	0.37
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	4	0.37
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	9	0.37
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	4	0.37
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	9	0.37
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	4	0.37
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	9	0.37
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	2	0.36
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	1	0.36
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	1	0.36
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	1	0.36
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	1	0.36
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	1	0.36
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	1	0.36
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	5	0.36
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	5	0.36
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	5	0.36
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	5	0.36
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	5	0.36
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	5	0.36
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	10	0.36
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	10	0.36
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	10	0.36
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	10	0.36
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	10	0.36
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	10	0.36
(2,1368)	1:763:A:LEU:HD11	1:759:A:ASP:HA	11	0.36
(2,1368)	1:763:A:LEU:HD12	1:759:A:ASP:HA	11	0.36
(2,1368)	1:763:A:LEU:HD13	1:759:A:ASP:HA	11	0.36
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	7	0.36
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	9	0.36
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	10	0.36
(2,1322)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	5	0.36
(2,1322)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	5	0.36
(2,1322)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	5	0.36
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	2	0.36
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	8	0.36
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	8	0.36
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	8	0.36
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	8	0.36
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	8	0.36
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	9	0.36
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	9	0.36
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	9	0.36
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	9	0.36
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	9	0.36
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	8	0.36
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	8	0.36
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	8	0.36
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	8	0.36
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	8	0.36
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	8	0.36
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	10	0.36
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	10	0.36
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	10	0.36
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	10	0.36
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	10	0.36
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	10	0.36
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	15	0.36
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	15	0.36
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	15	0.36
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	15	0.36
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	15	0.36
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	15	0.36
(2,1128)	1:676:A:THR:HG21	1:670:A:TRP:HE1	5	0.36
(2,1128)	1:676:A:THR:HG22	1:670:A:TRP:HE1	5	0.36
(2,1128)	1:676:A:THR:HG23	1:670:A:TRP:HE1	5	0.36
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	2	0.36
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	1	0.36
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	1	0.36
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	1	0.36
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	1	0.36
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	1	0.36
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	1	0.36
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	5	0.36
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	5	0.36
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	5	0.36
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	5	0.36
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	5	0.36
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	5	0.36
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	10	0.36
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	10	0.36
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	10	0.36
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	10	0.36
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	10	0.36
(2,943)	1:763:A:LEU:HD11	1:759:A:ASP:HA	11	0.36
(2,943)	1:763:A:LEU:HD12	1:759:A:ASP:HA	11	0.36
(2,943)	1:763:A:LEU:HD13	1:759:A:ASP:HA	11	0.36
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	7	0.36
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	9	0.36
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	10	0.36
(2,897)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	5	0.36
(2,897)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	5	0.36
(2,897)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	5	0.36
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	2	0.36
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	8	0.36
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	8	0.36
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	8	0.36
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	8	0.36
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	8	0.36
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	8	0.36
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	9	0.36
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	9	0.36
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	9	0.36
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	9	0.36
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	9	0.36
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	8	0.36
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	8	0.36
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	8	0.36
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	8	0.36
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	8	0.36
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	8	0.36
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	10	0.36
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	10	0.36
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	10	0.36
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	10	0.36
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	10	0.36
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	10	0.36
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	15	0.36
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	15	0.36
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	15	0.36
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	15	0.36
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	15	0.36
(2,703)	1:676:A:THR:HG21	1:670:A:TRP:HE1	5	0.36
(2,703)	1:676:A:THR:HG22	1:670:A:TRP:HE1	5	0.36
(2,703)	1:676:A:THR:HG23	1:670:A:TRP:HE1	5	0.36
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD11	14	0.36
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD12	14	0.36
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD13	14	0.36
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD21	14	0.36
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD22	14	0.36
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD23	14	0.36
(2,614)	1:793:B:LEU:H	1:790:B:TRP:HE3	9	0.36
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	8	0.36
(2,545)	1:775:B:LEU:HD11	1:772:B:ARG:HA	8	0.36
(2,545)	1:775:B:LEU:HD12	1:772:B:ARG:HA	8	0.36
(2,545)	1:775:B:LEU:HD13	1:772:B:ARG:HA	8	0.36
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	13	0.36
(2,518)	1:763:B:LEU:HD11	1:759:B:ASP:HA	2	0.36
(2,518)	1:763:B:LEU:HD12	1:759:B:ASP:HA	2	0.36
(2,518)	1:763:B:LEU:HD13	1:759:B:ASP:HA	2	0.36
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	14	0.36
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	14	0.36
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	9	0.36
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	9	0.36
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	9	0.36
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	11	0.36
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD11	13	0.36
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD12	13	0.36
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD13	13	0.36
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD21	13	0.36
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD22	13	0.36
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD23	13	0.36
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	3	0.36
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	3	0.36
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	3	0.36
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	3	0.36
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	3	0.36
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	3	0.36
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	15	0.36
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	15	0.36
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	15	0.36
(2,268)	1:672:B:TRP:H	1:673:B:PHE:H	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,234)	1:666:B:TRP:H	1:663:B:LEU:HA	7	0.36
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD11	15	0.36
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD12	15	0.36
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD13	15	0.36
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	5	0.36
(2,81)	1:708:A:VAL:HG21	1:714:B:PRO:HA	6	0.36
(2,81)	1:708:A:VAL:HG22	1:714:B:PRO:HA	6	0.36
(2,81)	1:708:A:VAL:HG23	1:714:B:PRO:HA	6	0.36
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	7	0.36
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	7	0.36
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	7	0.36
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	7	0.36
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	7	0.36
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	7	0.36
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD11	3	0.36
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD12	3	0.36
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD13	3	0.36
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	2	0.36
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	10	0.36
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	12	0.36
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	13	0.36
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	2	0.36
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	10	0.36
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	12	0.36
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	13	0.36
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	2	0.36
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	10	0.36
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	12	0.36
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	13	0.36
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	2	0.35
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	2	0.35
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG11	13	0.35
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG12	13	0.35
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG13	13	0.35
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG21	13	0.35
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG22	13	0.35
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG23	13	0.35
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	6	0.35
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	6	0.35
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	6	0.35
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	6	0.35
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	6	0.35
(2,1451)	1:785:A:LEU:H	1:782:A:VAL:HA	7	0.35
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	15	0.35
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	1	0.35
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	2	0.35
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	1	0.35
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	14	0.35
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	14	0.35
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	14	0.35
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	14	0.35
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	14	0.35
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	14	0.35
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	13	0.35
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	1	0.35
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	1	0.35
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	7	0.35
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	7	0.35
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	7	0.35
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	7	0.35
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	7	0.35
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	7	0.35
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	11	0.35
(2,1294)	1:710:A:GLN:H	1:710:A:GLN:HB3	14	0.35
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	11	0.35
(2,1183)	1:692:A:LEU:HD13	1:696:A:ARG:HH12	11	0.35
(2,1182)	1:692:A:LEU:HD11	1:691:A:SER:HB2	13	0.35
(2,1182)	1:692:A:LEU:HD11	1:691:A:SER:HB3	13	0.35
(2,1182)	1:692:A:LEU:HD12	1:691:A:SER:HB2	13	0.35
(2,1182)	1:692:A:LEU:HD12	1:691:A:SER:HB3	13	0.35
(2,1182)	1:692:A:LEU:HD13	1:691:A:SER:HB2	13	0.35
(2,1182)	1:692:A:LEU:HD13	1:691:A:SER:HB3	13	0.35
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	5	0.35
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	2	0.35
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	2	0.35
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG11	13	0.35
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG12	13	0.35
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG13	13	0.35
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG21	13	0.35
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG22	13	0.35
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG23	13	0.35
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	6	0.35
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	6	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	6	0.35
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	6	0.35
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	6	0.35
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	6	0.35
(2,1026)	1:785:A:LEU:H	1:782:A:VAL:HA	7	0.35
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	15	0.35
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	1	0.35
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	2	0.35
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	1	0.35
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	14	0.35
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	14	0.35
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	14	0.35
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	14	0.35
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	14	0.35
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	14	0.35
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	13	0.35
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	1	0.35
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	1	0.35
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	7	0.35
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	7	0.35
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	7	0.35
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	7	0.35
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	7	0.35
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	7	0.35
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	11	0.35
(2,869)	1:710:A:GLN:H	1:710:A:GLN:HB3	14	0.35
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	11	0.35
(2,758)	1:692:A:LEU:HD13	1:696:A:ARG:HH12	11	0.35
(2,757)	1:692:A:LEU:HD11	1:691:A:SER:HB2	13	0.35
(2,757)	1:692:A:LEU:HD11	1:691:A:SER:HB3	13	0.35
(2,757)	1:692:A:LEU:HD12	1:691:A:SER:HB2	13	0.35
(2,757)	1:692:A:LEU:HD12	1:691:A:SER:HB3	13	0.35
(2,757)	1:692:A:LEU:HD13	1:691:A:SER:HB2	13	0.35
(2,757)	1:692:A:LEU:HD13	1:691:A:SER:HB3	13	0.35
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	5	0.35
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG11	13	0.35
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG12	13	0.35
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG13	13	0.35
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG21	13	0.35
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG22	13	0.35
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG23	13	0.35
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD11	10	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD12	10	0.35
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD13	10	0.35
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	5	0.35
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	5	0.35
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	5	0.35
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	5	0.35
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	6	0.35
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	6	0.35
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	6	0.35
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	6	0.35
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	6	0.35
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	6	0.35
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	15	0.35
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	15	0.35
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	15	0.35
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	15	0.35
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	15	0.35
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	15	0.35
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	11	0.35
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	11	0.35
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	11	0.35
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	11	0.35
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	11	0.35
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	11	0.35
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	10	0.35
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	10	0.35
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	10	0.35
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	10	0.35
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	10	0.35
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB2	12	0.35
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB3	12	0.35
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB2	12	0.35
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB3	12	0.35
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB2	12	0.35
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB3	12	0.35
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	1	0.35
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	1	0.35
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	1	0.35
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	1	0.35
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	1	0.35
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	1	0.35
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,420)	1:707:B:ARG:H	1:707:B:ARG:HG2	15	0.35
(2,420)	1:707:B:ARG:H	1:707:B:ARG:HG3	15	0.35
(2,241)	1:666:B:TRP:HE1	1:662:B:GLU:H	7	0.35
(2,234)	1:666:B:TRP:H	1:663:B:LEU:HA	2	0.35
(2,228)	1:665:B:LYS:H	1:662:B:GLU:HA	5	0.35
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	10	0.35
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	10	0.35
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	14	0.35
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	14	0.35
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	14	0.35
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	14	0.35
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	14	0.35
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	14	0.35
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD21	3	0.35
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD22	3	0.35
(2,165)	1:796:A:TRP:HE1	1:755:B:LEU:HD23	3	0.35
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	13	0.35
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	13	0.35
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	13	0.35
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	13	0.35
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	14	0.35
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	14	0.35
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	10	0.35
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	10	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB1	2	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB2	2	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB3	2	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB1	2	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB2	2	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB3	2	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB1	2	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB2	2	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB3	2	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB1	7	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB2	7	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB3	7	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB1	7	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB2	7	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB3	7	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB1	7	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB2	7	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB3	7	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB1	10	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB2	10	0.35
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB3	10	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB1	10	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB2	10	0.35
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB3	10	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB1	10	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB2	10	0.35
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB3	10	0.35
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	3	0.35
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	11	0.35
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	3	0.35
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	11	0.35
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	3	0.35
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	11	0.35
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	3	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	3	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	3	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	3	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	3	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	3	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	6	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	6	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	6	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	6	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	6	0.34
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	6	0.34
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	4	0.34
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	13	0.34
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	13	0.34
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	13	0.34
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	13	0.34
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	13	0.34
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	13	0.34
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	4	0.34
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	4	0.34
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	4	0.34
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	4	0.34
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	4	0.34
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	4	0.34
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	13	0.34
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	13	0.34
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	13	0.34
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	13	0.34
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	13	0.34
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	9	0.34
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	9	0.34
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	12	0.34
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	1	0.34
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	1	0.34
(2,1205)	1:698:A:VAL:HG11	1:695:A:LEU:HA	14	0.34
(2,1205)	1:698:A:VAL:HG12	1:695:A:LEU:HA	14	0.34
(2,1205)	1:698:A:VAL:HG13	1:695:A:LEU:HA	14	0.34
(2,1183)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	2	0.34
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	3	0.34
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	3	0.34
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	3	0.34
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	3	0.34
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	3	0.34
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	3	0.34
(2,1136)	1:678:A:TRP:HE1	1:682:A:ILE:H	9	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	3	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	3	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	3	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	3	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	3	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	3	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	6	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	6	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	6	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	6	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	6	0.34
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	6	0.34
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	4	0.34
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	13	0.34
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	13	0.34
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	13	0.34
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	13	0.34
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	13	0.34
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	13	0.34
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	4	0.34
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	4	0.34
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	4	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	4	0.34
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	4	0.34
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	4	0.34
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	13	0.34
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	13	0.34
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	13	0.34
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	13	0.34
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	13	0.34
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	13	0.34
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	9	0.34
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	9	0.34
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	12	0.34
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	1	0.34
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	1	0.34
(2,780)	1:698:A:VAL:HG11	1:695:A:LEU:HA	14	0.34
(2,780)	1:698:A:VAL:HG12	1:695:A:LEU:HA	14	0.34
(2,780)	1:698:A:VAL:HG13	1:695:A:LEU:HA	14	0.34
(2,758)	1:692:A:LEU:HD13	1:696:A:ARG:HH11	2	0.34
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	3	0.34
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	3	0.34
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	3	0.34
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	3	0.34
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	3	0.34
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	3	0.34
(2,711)	1:678:A:TRP:HE1	1:682:A:ILE:H	9	0.34
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	5	0.34
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	5	0.34
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG11	8	0.34
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG12	8	0.34
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG13	8	0.34
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG21	8	0.34
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG22	8	0.34
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG23	8	0.34
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD11	1	0.34
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD12	1	0.34
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD13	1	0.34
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	13	0.34
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	3	0.34
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	5	0.34
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	2	0.34
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	11	0.34
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	13	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	11	0.34
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	11	0.34
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	7	0.34
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	7	0.34
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	7	0.34
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	10	0.34
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	10	0.34
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	10	0.34
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	10	0.34
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	10	0.34
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	10	0.34
(2,373)	1:701:B:VAL:HG21	1:698:B:VAL:HA	4	0.34
(2,373)	1:701:B:VAL:HG22	1:698:B:VAL:HA	4	0.34
(2,373)	1:701:B:VAL:HG23	1:698:B:VAL:HA	4	0.34
(2,294)	1:682:B:ILE:HG21	1:685:B:PHE:HB2	13	0.34
(2,294)	1:682:B:ILE:HG21	1:685:B:PHE:HB3	13	0.34
(2,294)	1:682:B:ILE:HG22	1:685:B:PHE:HB2	13	0.34
(2,294)	1:682:B:ILE:HG22	1:685:B:PHE:HB3	13	0.34
(2,294)	1:682:B:ILE:HG23	1:685:B:PHE:HB2	13	0.34
(2,294)	1:682:B:ILE:HG23	1:685:B:PHE:HB3	13	0.34
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	13	0.34
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	13	0.34
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	13	0.34
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	2	0.34
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	2	0.34
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	5	0.34
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	5	0.34
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	13	0.34
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	13	0.34
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	2	0.34
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	2	0.34
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	2	0.34
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	2	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD11	4	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD12	4	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD13	4	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD21	4	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD22	4	0.34
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD23	4	0.34
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	6	0.34
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	6	0.34
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	6	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	10	0.34
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	10	0.34
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	10	0.34
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	10	0.34
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	10	0.34
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	10	0.34
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD2	10	0.34
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD3	10	0.34
(2,102)	1:759:A:ASP:H	1:709:B:ARG:HD2	12	0.34
(2,102)	1:759:A:ASP:H	1:709:B:ARG:HD3	12	0.34
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	1	0.34
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	1	0.34
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	6	0.34
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	6	0.34
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	6	0.34
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	6	0.34
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	6	0.34
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	6	0.34
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.34
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.34
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.34
(2,1468)	1:797:A:TRP:H	1:796:A:TRP:HD1	3	0.33
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	10	0.33
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	10	0.33
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	10	0.33
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	8	0.33
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	3	0.33
(2,1386)	1:774:A:LEU:H	1:764:A:SER:HA	12	0.33
(2,1372)	1:764:A:SER:H	1:761:A:ARG:HA	7	0.33
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	2	0.33
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	2	0.33
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	8	0.33
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	15	0.33
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	7	0.33
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	7	0.33
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	7	0.33
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	7	0.33
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	7	0.33
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	7	0.33
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	5	0.33
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	5	0.33
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	6	0.33
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	6	0.33
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	4	0.33
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	4	0.33
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	4	0.33
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	4	0.33
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	4	0.33
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	4	0.33
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	10	0.33
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	10	0.33
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	10	0.33
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	10	0.33
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	10	0.33
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	10	0.33
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	6	0.33
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	6	0.33
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	6	0.33
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	6	0.33
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	6	0.33
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	6	0.33
(2,1183)	1:692:A:LEU:HD12	1:696:A:ARG:HH11	4	0.33
(2,1043)	1:797:A:TRP:H	1:796:A:TRP:HD1	3	0.33
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	10	0.33
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	10	0.33
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	10	0.33
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	8	0.33
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	3	0.33
(2,961)	1:774:A:LEU:H	1:764:A:SER:HA	12	0.33
(2,947)	1:764:A:SER:H	1:761:A:ARG:HA	7	0.33
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	2	0.33
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	2	0.33
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	8	0.33
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	15	0.33
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	7	0.33
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	7	0.33
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	7	0.33
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	7	0.33
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	7	0.33
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	7	0.33
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	5	0.33
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	5	0.33
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	5	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	6	0.33
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	6	0.33
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	4	0.33
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	4	0.33
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	4	0.33
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	4	0.33
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	4	0.33
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	4	0.33
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	10	0.33
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	10	0.33
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	10	0.33
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	10	0.33
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	10	0.33
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	10	0.33
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	6	0.33
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	6	0.33
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	6	0.33
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	6	0.33
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	6	0.33
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	6	0.33
(2,758)	1:692:A:LEU:HD12	1:696:A:ARG:HH11	4	0.33
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	12	0.33
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	12	0.33
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	10	0.33
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	10	0.33
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	2	0.33
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	10	0.33
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	12	0.33
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	12	0.33
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	12	0.33
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	12	0.33
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	12	0.33
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	12	0.33
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	2	0.33
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	2	0.33
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	2	0.33
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	2	0.33
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	2	0.33
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	2	0.33
(2,491)	1:753:B:LEU:HD11	1:757:B:TRP:HB2	6	0.33
(2,491)	1:753:B:LEU:HD11	1:757:B:TRP:HB3	6	0.33
(2,491)	1:753:B:LEU:HD12	1:757:B:TRP:HB2	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,491)	1:753:B:LEU:HD12	1:757:B:TRP:HB3	6	0.33
(2,491)	1:753:B:LEU:HD13	1:757:B:TRP:HB2	6	0.33
(2,491)	1:753:B:LEU:HD13	1:757:B:TRP:HB3	6	0.33
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	9	0.33
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	7	0.33
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	7	0.33
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	13	0.33
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	6	0.33
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	6	0.33
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	6	0.33
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	6	0.33
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	6	0.33
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	6	0.33
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD2	10	0.33
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD3	10	0.33
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	11	0.33
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	11	0.33
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	11	0.33
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	11	0.33
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	11	0.33
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	11	0.33
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	7	0.33
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	7	0.33
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	7	0.33
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	8	0.33
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	8	0.33
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	8	0.33
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	13	0.33
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	13	0.33
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	13	0.33
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	14	0.33
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	14	0.33
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	14	0.33
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	14	0.33
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	14	0.33
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	14	0.33
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	3	0.33
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	3	0.33
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	3	0.33
(2,210)	1:839:A:ALA:H	1:808:A:LYS:HD2	15	0.33
(2,210)	1:839:A:ALA:H	1:808:A:LYS:HD3	15	0.33
(2,209)	1:839:A:ALA:H	1:808:A:LYS:HD2	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,209)	1:839:A:ALA:H	1:808:A:LYS:HD3	15	0.33
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD11	4	0.33
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD12	4	0.33
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD13	4	0.33
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	11	0.33
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	11	0.33
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	11	0.33
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	11	0.33
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	3	0.33
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	3	0.33
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	14	0.33
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	14	0.33
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD2	15	0.33
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD3	15	0.33
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD2	15	0.33
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD3	15	0.33
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	6	0.33
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	15	0.33
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	15	0.33
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	4	0.33
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	4	0.33
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	6	0.33
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	6	0.33
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	6	0.33
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	6	0.33
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	6	0.33
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	6	0.33
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG21	7	0.33
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG22	7	0.33
(2,32)	1:687:A:ILE:HG21	1:689:A:VAL:HG23	7	0.33
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG21	7	0.33
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG22	7	0.33
(2,32)	1:687:A:ILE:HG22	1:689:A:VAL:HG23	7	0.33
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG21	7	0.33
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG22	7	0.33
(2,32)	1:687:A:ILE:HG23	1:689:A:VAL:HG23	7	0.33
(2,1476)	1:817:A:ALA:H	1:816:A:ASN:HB2	1	0.32
(2,1476)	1:817:A:ALA:H	1:816:A:ASN:HB3	1	0.32
(2,1473)	1:803:A:TRP:HE1	1:799:A:LEU:HD11	7	0.32
(2,1473)	1:803:A:TRP:HE1	1:799:A:LEU:HD12	7	0.32
(2,1473)	1:803:A:TRP:HE1	1:799:A:LEU:HD13	7	0.32
(2,1473)	1:803:A:TRP:HE1	1:799:A:LEU:HD21	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1473)	1:803:A:TRP:HE1	1:799:A:LEU:HD22	7	0.32
(2,1473)	1:803:A:TRP:HE1	1:799:A:LEU:HD23	7	0.32
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	4	0.32
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	13	0.32
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	10	0.32
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	10	0.32
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	10	0.32
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	10	0.32
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	10	0.32
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	10	0.32
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	13	0.32
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	13	0.32
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	13	0.32
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	13	0.32
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	13	0.32
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	13	0.32
(2,1368)	1:763:A:LEU:HD11	1:759:A:ASP:HA	9	0.32
(2,1368)	1:763:A:LEU:HD12	1:759:A:ASP:HA	9	0.32
(2,1368)	1:763:A:LEU:HD13	1:759:A:ASP:HA	9	0.32
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	12	0.32
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	9	0.32
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	9	0.32
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	15	0.32
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	15	0.32
(2,1322)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	15	0.32
(2,1322)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	15	0.32
(2,1322)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	15	0.32
(2,1313)	1:746:A:ILE:H	1:742:A:ARG:HA	9	0.32
(2,1253)	1:705:A:VAL:HG11	1:709:A:ARG:HD2	10	0.32
(2,1253)	1:705:A:VAL:HG11	1:709:A:ARG:HD3	10	0.32
(2,1253)	1:705:A:VAL:HG12	1:709:A:ARG:HD2	10	0.32
(2,1253)	1:705:A:VAL:HG12	1:709:A:ARG:HD3	10	0.32
(2,1253)	1:705:A:VAL:HG13	1:709:A:ARG:HD2	10	0.32
(2,1253)	1:705:A:VAL:HG13	1:709:A:ARG:HD3	10	0.32
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	12	0.32
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	12	0.32
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	12	0.32
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	14	0.32
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	14	0.32
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	14	0.32
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	14	0.32
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	14	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	14	0.32
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	9	0.32
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	9	0.32
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	9	0.32
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	9	0.32
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	9	0.32
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	9	0.32
(2,1173)	1:688:A:ILE:HD11	1:684:A:ILE:HD11	7	0.32
(2,1173)	1:688:A:ILE:HD11	1:684:A:ILE:HD12	7	0.32
(2,1173)	1:688:A:ILE:HD11	1:684:A:ILE:HD13	7	0.32
(2,1173)	1:688:A:ILE:HD12	1:684:A:ILE:HD11	7	0.32
(2,1173)	1:688:A:ILE:HD12	1:684:A:ILE:HD12	7	0.32
(2,1173)	1:688:A:ILE:HD12	1:684:A:ILE:HD13	7	0.32
(2,1173)	1:688:A:ILE:HD13	1:684:A:ILE:HD11	7	0.32
(2,1173)	1:688:A:ILE:HD13	1:684:A:ILE:HD12	7	0.32
(2,1173)	1:688:A:ILE:HD13	1:684:A:ILE:HD13	7	0.32
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	3	0.32
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	3	0.32
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	3	0.32
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	3	0.32
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	3	0.32
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	3	0.32
(2,1143)	1:682:A:ILE:HG21	1:679:A:LEU:H	6	0.32
(2,1143)	1:682:A:ILE:HG22	1:679:A:LEU:H	6	0.32
(2,1143)	1:682:A:ILE:HG23	1:679:A:LEU:H	6	0.32
(2,1051)	1:817:A:ALA:H	1:816:A:ASN:HB2	1	0.32
(2,1051)	1:817:A:ALA:H	1:816:A:ASN:HB3	1	0.32
(2,1048)	1:803:A:TRP:HE1	1:799:A:LEU:HD11	7	0.32
(2,1048)	1:803:A:TRP:HE1	1:799:A:LEU:HD12	7	0.32
(2,1048)	1:803:A:TRP:HE1	1:799:A:LEU:HD13	7	0.32
(2,1048)	1:803:A:TRP:HE1	1:799:A:LEU:HD21	7	0.32
(2,1048)	1:803:A:TRP:HE1	1:799:A:LEU:HD22	7	0.32
(2,1048)	1:803:A:TRP:HE1	1:799:A:LEU:HD23	7	0.32
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	4	0.32
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	13	0.32
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	10	0.32
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	10	0.32
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	10	0.32
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	10	0.32
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	10	0.32
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	10	0.32
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	13	0.32
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	13	0.32
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	13	0.32
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	13	0.32
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	13	0.32
(2,943)	1:763:A:LEU:HD11	1:759:A:ASP:HA	9	0.32
(2,943)	1:763:A:LEU:HD12	1:759:A:ASP:HA	9	0.32
(2,943)	1:763:A:LEU:HD13	1:759:A:ASP:HA	9	0.32
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	12	0.32
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	9	0.32
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	9	0.32
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	15	0.32
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	15	0.32
(2,897)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	15	0.32
(2,897)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	15	0.32
(2,897)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	15	0.32
(2,888)	1:746:A:ILE:H	1:742:A:ARG:HA	9	0.32
(2,828)	1:705:A:VAL:HG11	1:709:A:ARG:HD2	10	0.32
(2,828)	1:705:A:VAL:HG11	1:709:A:ARG:HD3	10	0.32
(2,828)	1:705:A:VAL:HG12	1:709:A:ARG:HD2	10	0.32
(2,828)	1:705:A:VAL:HG12	1:709:A:ARG:HD3	10	0.32
(2,828)	1:705:A:VAL:HG13	1:709:A:ARG:HD2	10	0.32
(2,828)	1:705:A:VAL:HG13	1:709:A:ARG:HD3	10	0.32
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	12	0.32
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	12	0.32
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	12	0.32
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	14	0.32
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	14	0.32
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	14	0.32
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	14	0.32
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	14	0.32
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	14	0.32
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	9	0.32
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	9	0.32
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	9	0.32
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	9	0.32
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	9	0.32
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	9	0.32
(2,748)	1:688:A:ILE:HD11	1:684:A:ILE:HD11	7	0.32
(2,748)	1:688:A:ILE:HD11	1:684:A:ILE:HD12	7	0.32
(2,748)	1:688:A:ILE:HD11	1:684:A:ILE:HD13	7	0.32
(2,748)	1:688:A:ILE:HD12	1:684:A:ILE:HD11	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,748)	1:688:A:ILE:HD12	1:684:A:ILE:HD12	7	0.32
(2,748)	1:688:A:ILE:HD12	1:684:A:ILE:HD13	7	0.32
(2,748)	1:688:A:ILE:HD13	1:684:A:ILE:HD11	7	0.32
(2,748)	1:688:A:ILE:HD13	1:684:A:ILE:HD12	7	0.32
(2,748)	1:688:A:ILE:HD13	1:684:A:ILE:HD13	7	0.32
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	3	0.32
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	3	0.32
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	3	0.32
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	3	0.32
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	3	0.32
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	3	0.32
(2,718)	1:682:A:ILE:HG21	1:679:A:LEU:H	6	0.32
(2,718)	1:682:A:ILE:HG22	1:679:A:LEU:H	6	0.32
(2,718)	1:682:A:ILE:HG23	1:679:A:LEU:H	6	0.32
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	13	0.32
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	13	0.32
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	13	0.32
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	13	0.32
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	13	0.32
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	13	0.32
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	2	0.32
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	2	0.32
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	2	0.32
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD11	10	0.32
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD12	10	0.32
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD13	10	0.32
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD21	10	0.32
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD22	10	0.32
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD23	10	0.32
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	9	0.32
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	10	0.32
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	12	0.32
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	12	0.32
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	12	0.32
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	12	0.32
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	12	0.32
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	12	0.32
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD2	2	0.32
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD3	2	0.32
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD2	2	0.32
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD3	2	0.32
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD2	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD3	2	0.32
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	7	0.32
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	7	0.32
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	7	0.32
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA2	4	0.32
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA3	4	0.32
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA2	4	0.32
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA3	4	0.32
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA2	4	0.32
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA3	4	0.32
(2,333)	1:692:B:LEU:HD11	1:696:B:ARG:HH11	2	0.32
(2,327)	1:689:B:VAL:HG21	1:685:B:PHE:HE1	13	0.32
(2,327)	1:689:B:VAL:HG21	1:685:B:PHE:HE2	13	0.32
(2,327)	1:689:B:VAL:HG22	1:685:B:PHE:HE1	13	0.32
(2,327)	1:689:B:VAL:HG22	1:685:B:PHE:HE2	13	0.32
(2,327)	1:689:B:VAL:HG23	1:685:B:PHE:HE1	13	0.32
(2,327)	1:689:B:VAL:HG23	1:685:B:PHE:HE2	13	0.32
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	15	0.32
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	15	0.32
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	15	0.32
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB1	9	0.32
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB2	9	0.32
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB3	9	0.32
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB1	9	0.32
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB2	9	0.32
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB3	9	0.32
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB1	9	0.32
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB2	9	0.32
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB3	9	0.32
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG12	15	0.32
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG13	15	0.32
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	2	0.32
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	2	0.32
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	2	0.32
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	2	0.32
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	2	0.32
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	2	0.32
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	4	0.32
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	4	0.32
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	11	0.32
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	11	0.32
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	9	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	1	0.32
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	1	0.32
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	1	0.32
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	1	0.32
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG12	15	0.32
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG13	15	0.32
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	8	0.32
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	8	0.32
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	8	0.32
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	8	0.32
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	8	0.32
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	8	0.32
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	8	0.32
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	8	0.32
(2,117)	1:781:A:ILE:HD11	1:746:B:ILE:HG12	2	0.32
(2,117)	1:781:A:ILE:HD11	1:746:B:ILE:HG13	2	0.32
(2,117)	1:781:A:ILE:HD12	1:746:B:ILE:HG12	2	0.32
(2,117)	1:781:A:ILE:HD12	1:746:B:ILE:HG13	2	0.32
(2,117)	1:781:A:ILE:HD13	1:746:B:ILE:HG12	2	0.32
(2,117)	1:781:A:ILE:HD13	1:746:B:ILE:HG13	2	0.32
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	6	0.32
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	6	0.32
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	1	0.32
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	1	0.32
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	1	0.32
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	1	0.32
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	1	0.32
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	1	0.32
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	13	0.32
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	13	0.32
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	13	0.32
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	13	0.32
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	13	0.32
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	13	0.32
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	14	0.32
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	14	0.32
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	14	0.32
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	14	0.32
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	14	0.32
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	14	0.32
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	11	0.32
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.32
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	11	0.32
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	1	0.32
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.32
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	11	0.32
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	1	0.32
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.32
(2,1470)	1:802:A:TYR:H	1:802:A:TYR:HB3	3	0.31
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	6	0.31
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	13	0.31
(2,1395)	1:775:A:LEU:HD11	1:772:A:ARG:HA	6	0.31
(2,1395)	1:775:A:LEU:HD12	1:772:A:ARG:HA	6	0.31
(2,1395)	1:775:A:LEU:HD13	1:772:A:ARG:HA	6	0.31
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	2	0.31
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	5	0.31
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB2	5	0.31
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB3	5	0.31
(2,1368)	1:763:A:LEU:HD11	1:759:A:ASP:HA	5	0.31
(2,1368)	1:763:A:LEU:HD12	1:759:A:ASP:HA	5	0.31
(2,1368)	1:763:A:LEU:HD13	1:759:A:ASP:HA	5	0.31
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	13	0.31
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	13	0.31
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	13	0.31
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	13	0.31
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	13	0.31
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	13	0.31
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	12	0.31
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	12	0.31
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	3	0.31
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	3	0.31
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG2	14	0.31
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG3	14	0.31
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	4	0.31
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	11	0.31
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	11	0.31
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	11	0.31
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	11	0.31
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	11	0.31
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	11	0.31
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	11	0.31
(2,1180)	1:692:A:LEU:HD11	1:689:A:VAL:HA	8	0.31
(2,1180)	1:692:A:LEU:HD12	1:689:A:VAL:HA	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1180)	1:692:A:LEU:HD13	1:689:A:VAL:HA	8	0.31
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	7	0.31
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	7	0.31
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	7	0.31
(2,1045)	1:802:A:TYR:H	1:802:A:TYR:HB3	3	0.31
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	6	0.31
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	13	0.31
(2,970)	1:775:A:LEU:HD11	1:772:A:ARG:HA	6	0.31
(2,970)	1:775:A:LEU:HD12	1:772:A:ARG:HA	6	0.31
(2,970)	1:775:A:LEU:HD13	1:772:A:ARG:HA	6	0.31
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	2	0.31
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	5	0.31
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB2	5	0.31
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB3	5	0.31
(2,943)	1:763:A:LEU:HD11	1:759:A:ASP:HA	5	0.31
(2,943)	1:763:A:LEU:HD12	1:759:A:ASP:HA	5	0.31
(2,943)	1:763:A:LEU:HD13	1:759:A:ASP:HA	5	0.31
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	13	0.31
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	13	0.31
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	13	0.31
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	13	0.31
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	13	0.31
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	13	0.31
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	12	0.31
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	12	0.31
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	3	0.31
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	3	0.31
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG2	14	0.31
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG3	14	0.31
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	4	0.31
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	11	0.31
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	11	0.31
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	11	0.31
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	11	0.31
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	11	0.31
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	11	0.31
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	11	0.31
(2,755)	1:692:A:LEU:HD11	1:689:A:VAL:HA	8	0.31
(2,755)	1:692:A:LEU:HD12	1:689:A:VAL:HA	8	0.31
(2,755)	1:692:A:LEU:HD13	1:689:A:VAL:HA	8	0.31
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	7	0.31
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	7	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	7	0.31
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	3	0.31
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	5	0.31
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	9	0.31
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	9	0.31
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	9	0.31
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	9	0.31
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	9	0.31
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	9	0.31
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	12	0.31
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	12	0.31
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	6	0.31
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	5	0.31
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	13	0.31
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	13	0.31
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	13	0.31
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	14	0.31
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	14	0.31
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	14	0.31
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	12	0.31
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	12	0.31
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	12	0.31
(2,390)	1:704:B:LEU:H	1:704:B:LEU:HB3	6	0.31
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	6	0.31
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	6	0.31
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	6	0.31
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	2	0.31
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	8	0.31
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	8	0.31
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	2	0.31
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	2	0.31
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	8	0.31
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	8	0.31
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	15	0.31
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	15	0.31
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	1	0.31
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	1	0.31
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	7	0.31
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	7	0.31
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	7	0.31
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	7	0.31
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	11	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	11	0.31
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	11	0.31
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	11	0.31
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	11	0.31
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	11	0.31
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD11	5	0.31
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD12	5	0.31
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD13	5	0.31
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	13	0.31
(1,173)	1:790:B:TRP:O	1:794:B:LYS:H	5	0.31
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	13	0.31
(1,87)	1:790:B:TRP:O	1:794:B:LYS:H	5	0.31
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	13	0.31
(1,1)	1:790:B:TRP:O	1:794:B:LYS:H	5	0.31
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	4	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	4	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	4	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	4	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	4	0.3
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	4	0.3
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	6	0.3
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	6	0.3
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	6	0.3
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	6	0.3
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	6	0.3
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	6	0.3
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	10	0.3
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	8	0.3
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	8	0.3
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	8	0.3
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	8	0.3
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	8	0.3
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	8	0.3
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	2	0.3
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	2	0.3
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	7	0.3
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	11	0.3
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	11	0.3
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	7	0.3
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	1	0.3
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	1	0.3
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	1	0.3
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	1	0.3
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	1	0.3
(2,1251)	1:705:A:VAL:HG11	1:702:A:LEU:HA	5	0.3
(2,1251)	1:705:A:VAL:HG12	1:702:A:LEU:HA	5	0.3
(2,1251)	1:705:A:VAL:HG13	1:702:A:LEU:HA	5	0.3
(2,1222)	1:701:A:VAL:HG11	1:698:A:VAL:HA	15	0.3
(2,1222)	1:701:A:VAL:HG12	1:698:A:VAL:HA	15	0.3
(2,1222)	1:701:A:VAL:HG13	1:698:A:VAL:HA	15	0.3
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	3	0.3
(2,1182)	1:692:A:LEU:HD11	1:691:A:SER:HB2	10	0.3
(2,1182)	1:692:A:LEU:HD11	1:691:A:SER:HB3	10	0.3
(2,1182)	1:692:A:LEU:HD12	1:691:A:SER:HB2	10	0.3
(2,1182)	1:692:A:LEU:HD12	1:691:A:SER:HB3	10	0.3
(2,1182)	1:692:A:LEU:HD13	1:691:A:SER:HB2	10	0.3
(2,1182)	1:692:A:LEU:HD13	1:691:A:SER:HB3	10	0.3
(2,1144)	1:682:A:ILE:HG21	1:685:A:PHE:HB2	9	0.3
(2,1144)	1:682:A:ILE:HG21	1:685:A:PHE:HB3	9	0.3
(2,1144)	1:682:A:ILE:HG22	1:685:A:PHE:HB2	9	0.3
(2,1144)	1:682:A:ILE:HG22	1:685:A:PHE:HB3	9	0.3
(2,1144)	1:682:A:ILE:HG23	1:685:A:PHE:HB2	9	0.3
(2,1144)	1:682:A:ILE:HG23	1:685:A:PHE:HB3	9	0.3
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	9	0.3
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	9	0.3
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	9	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	4	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	4	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	4	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	4	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	4	0.3
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	4	0.3
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	6	0.3
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	6	0.3
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	6	0.3
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	6	0.3
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	6	0.3
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	6	0.3
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	10	0.3
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	8	0.3
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	8	0.3
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	8	0.3
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	8	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	8	0.3
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	8	0.3
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	2	0.3
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	2	0.3
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	7	0.3
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	11	0.3
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	11	0.3
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	7	0.3
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	1	0.3
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	1	0.3
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	1	0.3
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	1	0.3
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	1	0.3
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	1	0.3
(2,826)	1:705:A:VAL:HG11	1:702:A:LEU:HA	5	0.3
(2,826)	1:705:A:VAL:HG12	1:702:A:LEU:HA	5	0.3
(2,826)	1:705:A:VAL:HG13	1:702:A:LEU:HA	5	0.3
(2,797)	1:701:A:VAL:HG11	1:698:A:VAL:HA	15	0.3
(2,797)	1:701:A:VAL:HG12	1:698:A:VAL:HA	15	0.3
(2,797)	1:701:A:VAL:HG13	1:698:A:VAL:HA	15	0.3
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	3	0.3
(2,757)	1:692:A:LEU:HD11	1:691:A:SER:HB2	10	0.3
(2,757)	1:692:A:LEU:HD11	1:691:A:SER:HB3	10	0.3
(2,757)	1:692:A:LEU:HD12	1:691:A:SER:HB2	10	0.3
(2,757)	1:692:A:LEU:HD12	1:691:A:SER:HB3	10	0.3
(2,757)	1:692:A:LEU:HD13	1:691:A:SER:HB2	10	0.3
(2,757)	1:692:A:LEU:HD13	1:691:A:SER:HB3	10	0.3
(2,719)	1:682:A:ILE:HG21	1:685:A:PHE:HB2	9	0.3
(2,719)	1:682:A:ILE:HG21	1:685:A:PHE:HB3	9	0.3
(2,719)	1:682:A:ILE:HG22	1:685:A:PHE:HB2	9	0.3
(2,719)	1:682:A:ILE:HG22	1:685:A:PHE:HB3	9	0.3
(2,719)	1:682:A:ILE:HG23	1:685:A:PHE:HB2	9	0.3
(2,719)	1:682:A:ILE:HG23	1:685:A:PHE:HB3	9	0.3
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	9	0.3
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	9	0.3
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	9	0.3
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD11	9	0.3
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD12	9	0.3
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD13	9	0.3
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD21	9	0.3
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD22	9	0.3
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD23	9	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD11	7	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD12	7	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD13	7	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD21	7	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD22	7	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD23	7	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD11	8	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD12	8	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD13	8	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD21	8	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD22	8	0.3
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD23	8	0.3
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	12	0.3
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	12	0.3
(2,586)	1:782:B:VAL:HG21	1:779:B:THR:HA	6	0.3
(2,586)	1:782:B:VAL:HG22	1:779:B:THR:HA	6	0.3
(2,586)	1:782:B:VAL:HG23	1:779:B:THR:HA	6	0.3
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	6	0.3
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	9	0.3
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	1	0.3
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	1	0.3
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	1	0.3
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	1	0.3
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	1	0.3
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	1	0.3
(2,473)	1:746:B:ILE:HG21	1:750:B:ASN:HD22	3	0.3
(2,473)	1:746:B:ILE:HG22	1:750:B:ASN:HD22	3	0.3
(2,473)	1:746:B:ILE:HG23	1:750:B:ASN:HD22	3	0.3
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	8	0.3
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	8	0.3
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	8	0.3
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	9	0.3
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	12	0.3
(2,438)	1:709:B:ARG:HE	1:709:B:ARG:H	11	0.3
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	7	0.3
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	7	0.3
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	7	0.3
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	7	0.3
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	7	0.3
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	7	0.3
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	10	0.3
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	4	0.3
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	4	0.3
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	4	0.3
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	4	0.3
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	4	0.3
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	4	0.3
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	11	0.3
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	11	0.3
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	11	0.3
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	11	0.3
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	11	0.3
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	11	0.3
(2,296)	1:682:B:ILE:HD11	1:681:B:TYR:H	14	0.3
(2,296)	1:682:B:ILE:HD12	1:681:B:TYR:H	14	0.3
(2,296)	1:682:B:ILE:HD13	1:681:B:TYR:H	14	0.3
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	14	0.3
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	14	0.3
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	14	0.3
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	4	0.3
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	4	0.3
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	3	0.3
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	3	0.3
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	4	0.3
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	5	0.3
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	5	0.3
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	8	0.3
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	8	0.3
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	5	0.3
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	5	0.3
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	8	0.3
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	8	0.3
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	12	0.3
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	12	0.3
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG12	1	0.3
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG13	1	0.3
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG21	1	0.3
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG22	1	0.3
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG23	1	0.3
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG21	7	0.3
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG22	7	0.3
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG23	7	0.3
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	4	0.3
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	4	0.3
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	4	0.3
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	4	0.3
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	4	0.3
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD1	14	0.3
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD2	14	0.3
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD1	14	0.3
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD2	14	0.3
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD1	14	0.3
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD2	14	0.3
(1,177)	1:792:B:ALA:O	1:796:B:TRP:H	11	0.3
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	6	0.3
(1,91)	1:792:B:ALA:O	1:796:B:TRP:H	11	0.3
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	6	0.3
(1,5)	1:792:B:ALA:O	1:796:B:TRP:H	11	0.3
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	6	0.3
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	4	0.29
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	4	0.29
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	12	0.29
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	12	0.29
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	12	0.29
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD2	14	0.29
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD3	14	0.29
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	5	0.29
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	5	0.29
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	5	0.29
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	5	0.29
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	5	0.29
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	5	0.29
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB2	3	0.29
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB3	3	0.29
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	8	0.29
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	14	0.29
(2,1322)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	14	0.29
(2,1322)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	14	0.29
(2,1322)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	14	0.29
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	9	0.29
(2,1122)	1:674:A:ASP:H	1:677:A:ASN:H	1	0.29
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	7	0.29
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	7	0.29
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	7	0.29
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	7	0.29
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	7	0.29
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	4	0.29
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	4	0.29
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	12	0.29
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	12	0.29
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	12	0.29
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD2	14	0.29
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD3	14	0.29
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	5	0.29
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	5	0.29
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	5	0.29
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	5	0.29
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	5	0.29
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	5	0.29
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB2	3	0.29
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB3	3	0.29
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	8	0.29
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	14	0.29
(2,897)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	14	0.29
(2,897)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	14	0.29
(2,897)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	14	0.29
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	9	0.29
(2,697)	1:674:A:ASP:H	1:677:A:ASN:H	1	0.29
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	7	0.29
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	7	0.29
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	7	0.29
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	7	0.29
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	7	0.29
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	7	0.29
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG11	10	0.29
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG12	10	0.29
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG13	10	0.29
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG21	10	0.29
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG22	10	0.29
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG23	10	0.29
(2,586)	1:782:B:VAL:HG21	1:779:B:THR:HA	13	0.29
(2,586)	1:782:B:VAL:HG22	1:779:B:THR:HA	13	0.29
(2,586)	1:782:B:VAL:HG23	1:779:B:THR:HA	13	0.29
(2,575)	1:781:B:ILE:H	1:778:B:VAL:HA	5	0.29
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD2	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD3	12	0.29
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD2	12	0.29
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD3	12	0.29
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD2	12	0.29
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD3	12	0.29
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD2	14	0.29
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD3	14	0.29
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	2	0.29
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	2	0.29
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	9	0.29
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	9	0.29
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	5	0.29
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	5	0.29
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	5	0.29
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	5	0.29
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	5	0.29
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	5	0.29
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	2	0.29
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	2	0.29
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	2	0.29
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	3	0.29
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	3	0.29
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	14	0.29
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	14	0.29
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	9	0.29
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	9	0.29
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	6	0.29
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	6	0.29
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	6	0.29
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	6	0.29
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	14	0.29
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	14	0.29
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	14	0.29
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	14	0.29
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	14	0.29
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	14	0.29
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG21	3	0.29
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG22	3	0.29
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG23	3	0.29
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB1	14	0.29
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB2	14	0.29
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB3	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB1	14	0.29
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB2	14	0.29
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB3	14	0.29
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB1	14	0.29
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB2	14	0.29
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB3	14	0.29
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	13	0.28
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	13	0.28
(2,1476)	1:817:A:ALA:H	1:816:A:ASN:HB2	2	0.28
(2,1476)	1:817:A:ALA:H	1:816:A:ASN:HB3	2	0.28
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	13	0.28
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	1	0.28
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	5	0.28
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	9	0.28
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	8	0.28
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	9	0.28
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	8	0.28
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	8	0.28
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	8	0.28
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	8	0.28
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	8	0.28
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	8	0.28
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	4	0.28
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	4	0.28
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	4	0.28
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	4	0.28
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	4	0.28
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	4	0.28
(2,1366)	1:760:A:LEU:HD21	1:768:A:TYR:HE1	11	0.28
(2,1366)	1:760:A:LEU:HD21	1:768:A:TYR:HE2	11	0.28
(2,1366)	1:760:A:LEU:HD22	1:768:A:TYR:HE1	11	0.28
(2,1366)	1:760:A:LEU:HD22	1:768:A:TYR:HE2	11	0.28
(2,1366)	1:760:A:LEU:HD23	1:768:A:TYR:HE1	11	0.28
(2,1366)	1:760:A:LEU:HD23	1:768:A:TYR:HE2	11	0.28
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	5	0.28
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	5	0.28
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	5	0.28
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	5	0.28
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	5	0.28
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	5	0.28
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	9	0.28
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	9	0.28
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	9	0.28
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	9	0.28
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	9	0.28
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	14	0.28
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	14	0.28
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	3	0.28
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	3	0.28
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	3	0.28
(2,1176)	1:689:A:VAL:HG21	1:685:A:PHE:HD1	9	0.28
(2,1176)	1:689:A:VAL:HG21	1:685:A:PHE:HD2	9	0.28
(2,1176)	1:689:A:VAL:HG22	1:685:A:PHE:HD1	9	0.28
(2,1176)	1:689:A:VAL:HG22	1:685:A:PHE:HD2	9	0.28
(2,1176)	1:689:A:VAL:HG23	1:685:A:PHE:HD1	9	0.28
(2,1176)	1:689:A:VAL:HG23	1:685:A:PHE:HD2	9	0.28
(2,1169)	1:686:A:ILE:HD11	1:685:A:PHE:HD1	9	0.28
(2,1169)	1:686:A:ILE:HD11	1:685:A:PHE:HD2	9	0.28
(2,1169)	1:686:A:ILE:HD12	1:685:A:PHE:HD1	9	0.28
(2,1169)	1:686:A:ILE:HD12	1:685:A:PHE:HD2	9	0.28
(2,1169)	1:686:A:ILE:HD13	1:685:A:PHE:HD1	9	0.28
(2,1169)	1:686:A:ILE:HD13	1:685:A:PHE:HD2	9	0.28
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	9	0.28
(2,1145)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	9	0.28
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	9	0.28
(2,1145)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	9	0.28
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	9	0.28
(2,1145)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	9	0.28
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	4	0.28
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	4	0.28
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	4	0.28
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	13	0.28
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	13	0.28
(2,1051)	1:817:A:ALA:H	1:816:A:ASN:HB2	2	0.28
(2,1051)	1:817:A:ALA:H	1:816:A:ASN:HB3	2	0.28
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	13	0.28
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	1	0.28
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	5	0.28
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	9	0.28
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	8	0.28
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	9	0.28
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	8	0.28
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	8	0.28
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	8	0.28
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	8	0.28
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	8	0.28
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	4	0.28
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	4	0.28
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	4	0.28
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	4	0.28
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	4	0.28
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	4	0.28
(2,941)	1:760:A:LEU:HD21	1:768:A:TYR:HE1	11	0.28
(2,941)	1:760:A:LEU:HD21	1:768:A:TYR:HE2	11	0.28
(2,941)	1:760:A:LEU:HD22	1:768:A:TYR:HE1	11	0.28
(2,941)	1:760:A:LEU:HD22	1:768:A:TYR:HE2	11	0.28
(2,941)	1:760:A:LEU:HD23	1:768:A:TYR:HE1	11	0.28
(2,941)	1:760:A:LEU:HD23	1:768:A:TYR:HE2	11	0.28
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	5	0.28
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	5	0.28
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	5	0.28
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	5	0.28
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	5	0.28
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	5	0.28
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	9	0.28
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	9	0.28
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	9	0.28
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	9	0.28
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	9	0.28
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	9	0.28
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	14	0.28
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	14	0.28
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	3	0.28
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	3	0.28
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	3	0.28
(2,751)	1:689:A:VAL:HG21	1:685:A:PHE:HD1	9	0.28
(2,751)	1:689:A:VAL:HG21	1:685:A:PHE:HD2	9	0.28
(2,751)	1:689:A:VAL:HG22	1:685:A:PHE:HD1	9	0.28
(2,751)	1:689:A:VAL:HG22	1:685:A:PHE:HD2	9	0.28
(2,751)	1:689:A:VAL:HG23	1:685:A:PHE:HD1	9	0.28
(2,751)	1:689:A:VAL:HG23	1:685:A:PHE:HD2	9	0.28
(2,744)	1:686:A:ILE:HD11	1:685:A:PHE:HD1	9	0.28
(2,744)	1:686:A:ILE:HD11	1:685:A:PHE:HD2	9	0.28
(2,744)	1:686:A:ILE:HD12	1:685:A:PHE:HD1	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,744)	1:686:A:ILE:HD12	1:685:A:PHE:HD2	9	0.28
(2,744)	1:686:A:ILE:HD13	1:685:A:PHE:HD1	9	0.28
(2,744)	1:686:A:ILE:HD13	1:685:A:PHE:HD2	9	0.28
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD1	9	0.28
(2,720)	1:682:A:ILE:HG21	1:685:A:PHE:HD2	9	0.28
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD1	9	0.28
(2,720)	1:682:A:ILE:HG22	1:685:A:PHE:HD2	9	0.28
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD1	9	0.28
(2,720)	1:682:A:ILE:HG23	1:685:A:PHE:HD2	9	0.28
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	4	0.28
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	4	0.28
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	4	0.28
(2,630)	1:835:B:GLY:H	1:834:B:GLN:HE21	7	0.28
(2,630)	1:835:B:GLY:H	1:834:B:GLN:HE22	7	0.28
(2,629)	1:835:B:GLY:H	1:834:B:GLN:HG2	6	0.28
(2,629)	1:835:B:GLY:H	1:834:B:GLN:HG3	6	0.28
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD11	6	0.28
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD12	6	0.28
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD13	6	0.28
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD11	11	0.28
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD12	11	0.28
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD13	11	0.28
(2,575)	1:781:B:ILE:H	1:778:B:VAL:HA	1	0.28
(2,575)	1:781:B:ILE:H	1:778:B:VAL:HA	14	0.28
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	7	0.28
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	10	0.28
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	1	0.28
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	1	0.28
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	2	0.28
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	2	0.28
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	14	0.28
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	14	0.28
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	15	0.28
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	15	0.28
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	7	0.28
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	7	0.28
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	7	0.28
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	7	0.28
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	7	0.28
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	7	0.28
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	12	0.28
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	12	0.28
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	12	0.28
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	12	0.28
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	12	0.28
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	6	0.28
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	6	0.28
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	6	0.28
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	14	0.28
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	9	0.28
(2,241)	1:666:B:TRP:HE1	1:662:B:GLU:H	10	0.28
(2,225)	1:664:B:ASP:H	1:663:B:LEU:H	13	0.28
(2,219)	1:663:B:LEU:H	1:664:B:ASP:H	13	0.28
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	12	0.28
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	12	0.28
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	12	0.28
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	12	0.28
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	12	0.28
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	9	0.28
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	9	0.28
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	11	0.28
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	10	0.28
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	10	0.28
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	10	0.28
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	10	0.28
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	7	0.28
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	7	0.28
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	7	0.28
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	7	0.28
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD21	10	0.28
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD22	10	0.28
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD23	10	0.28
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	11	0.28
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	11	0.28
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	10	0.28
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	10	0.28
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	10	0.28
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	10	0.28
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	10	0.28
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	10	0.28
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	12	0.28
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	12	0.28
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	12	0.28
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	12	0.28
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	12	0.28
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	12	0.28
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	12	0.28
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	9	0.28
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	5	0.28
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	8	0.28
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	12	0.28
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	9	0.28
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	5	0.28
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	8	0.28
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	12	0.28
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	9	0.28
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	5	0.28
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	8	0.28
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	12	0.28
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	4	0.27
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD2	10	0.27
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD3	10	0.27
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	14	0.27
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	14	0.27
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	14	0.27
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	14	0.27
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	14	0.27
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	14	0.27
(2,1365)	1:760:A:LEU:HD11	1:757:A:TRP:HA	6	0.27
(2,1365)	1:760:A:LEU:HD12	1:757:A:TRP:HA	6	0.27
(2,1365)	1:760:A:LEU:HD13	1:757:A:TRP:HA	6	0.27
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	1	0.27
(2,1322)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	11	0.27
(2,1322)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	11	0.27
(2,1322)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	11	0.27
(2,1307)	1:740:A:ARG:H	1:739:A:GLU:HA	3	0.27
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	4	0.27
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	6	0.27
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	10	0.27
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	10	0.27
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	4	0.27
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	4	0.27
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	6	0.27
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1240)	1:704:A:LEU:H	1:704:A:LEU:HB3	10	0.27
(2,1222)	1:701:A:VAL:HG11	1:698:A:VAL:HA	8	0.27
(2,1222)	1:701:A:VAL:HG12	1:698:A:VAL:HA	8	0.27
(2,1222)	1:701:A:VAL:HG13	1:698:A:VAL:HA	8	0.27
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	14	0.27
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	11	0.27
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	11	0.27
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	11	0.27
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	11	0.27
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	11	0.27
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	11	0.27
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	4	0.27
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD2	10	0.27
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD3	10	0.27
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	14	0.27
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	14	0.27
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	14	0.27
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	14	0.27
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	14	0.27
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	14	0.27
(2,940)	1:760:A:LEU:HD11	1:757:A:TRP:HA	6	0.27
(2,940)	1:760:A:LEU:HD12	1:757:A:TRP:HA	6	0.27
(2,940)	1:760:A:LEU:HD13	1:757:A:TRP:HA	6	0.27
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	1	0.27
(2,897)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	11	0.27
(2,897)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	11	0.27
(2,897)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	11	0.27
(2,882)	1:740:A:ARG:H	1:739:A:GLU:HA	3	0.27
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	4	0.27
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	6	0.27
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	10	0.27
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	10	0.27
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	4	0.27
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	4	0.27
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	6	0.27
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	6	0.27
(2,815)	1:704:A:LEU:H	1:704:A:LEU:HB3	10	0.27
(2,797)	1:701:A:VAL:HG11	1:698:A:VAL:HA	8	0.27
(2,797)	1:701:A:VAL:HG12	1:698:A:VAL:HA	8	0.27
(2,797)	1:701:A:VAL:HG13	1:698:A:VAL:HA	8	0.27
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	14	0.27
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	11	0.27
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	11	0.27
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	11	0.27
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	11	0.27
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	11	0.27
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG11	1	0.27
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG12	1	0.27
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG13	1	0.27
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG21	1	0.27
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG22	1	0.27
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG23	1	0.27
(2,608)	1:786:B:GLY:H	1:782:B:VAL:HA	1	0.27
(2,580)	1:781:B:ILE:HG21	1:778:B:VAL:HA	7	0.27
(2,580)	1:781:B:ILE:HG22	1:778:B:VAL:HA	7	0.27
(2,580)	1:781:B:ILE:HG23	1:778:B:VAL:HA	7	0.27
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	6	0.27
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD2	2	0.27
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD3	2	0.27
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD2	2	0.27
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD3	2	0.27
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD2	2	0.27
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD3	2	0.27
(2,479)	1:748:B:LEU:H	1:745:B:SER:HA	6	0.27
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	4	0.27
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	4	0.27
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	5	0.27
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	5	0.27
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	5	0.27
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	1	0.27
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	4	0.27
(2,414)	1:707:B:ARG:H	1:704:B:LEU:HA	9	0.27
(2,373)	1:701:B:VAL:HG21	1:698:B:VAL:HA	5	0.27
(2,373)	1:701:B:VAL:HG22	1:698:B:VAL:HA	5	0.27
(2,373)	1:701:B:VAL:HG23	1:698:B:VAL:HA	5	0.27
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	1	0.27
(2,351)	1:696:B:ARG:H	1:696:B:ARG:HE	5	0.27
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD11	10	0.27
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD12	10	0.27
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD13	10	0.27
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD11	10	0.27
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD12	10	0.27
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD13	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD11	10	0.27
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD12	10	0.27
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD13	10	0.27
(2,234)	1:666:B:TRP:H	1:663:B:LEU:HA	13	0.27
(2,214)	1:661:B:LEU:HD11	1:662:B:GLU:HG2	3	0.27
(2,214)	1:661:B:LEU:HD11	1:662:B:GLU:HG3	3	0.27
(2,214)	1:661:B:LEU:HD12	1:662:B:GLU:HG2	3	0.27
(2,214)	1:661:B:LEU:HD12	1:662:B:GLU:HG3	3	0.27
(2,214)	1:661:B:LEU:HD13	1:662:B:GLU:HG2	3	0.27
(2,214)	1:661:B:LEU:HD13	1:662:B:GLU:HG3	3	0.27
(2,214)	1:661:B:LEU:HD21	1:662:B:GLU:HG2	3	0.27
(2,214)	1:661:B:LEU:HD21	1:662:B:GLU:HG3	3	0.27
(2,214)	1:661:B:LEU:HD22	1:662:B:GLU:HG2	3	0.27
(2,214)	1:661:B:LEU:HD22	1:662:B:GLU:HG3	3	0.27
(2,214)	1:661:B:LEU:HD23	1:662:B:GLU:HG2	3	0.27
(2,214)	1:661:B:LEU:HD23	1:662:B:GLU:HG3	3	0.27
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	1	0.27
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	1	0.27
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	5	0.27
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	5	0.27
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	1	0.27
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	1	0.27
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	5	0.27
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	5	0.27
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD2	13	0.27
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD3	13	0.27
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD2	13	0.27
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD3	13	0.27
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	2	0.27
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	3	0.27
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	3	0.27
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	3	0.27
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	3	0.27
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD11	8	0.27
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD12	8	0.27
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD13	8	0.27
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD21	8	0.27
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD22	8	0.27
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD23	8	0.27
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	3	0.27
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	3	0.27
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB2	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB3	10	0.27
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	5	0.27
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	5	0.27
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	9	0.27
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	9	0.27
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	10	0.27
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	10	0.27
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	10	0.27
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	10	0.27
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	10	0.27
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	10	0.27
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	6	0.27
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	6	0.27
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	6	0.27
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	6	0.27
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	6	0.27
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	6	0.27
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	10	0.27
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	10	0.27
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	10	0.27
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	10	0.27
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	10	0.27
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	10	0.27
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	11	0.27
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	11	0.27
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	11	0.27
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	11	0.27
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	11	0.27
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	11	0.27
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.27
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.27
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.27
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	6	0.26
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	6	0.26
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	7	0.26
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	9	0.26
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	15	0.26
(2,1457)	1:785:A:LEU:HD21	1:782:A:VAL:HA	6	0.26
(2,1457)	1:785:A:LEU:HD22	1:782:A:VAL:HA	6	0.26
(2,1457)	1:785:A:LEU:HD23	1:782:A:VAL:HA	6	0.26
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	6	0.26
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1430)	1:781:A:ILE:HG21	1:778:A:VAL:HA	11	0.26
(2,1430)	1:781:A:ILE:HG22	1:778:A:VAL:HA	11	0.26
(2,1430)	1:781:A:ILE:HG23	1:778:A:VAL:HA	11	0.26
(2,1425)	1:781:A:ILE:H	1:778:A:VAL:HA	3	0.26
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	6	0.26
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	6	0.26
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	6	0.26
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	6	0.26
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	6	0.26
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	6	0.26
(2,1223)	1:701:A:VAL:HG21	1:698:A:VAL:HA	2	0.26
(2,1223)	1:701:A:VAL:HG22	1:698:A:VAL:HA	2	0.26
(2,1223)	1:701:A:VAL:HG23	1:698:A:VAL:HA	2	0.26
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	4	0.26
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	10	0.26
(2,1176)	1:689:A:VAL:HG21	1:685:A:PHE:HD1	8	0.26
(2,1176)	1:689:A:VAL:HG21	1:685:A:PHE:HD2	8	0.26
(2,1176)	1:689:A:VAL:HG22	1:685:A:PHE:HD1	8	0.26
(2,1176)	1:689:A:VAL:HG22	1:685:A:PHE:HD2	8	0.26
(2,1176)	1:689:A:VAL:HG23	1:685:A:PHE:HD1	8	0.26
(2,1176)	1:689:A:VAL:HG23	1:685:A:PHE:HD2	8	0.26
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	12	0.26
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	12	0.26
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	12	0.26
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	12	0.26
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	12	0.26
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	12	0.26
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	8	0.26
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	8	0.26
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	8	0.26
(2,1144)	1:682:A:ILE:HG21	1:685:A:PHE:HB2	3	0.26
(2,1144)	1:682:A:ILE:HG21	1:685:A:PHE:HB3	3	0.26
(2,1144)	1:682:A:ILE:HG22	1:685:A:PHE:HB2	3	0.26
(2,1144)	1:682:A:ILE:HG22	1:685:A:PHE:HB3	3	0.26
(2,1144)	1:682:A:ILE:HG23	1:685:A:PHE:HB2	3	0.26
(2,1144)	1:682:A:ILE:HG23	1:685:A:PHE:HB3	3	0.26
(2,1126)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	5	0.26
(2,1126)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	5	0.26
(2,1126)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	5	0.26
(2,1078)	1:665:A:LYS:H	1:662:A:GLU:HA	14	0.26
(2,1078)	1:665:A:LYS:H	1:662:A:GLU:HA	15	0.26
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	6	0.26
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	7	0.26
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	9	0.26
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	15	0.26
(2,1032)	1:785:A:LEU:HD21	1:782:A:VAL:HA	6	0.26
(2,1032)	1:785:A:LEU:HD22	1:782:A:VAL:HA	6	0.26
(2,1032)	1:785:A:LEU:HD23	1:782:A:VAL:HA	6	0.26
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	6	0.26
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	11	0.26
(2,1005)	1:781:A:ILE:HG21	1:778:A:VAL:HA	11	0.26
(2,1005)	1:781:A:ILE:HG22	1:778:A:VAL:HA	11	0.26
(2,1005)	1:781:A:ILE:HG23	1:778:A:VAL:HA	11	0.26
(2,1000)	1:781:A:ILE:H	1:778:A:VAL:HA	3	0.26
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	6	0.26
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	6	0.26
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	6	0.26
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	6	0.26
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	6	0.26
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	6	0.26
(2,798)	1:701:A:VAL:HG21	1:698:A:VAL:HA	2	0.26
(2,798)	1:701:A:VAL:HG22	1:698:A:VAL:HA	2	0.26
(2,798)	1:701:A:VAL:HG23	1:698:A:VAL:HA	2	0.26
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	4	0.26
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	10	0.26
(2,751)	1:689:A:VAL:HG21	1:685:A:PHE:HD1	8	0.26
(2,751)	1:689:A:VAL:HG21	1:685:A:PHE:HD2	8	0.26
(2,751)	1:689:A:VAL:HG22	1:685:A:PHE:HD1	8	0.26
(2,751)	1:689:A:VAL:HG22	1:685:A:PHE:HD2	8	0.26
(2,751)	1:689:A:VAL:HG23	1:685:A:PHE:HD1	8	0.26
(2,751)	1:689:A:VAL:HG23	1:685:A:PHE:HD2	8	0.26
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	12	0.26
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	12	0.26
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	12	0.26
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	12	0.26
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	12	0.26
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	12	0.26
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	8	0.26
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	8	0.26
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	8	0.26
(2,719)	1:682:A:ILE:HG21	1:685:A:PHE:HB2	3	0.26
(2,719)	1:682:A:ILE:HG21	1:685:A:PHE:HB3	3	0.26
(2,719)	1:682:A:ILE:HG22	1:685:A:PHE:HB2	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:682:A:ILE:HG22	1:685:A:PHE:HB3	3	0.26
(2,719)	1:682:A:ILE:HG23	1:685:A:PHE:HB2	3	0.26
(2,719)	1:682:A:ILE:HG23	1:685:A:PHE:HB3	3	0.26
(2,701)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	5	0.26
(2,701)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	5	0.26
(2,701)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	5	0.26
(2,653)	1:665:A:LYS:H	1:662:A:GLU:HA	14	0.26
(2,653)	1:665:A:LYS:H	1:662:A:GLU:HA	15	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	1	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	1	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	1	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	1	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	1	0.26
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	1	0.26
(2,618)	1:797:B:TRP:H	1:796:B:TRP:HD1	11	0.26
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	10	0.26
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	10	0.26
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	10	0.26
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	7	0.26
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	13	0.26
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	12	0.26
(2,545)	1:775:B:LEU:HD11	1:772:B:ARG:HA	15	0.26
(2,545)	1:775:B:LEU:HD12	1:772:B:ARG:HA	15	0.26
(2,545)	1:775:B:LEU:HD13	1:772:B:ARG:HA	15	0.26
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH21	5	0.26
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH22	5	0.26
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH21	5	0.26
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH22	5	0.26
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH21	5	0.26
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH22	5	0.26
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH21	8	0.26
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH22	8	0.26
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH21	8	0.26
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH22	8	0.26
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH21	8	0.26
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH22	8	0.26
(2,518)	1:763:B:LEU:HD11	1:759:B:ASP:HA	6	0.26
(2,518)	1:763:B:LEU:HD12	1:759:B:ASP:HA	6	0.26
(2,518)	1:763:B:LEU:HD13	1:759:B:ASP:HA	6	0.26
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	12	0.26
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	15	0.26
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	11	0.26
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	11	0.26
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	13	0.26
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	13	0.26
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	13	0.26
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	9	0.26
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	9	0.26
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	9	0.26
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	9	0.26
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	9	0.26
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	9	0.26
(2,414)	1:707:B:ARG:H	1:704:B:LEU:HA	11	0.26
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD2	12	0.26
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD3	12	0.26
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD2	12	0.26
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD3	12	0.26
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD2	12	0.26
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD3	12	0.26
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	2	0.26
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	2	0.26
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	2	0.26
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	2	0.26
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	2	0.26
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	2	0.26
(2,296)	1:682:B:ILE:HD11	1:681:B:TYR:H	3	0.26
(2,296)	1:682:B:ILE:HD12	1:681:B:TYR:H	3	0.26
(2,296)	1:682:B:ILE:HD13	1:681:B:TYR:H	3	0.26
(2,234)	1:666:B:TRP:H	1:663:B:LEU:HA	10	0.26
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	13	0.26
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	13	0.26
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	13	0.26
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	13	0.26
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	13	0.26
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	13	0.26
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	4	0.26
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	4	0.26
(2,192)	1:816:A:ASN:H	1:831:A:GLU:HG2	11	0.26
(2,192)	1:816:A:ASN:H	1:831:A:GLU:HG3	11	0.26
(2,191)	1:816:A:ASN:H	1:831:A:GLU:HG2	11	0.26
(2,191)	1:816:A:ASN:H	1:831:A:GLU:HG3	11	0.26
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	5	0.26
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	12	0.26
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB2	12	0.26
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB3	12	0.26
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	12	0.26
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	12	0.26
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	12	0.26
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	12	0.26
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	12	0.26
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	12	0.26
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	14	0.26
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	14	0.26
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	14	0.26
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	14	0.26
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	14	0.26
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	14	0.26
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	2	0.26
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	2	0.26
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	2	0.26
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	2	0.26
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	2	0.26
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	2	0.26
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	15	0.26
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	15	0.26
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	15	0.26
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	15	0.26
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	15	0.26
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	15	0.26
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD1	5	0.26
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD2	5	0.26
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD1	5	0.26
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD2	5	0.26
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD1	5	0.26
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD2	5	0.26
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD1	12	0.26
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD2	12	0.26
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD1	12	0.26
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD2	12	0.26
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD1	12	0.26
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD2	12	0.26
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	10	0.26
(1,178)	1:792:B:ALA:O	1:796:B:TRP:N	11	0.26
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:792:B:ALA:O	1:796:B:TRP:N	11	0.26
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	10	0.26
(1,6)	1:792:B:ALA:O	1:796:B:TRP:N	11	0.26
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	5	0.25
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	5	0.25
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	9	0.25
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	9	0.25
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	9	0.25
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	9	0.25
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	9	0.25
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	9	0.25
(2,1449)	1:784:A:LEU:HD11	1:787:A:ARG:HD2	7	0.25
(2,1449)	1:784:A:LEU:HD11	1:787:A:ARG:HD3	7	0.25
(2,1449)	1:784:A:LEU:HD12	1:787:A:ARG:HD2	7	0.25
(2,1449)	1:784:A:LEU:HD12	1:787:A:ARG:HD3	7	0.25
(2,1449)	1:784:A:LEU:HD13	1:787:A:ARG:HD2	7	0.25
(2,1449)	1:784:A:LEU:HD13	1:787:A:ARG:HD3	7	0.25
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	13	0.25
(2,1430)	1:781:A:ILE:HG21	1:778:A:VAL:HA	6	0.25
(2,1430)	1:781:A:ILE:HG22	1:778:A:VAL:HA	6	0.25
(2,1430)	1:781:A:ILE:HG23	1:778:A:VAL:HA	6	0.25
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	13	0.25
(2,1414)	1:778:A:VAL:HG21	1:775:A:LEU:HA	7	0.25
(2,1414)	1:778:A:VAL:HG22	1:775:A:LEU:HA	7	0.25
(2,1414)	1:778:A:VAL:HG23	1:775:A:LEU:HA	7	0.25
(2,1390)	1:775:A:LEU:H	1:772:A:ARG:HA	6	0.25
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD2	6	0.25
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD3	6	0.25
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	4	0.25
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	4	0.25
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	4	0.25
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	4	0.25
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	4	0.25
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	4	0.25
(2,1372)	1:764:A:SER:H	1:761:A:ARG:HA	1	0.25
(2,1365)	1:760:A:LEU:HD11	1:757:A:TRP:HA	9	0.25
(2,1365)	1:760:A:LEU:HD12	1:757:A:TRP:HA	9	0.25
(2,1365)	1:760:A:LEU:HD13	1:757:A:TRP:HA	9	0.25
(2,1365)	1:760:A:LEU:HD11	1:757:A:TRP:HA	14	0.25
(2,1365)	1:760:A:LEU:HD12	1:757:A:TRP:HA	14	0.25
(2,1365)	1:760:A:LEU:HD13	1:757:A:TRP:HA	14	0.25
(2,1323)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1323)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	4	0.25
(2,1323)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	4	0.25
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	2	0.25
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	2	0.25
(2,1136)	1:678:A:TRP:HE1	1:682:A:ILE:H	4	0.25
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	5	0.25
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	5	0.25
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	9	0.25
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	9	0.25
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	9	0.25
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	9	0.25
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	9	0.25
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	9	0.25
(2,1024)	1:784:A:LEU:HD11	1:787:A:ARG:HD2	7	0.25
(2,1024)	1:784:A:LEU:HD11	1:787:A:ARG:HD3	7	0.25
(2,1024)	1:784:A:LEU:HD12	1:787:A:ARG:HD2	7	0.25
(2,1024)	1:784:A:LEU:HD12	1:787:A:ARG:HD3	7	0.25
(2,1024)	1:784:A:LEU:HD13	1:787:A:ARG:HD2	7	0.25
(2,1024)	1:784:A:LEU:HD13	1:787:A:ARG:HD3	7	0.25
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	13	0.25
(2,1005)	1:781:A:ILE:HG21	1:778:A:VAL:HA	6	0.25
(2,1005)	1:781:A:ILE:HG22	1:778:A:VAL:HA	6	0.25
(2,1005)	1:781:A:ILE:HG23	1:778:A:VAL:HA	6	0.25
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	13	0.25
(2,989)	1:778:A:VAL:HG21	1:775:A:LEU:HA	7	0.25
(2,989)	1:778:A:VAL:HG22	1:775:A:LEU:HA	7	0.25
(2,989)	1:778:A:VAL:HG23	1:775:A:LEU:HA	7	0.25
(2,965)	1:775:A:LEU:H	1:772:A:ARG:HA	6	0.25
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD2	6	0.25
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD3	6	0.25
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	4	0.25
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	4	0.25
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	4	0.25
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	4	0.25
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	4	0.25
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	4	0.25
(2,947)	1:764:A:SER:H	1:761:A:ARG:HA	1	0.25
(2,940)	1:760:A:LEU:HD11	1:757:A:TRP:HA	9	0.25
(2,940)	1:760:A:LEU:HD12	1:757:A:TRP:HA	9	0.25
(2,940)	1:760:A:LEU:HD13	1:757:A:TRP:HA	9	0.25
(2,940)	1:760:A:LEU:HD11	1:757:A:TRP:HA	14	0.25
(2,940)	1:760:A:LEU:HD12	1:757:A:TRP:HA	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,940)	1:760:A:LEU:HD13	1:757:A:TRP:HA	14	0.25
(2,898)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	4	0.25
(2,898)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	4	0.25
(2,898)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	4	0.25
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	2	0.25
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	2	0.25
(2,711)	1:678:A:TRP:HE1	1:682:A:ILE:H	4	0.25
(2,632)	1:852:B:GLU:H	1:848:B:ARG:HG2	12	0.25
(2,632)	1:852:B:GLU:H	1:848:B:ARG:HG3	12	0.25
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	10	0.25
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	10	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD11	5	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD12	5	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD13	5	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD21	5	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD22	5	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD23	5	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD11	6	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD12	6	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD13	6	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD21	6	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD22	6	0.25
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD23	6	0.25
(2,601)	1:785:B:LEU:H	1:782:B:VAL:HA	7	0.25
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	1	0.25
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	5	0.25
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	11	0.25
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD2	10	0.25
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD3	10	0.25
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD2	10	0.25
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD3	10	0.25
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD2	10	0.25
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD3	10	0.25
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	4	0.25
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	14	0.25
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	15	0.25
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	1	0.25
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	1	0.25
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	6	0.25
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	8	0.25
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	8	0.25
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	2	0.25
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	2	0.25
(2,470)	1:746:B:ILE:HD11	1:743:B:ASP:HA	5	0.25
(2,470)	1:746:B:ILE:HD12	1:743:B:ASP:HA	5	0.25
(2,470)	1:746:B:ILE:HD13	1:743:B:ASP:HA	5	0.25
(2,438)	1:709:B:ARG:HE	1:709:B:ARG:H	13	0.25
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	15	0.25
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	15	0.25
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	15	0.25
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD2	2	0.25
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD3	2	0.25
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	9	0.25
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	9	0.25
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	9	0.25
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	10	0.25
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	10	0.25
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	10	0.25
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	10	0.25
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	10	0.25
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	10	0.25
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	3	0.25
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	3	0.25
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	3	0.25
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	11	0.25
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	1	0.25
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	1	0.25
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	1	0.25
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	10	0.25
(2,126)	1:785:A:LEU:HD21	1:749:B:VAL:HB	12	0.25
(2,126)	1:785:A:LEU:HD22	1:749:B:VAL:HB	12	0.25
(2,126)	1:785:A:LEU:HD23	1:749:B:VAL:HB	12	0.25
(1,227)	1:827:B:ASP:O	1:831:B:GLU:H	6	0.25
(1,174)	1:790:B:TRP:O	1:794:B:LYS:N	1	0.25
(1,141)	1:827:B:ASP:O	1:831:B:GLU:H	6	0.25
(1,88)	1:790:B:TRP:O	1:794:B:LYS:N	1	0.25
(1,55)	1:827:B:ASP:O	1:831:B:GLU:H	6	0.25
(1,2)	1:790:B:TRP:O	1:794:B:LYS:N	1	0.25
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	11	0.24
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	11	0.24
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD11	5	0.24
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD12	5	0.24
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD13	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	14	0.24
(2,1464)	1:793:A:LEU:H	1:790:A:TRP:HE3	13	0.24
(2,1430)	1:781:A:ILE:HG21	1:778:A:VAL:HA	2	0.24
(2,1430)	1:781:A:ILE:HG22	1:778:A:VAL:HA	2	0.24
(2,1430)	1:781:A:ILE:HG23	1:778:A:VAL:HA	2	0.24
(2,1430)	1:781:A:ILE:HG21	1:778:A:VAL:HA	8	0.24
(2,1430)	1:781:A:ILE:HG22	1:778:A:VAL:HA	8	0.24
(2,1430)	1:781:A:ILE:HG23	1:778:A:VAL:HA	8	0.24
(2,1430)	1:781:A:ILE:HG21	1:778:A:VAL:HA	10	0.24
(2,1430)	1:781:A:ILE:HG22	1:778:A:VAL:HA	10	0.24
(2,1430)	1:781:A:ILE:HG23	1:778:A:VAL:HA	10	0.24
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	3	0.24
(2,1365)	1:760:A:LEU:HD11	1:757:A:TRP:HA	11	0.24
(2,1365)	1:760:A:LEU:HD12	1:757:A:TRP:HA	11	0.24
(2,1365)	1:760:A:LEU:HD13	1:757:A:TRP:HA	11	0.24
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	6	0.24
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	6	0.24
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	6	0.24
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	6	0.24
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	6	0.24
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	6	0.24
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	11	0.24
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	10	0.24
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	11	0.24
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	11	0.24
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	11	0.24
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	2	0.24
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	2	0.24
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	3	0.24
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	3	0.24
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	3	0.24
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	3	0.24
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	3	0.24
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	3	0.24
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	6	0.24
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	6	0.24
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	6	0.24
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	6	0.24
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	6	0.24
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	6	0.24
(2,1183)	1:692:A:LEU:HD12	1:696:A:ARG:HH12	1	0.24
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	7	0.24
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	7	0.24
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	7	0.24
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	7	0.24
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	7	0.24
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	8	0.24
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	10	0.24
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	11	0.24
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	11	0.24
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD11	5	0.24
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD12	5	0.24
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD13	5	0.24
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	14	0.24
(2,1039)	1:793:A:LEU:H	1:790:A:TRP:HE3	13	0.24
(2,1005)	1:781:A:ILE:HG21	1:778:A:VAL:HA	2	0.24
(2,1005)	1:781:A:ILE:HG22	1:778:A:VAL:HA	2	0.24
(2,1005)	1:781:A:ILE:HG23	1:778:A:VAL:HA	2	0.24
(2,1005)	1:781:A:ILE:HG21	1:778:A:VAL:HA	8	0.24
(2,1005)	1:781:A:ILE:HG22	1:778:A:VAL:HA	8	0.24
(2,1005)	1:781:A:ILE:HG23	1:778:A:VAL:HA	8	0.24
(2,1005)	1:781:A:ILE:HG21	1:778:A:VAL:HA	10	0.24
(2,1005)	1:781:A:ILE:HG22	1:778:A:VAL:HA	10	0.24
(2,1005)	1:781:A:ILE:HG23	1:778:A:VAL:HA	10	0.24
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	3	0.24
(2,940)	1:760:A:LEU:HD11	1:757:A:TRP:HA	11	0.24
(2,940)	1:760:A:LEU:HD12	1:757:A:TRP:HA	11	0.24
(2,940)	1:760:A:LEU:HD13	1:757:A:TRP:HA	11	0.24
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	6	0.24
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	6	0.24
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	6	0.24
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	6	0.24
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	6	0.24
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	6	0.24
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	11	0.24
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	10	0.24
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	11	0.24
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	11	0.24
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	11	0.24
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	2	0.24
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	2	0.24
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	3	0.24
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	3	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	3	0.24
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	3	0.24
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	3	0.24
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	3	0.24
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	6	0.24
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	6	0.24
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	6	0.24
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	6	0.24
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	6	0.24
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	6	0.24
(2,758)	1:692:A:LEU:HD12	1:696:A:ARG:HH12	1	0.24
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	7	0.24
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	7	0.24
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	7	0.24
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	7	0.24
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	7	0.24
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	7	0.24
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	8	0.24
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	10	0.24
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD11	8	0.24
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD12	8	0.24
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD13	8	0.24
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB2	8	0.24
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB3	8	0.24
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD11	9	0.24
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD12	9	0.24
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD13	9	0.24
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD21	9	0.24
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD22	9	0.24
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD23	9	0.24
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	3	0.24
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	3	0.24
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	1	0.24
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD2	12	0.24
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD3	12	0.24
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	14	0.24
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	8	0.24
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	14	0.24
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	14	0.24
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	14	0.24
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	5	0.24
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	5	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	5	0.24
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	5	0.24
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	5	0.24
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	5	0.24
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	8	0.24
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD1	11	0.24
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD2	11	0.24
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD1	11	0.24
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD2	11	0.24
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD1	11	0.24
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD2	11	0.24
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	8	0.24
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	8	0.24
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	8	0.24
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	10	0.24
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	10	0.24
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	10	0.24
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD11	4	0.24
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD12	4	0.24
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD13	4	0.24
(2,272)	1:674:B:ASP:H	1:677:B:ASN:H	8	0.24
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	12	0.24
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	12	0.24
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	12	0.24
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	12	0.24
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	12	0.24
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	12	0.24
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	10	0.24
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	10	0.24
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	10	0.24
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	10	0.24
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	2	0.24
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	2	0.24
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	2	0.24
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	2	0.24
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD2	4	0.24
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD3	4	0.24
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB1	15	0.24
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB2	15	0.24
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB3	15	0.24
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB1	15	0.24
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB2	15	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB3	15	0.24
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB1	15	0.24
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB2	15	0.24
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB3	15	0.24
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	3	0.24
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	3	0.24
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	3	0.24
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	3	0.24
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	3	0.24
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	3	0.24
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD1	7	0.24
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD2	7	0.24
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD1	7	0.24
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD2	7	0.24
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD1	7	0.24
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD2	7	0.24
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD11	8	0.24
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD12	8	0.24
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD13	8	0.24
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	4	0.24
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	13	0.24
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	4	0.24
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	13	0.24
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	4	0.24
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	13	0.24
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	4	0.23
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	4	0.23
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	10	0.23
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	10	0.23
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	10	0.23
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	10	0.23
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	10	0.23
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	10	0.23
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD2	5	0.23
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD3	5	0.23
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	7	0.23
(2,1414)	1:778:A:VAL:HG21	1:775:A:LEU:HA	10	0.23
(2,1414)	1:778:A:VAL:HG22	1:775:A:LEU:HA	10	0.23
(2,1414)	1:778:A:VAL:HG23	1:775:A:LEU:HA	10	0.23
(2,1407)	1:777:A:ILE:HD11	1:774:A:LEU:HA	11	0.23
(2,1407)	1:777:A:ILE:HD12	1:774:A:LEU:HA	11	0.23
(2,1407)	1:777:A:ILE:HD13	1:774:A:LEU:HA	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	12	0.23
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	12	0.23
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	12	0.23
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	12	0.23
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	12	0.23
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	12	0.23
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	2	0.23
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	2	0.23
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	2	0.23
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	2	0.23
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	2	0.23
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	2	0.23
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	11	0.23
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	11	0.23
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	11	0.23
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	11	0.23
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	11	0.23
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	11	0.23
(2,1288)	1:709:A:ARG:HE	1:709:A:ARG:H	14	0.23
(2,1282)	1:709:A:ARG:H	1:707:A:ARG:H	13	0.23
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	10	0.23
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	10	0.23
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	10	0.23
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	10	0.23
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	10	0.23
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	10	0.23
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	15	0.23
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	15	0.23
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	15	0.23
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	15	0.23
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	15	0.23
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	15	0.23
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	8	0.23
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	8	0.23
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	14	0.23
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	1	0.23
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	1	0.23
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	1	0.23
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	1	0.23
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	1	0.23
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	1	0.23
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	14	0.23
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	14	0.23
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	14	0.23
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	14	0.23
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	14	0.23
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	14	0.23
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	12	0.23
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	12	0.23
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	12	0.23
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	7	0.23
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	15	0.23
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	9	0.23
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	4	0.23
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	4	0.23
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	10	0.23
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	10	0.23
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	10	0.23
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	10	0.23
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	10	0.23
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	10	0.23
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD2	5	0.23
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD3	5	0.23
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	7	0.23
(2,989)	1:778:A:VAL:HG21	1:775:A:LEU:HA	10	0.23
(2,989)	1:778:A:VAL:HG22	1:775:A:LEU:HA	10	0.23
(2,989)	1:778:A:VAL:HG23	1:775:A:LEU:HA	10	0.23
(2,982)	1:777:A:ILE:HD11	1:774:A:LEU:HA	11	0.23
(2,982)	1:777:A:ILE:HD12	1:774:A:LEU:HA	11	0.23
(2,982)	1:777:A:ILE:HD13	1:774:A:LEU:HA	11	0.23
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	12	0.23
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	12	0.23
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	12	0.23
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	12	0.23
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	12	0.23
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	12	0.23
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	2	0.23
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	2	0.23
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	2	0.23
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	2	0.23
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	2	0.23
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	2	0.23
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	11	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	11	0.23
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	11	0.23
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	11	0.23
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	11	0.23
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	11	0.23
(2,863)	1:709:A:ARG:HE	1:709:A:ARG:H	14	0.23
(2,857)	1:709:A:ARG:H	1:707:A:ARG:H	13	0.23
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	10	0.23
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	10	0.23
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	10	0.23
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	10	0.23
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	10	0.23
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	10	0.23
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	15	0.23
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	15	0.23
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	15	0.23
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	15	0.23
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	15	0.23
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	15	0.23
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	8	0.23
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	8	0.23
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	14	0.23
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	1	0.23
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	1	0.23
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	1	0.23
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	1	0.23
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	1	0.23
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	1	0.23
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	1	0.23
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	14	0.23
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	14	0.23
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	14	0.23
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	14	0.23
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	14	0.23
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	14	0.23
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	12	0.23
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	12	0.23
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	12	0.23
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	7	0.23
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	15	0.23
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	9	0.23
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	8	0.23
(2,536)	1:774:B:LEU:H	1:764:B:SER:HA	3	0.23
(2,519)	1:763:B:LEU:HD11	1:764:B:SER:HG	7	0.23
(2,519)	1:763:B:LEU:HD12	1:764:B:SER:HG	7	0.23
(2,519)	1:763:B:LEU:HD13	1:764:B:SER:HG	7	0.23
(2,515)	1:760:B:LEU:HD11	1:757:B:TRP:HA	4	0.23
(2,515)	1:760:B:LEU:HD12	1:757:B:TRP:HA	4	0.23
(2,515)	1:760:B:LEU:HD13	1:757:B:TRP:HA	4	0.23
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	10	0.23
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	10	0.23
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	10	0.23
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	10	0.23
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	10	0.23
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	10	0.23
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	4	0.23
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG11	13	0.23
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG12	13	0.23
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG13	13	0.23
(2,404)	1:705:B:VAL:HG21	1:701:B:VAL:HA	12	0.23
(2,404)	1:705:B:VAL:HG22	1:701:B:VAL:HA	12	0.23
(2,404)	1:705:B:VAL:HG23	1:701:B:VAL:HA	12	0.23
(2,390)	1:704:B:LEU:H	1:704:B:LEU:HB3	2	0.23
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	14	0.23
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	14	0.23
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	14	0.23
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	14	0.23
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	14	0.23
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	14	0.23
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	7	0.23
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	9	0.23
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	15	0.23
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD1	12	0.23
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD2	12	0.23
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD1	12	0.23
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD2	12	0.23
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD1	12	0.23
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD2	12	0.23
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	1	0.23
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	1	0.23
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	1	0.23
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	1	0.23
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	1	0.23
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	1	0.23
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	1	0.23
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	1	0.23
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	1	0.23
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	1	0.23
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	1	0.23
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	10	0.23
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	15	0.23
(2,241)	1:666:B:TRP:HE1	1:662:B:GLU:H	9	0.23
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	8	0.23
(2,213)	1:839:A:ALA:H	1:808:A:LYS:HZ1	15	0.23
(2,213)	1:839:A:ALA:H	1:808:A:LYS:HZ2	15	0.23
(2,213)	1:839:A:ALA:H	1:808:A:LYS:HZ3	15	0.23
(2,212)	1:839:A:ALA:H	1:808:A:LYS:HZ1	15	0.23
(2,212)	1:839:A:ALA:H	1:808:A:LYS:HZ2	15	0.23
(2,212)	1:839:A:ALA:H	1:808:A:LYS:HZ3	15	0.23
(2,177)	1:803:A:TRP:HE1	1:764:B:SER:HG	8	0.23
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	4	0.23
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	4	0.23
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	4	0.23
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	4	0.23
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	10	0.23
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	10	0.23
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	11	0.23
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	11	0.23
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	10	0.23
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	10	0.23
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	11	0.23
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	11	0.23
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	7	0.23
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	7	0.23
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	2	0.23
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	2	0.23
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	10	0.23
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	10	0.23
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	10	0.23
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	10	0.23
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	10	0.23
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	10	0.23
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	10	0.23
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	10	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	10	0.23
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	10	0.23
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	10	0.23
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	13	0.23
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	13	0.23
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	13	0.23
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	13	0.23
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	13	0.23
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	13	0.23
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD11	11	0.23
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD12	11	0.23
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD13	11	0.23
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	8	0.23
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	8	0.23
(1,192)	1:799:B:LEU:O	1:803:B:TRP:N	9	0.23
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	4	0.23
(1,106)	1:799:B:LEU:O	1:803:B:TRP:N	9	0.23
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	4	0.23
(1,20)	1:799:B:LEU:O	1:803:B:TRP:N	9	0.23
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	4	0.23
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	9	0.22
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	9	0.22
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	1	0.22
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	1	0.22
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	15	0.22
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	15	0.22
(2,1430)	1:781:A:ILE:HG21	1:778:A:VAL:HA	1	0.22
(2,1430)	1:781:A:ILE:HG22	1:778:A:VAL:HA	1	0.22
(2,1430)	1:781:A:ILE:HG23	1:778:A:VAL:HA	1	0.22
(2,1425)	1:781:A:ILE:H	1:778:A:VAL:HA	11	0.22
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	9	0.22
(2,1407)	1:777:A:ILE:HD11	1:774:A:LEU:HA	3	0.22
(2,1407)	1:777:A:ILE:HD12	1:774:A:LEU:HA	3	0.22
(2,1407)	1:777:A:ILE:HD13	1:774:A:LEU:HA	3	0.22
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB2	7	0.22
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB3	7	0.22
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB2	8	0.22
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB3	8	0.22
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB2	10	0.22
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB3	10	0.22
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	8	0.22
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	8	0.22
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	8	0.22
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	8	0.22
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	8	0.22
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	15	0.22
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	15	0.22
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	15	0.22
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	15	0.22
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	15	0.22
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	15	0.22
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	15	0.22
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD11	13	0.22
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD12	13	0.22
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD13	13	0.22
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD21	13	0.22
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD22	13	0.22
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD23	13	0.22
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	13	0.22
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	10	0.22
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	10	0.22
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	5	0.22
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	5	0.22
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	5	0.22
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	5	0.22
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	5	0.22
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	5	0.22
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	15	0.22
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	15	0.22
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	15	0.22
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	15	0.22
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	15	0.22
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	15	0.22
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	8	0.22
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	8	0.22
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	8	0.22
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	8	0.22
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	8	0.22
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	8	0.22
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	6	0.22
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	6	0.22
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	6	0.22
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	6	0.22
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	6	0.22
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	1	0.22
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	1	0.22
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	1	0.22
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	1	0.22
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	1	0.22
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	1	0.22
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	9	0.22
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	9	0.22
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	9	0.22
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	9	0.22
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	9	0.22
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	9	0.22
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	11	0.22
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	11	0.22
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	11	0.22
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	11	0.22
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	11	0.22
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	11	0.22
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	13	0.22
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	13	0.22
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	13	0.22
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	9	0.22
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	11	0.22
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	8	0.22
(2,1075)	1:664:A:ASP:H	1:663:A:LEU:H	15	0.22
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	3	0.22
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	11	0.22
(2,1069)	1:663:A:LEU:H	1:664:A:ASP:H	15	0.22
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	9	0.22
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	9	0.22
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	1	0.22
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	1	0.22
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	15	0.22
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	15	0.22
(2,1005)	1:781:A:ILE:HG21	1:778:A:VAL:HA	1	0.22
(2,1005)	1:781:A:ILE:HG22	1:778:A:VAL:HA	1	0.22
(2,1005)	1:781:A:ILE:HG23	1:778:A:VAL:HA	1	0.22
(2,1000)	1:781:A:ILE:H	1:778:A:VAL:HA	11	0.22
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	9	0.22
(2,982)	1:777:A:ILE:HD11	1:774:A:LEU:HA	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,982)	1:777:A:ILE:HD12	1:774:A:LEU:HA	3	0.22
(2,982)	1:777:A:ILE:HD13	1:774:A:LEU:HA	3	0.22
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB2	7	0.22
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB3	7	0.22
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB2	8	0.22
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB3	8	0.22
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB2	10	0.22
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB3	10	0.22
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	8	0.22
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	8	0.22
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	8	0.22
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	8	0.22
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	8	0.22
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	8	0.22
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	15	0.22
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	15	0.22
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	15	0.22
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	15	0.22
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	15	0.22
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	15	0.22
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	15	0.22
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD11	13	0.22
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD12	13	0.22
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD13	13	0.22
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD21	13	0.22
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD22	13	0.22
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD23	13	0.22
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	13	0.22
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	10	0.22
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	10	0.22
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	5	0.22
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	5	0.22
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	5	0.22
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	5	0.22
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	5	0.22
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	5	0.22
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	15	0.22
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	15	0.22
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	15	0.22
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	15	0.22
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	15	0.22
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	8	0.22
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	8	0.22
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	8	0.22
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	8	0.22
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	8	0.22
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	8	0.22
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	6	0.22
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	6	0.22
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	6	0.22
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	6	0.22
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	6	0.22
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	6	0.22
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	1	0.22
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	1	0.22
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	1	0.22
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	1	0.22
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	1	0.22
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	1	0.22
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	9	0.22
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	9	0.22
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	9	0.22
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	9	0.22
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	9	0.22
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	9	0.22
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	11	0.22
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	11	0.22
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	11	0.22
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	11	0.22
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	11	0.22
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	11	0.22
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	13	0.22
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	13	0.22
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	13	0.22
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	9	0.22
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	11	0.22
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	8	0.22
(2,650)	1:664:A:ASP:H	1:663:A:LEU:H	15	0.22
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	3	0.22
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	11	0.22
(2,644)	1:663:A:LEU:H	1:664:A:ASP:H	15	0.22
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD21	3	0.22
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD22	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD23	3	0.22
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD21	4	0.22
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD22	4	0.22
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD23	4	0.22
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	4	0.22
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	4	0.22
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	4	0.22
(2,601)	1:785:B:LEU:H	1:782:B:VAL:HA	5	0.22
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	2	0.22
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	14	0.22
(2,575)	1:781:B:ILE:H	1:778:B:VAL:HA	11	0.22
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	4	0.22
(2,564)	1:778:B:VAL:HG21	1:775:B:LEU:HA	11	0.22
(2,564)	1:778:B:VAL:HG22	1:775:B:LEU:HA	11	0.22
(2,564)	1:778:B:VAL:HG23	1:775:B:LEU:HA	11	0.22
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	4	0.22
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	15	0.22
(2,546)	1:776:B:LEU:H	1:773:B:ASP:HA	1	0.22
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	6	0.22
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	6	0.22
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	6	0.22
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	6	0.22
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	6	0.22
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	6	0.22
(2,444)	1:710:B:GLN:H	1:710:B:GLN:HB3	9	0.22
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB2	4	0.22
(2,430)	1:708:B:VAL:HG21	1:745:B:SER:HB3	4	0.22
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB2	4	0.22
(2,430)	1:708:B:VAL:HG22	1:745:B:SER:HB3	4	0.22
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB2	4	0.22
(2,430)	1:708:B:VAL:HG23	1:745:B:SER:HB3	4	0.22
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	7	0.22
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	7	0.22
(2,405)	1:705:B:VAL:HG21	1:702:B:LEU:HG	1	0.22
(2,405)	1:705:B:VAL:HG22	1:702:B:LEU:HG	1	0.22
(2,405)	1:705:B:VAL:HG23	1:702:B:LEU:HG	1	0.22
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	4	0.22
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	4	0.22
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	4	0.22
(2,401)	1:705:B:VAL:HG11	1:702:B:LEU:HA	13	0.22
(2,401)	1:705:B:VAL:HG12	1:702:B:LEU:HA	13	0.22
(2,401)	1:705:B:VAL:HG13	1:702:B:LEU:HA	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	3	0.22
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	13	0.22
(2,367)	1:700:B:ALA:HB1	1:697:B:ILE:HA	5	0.22
(2,367)	1:700:B:ALA:HB2	1:697:B:ILE:HA	5	0.22
(2,367)	1:700:B:ALA:HB3	1:697:B:ILE:HA	5	0.22
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD11	5	0.22
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD12	5	0.22
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD13	5	0.22
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD11	5	0.22
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD12	5	0.22
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD13	5	0.22
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD11	5	0.22
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD12	5	0.22
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD13	5	0.22
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD11	14	0.22
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD12	14	0.22
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD13	14	0.22
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD11	14	0.22
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD12	14	0.22
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD13	14	0.22
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD11	14	0.22
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD12	14	0.22
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD13	14	0.22
(2,289)	1:680:B:TRP:HE1	1:683:B:ARG:HH21	10	0.22
(2,289)	1:680:B:TRP:HE1	1:683:B:ARG:HH22	10	0.22
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	4	0.22
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	4	0.22
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	4	0.22
(2,245)	1:667:B:ALA:H	1:666:B:TRP:HD1	14	0.22
(2,241)	1:666:B:TRP:HE1	1:662:B:GLU:H	2	0.22
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	11	0.22
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	3	0.22
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	6	0.22
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	9	0.22
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	9	0.22
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG12	11	0.22
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG13	11	0.22
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	4	0.22
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	4	0.22
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	4	0.22
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	9	0.22
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	9	0.22
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	4	0.22
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	4	0.22
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	4	0.22
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	9	0.22
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	9	0.22
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	9	0.22
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD11	3	0.22
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD12	3	0.22
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD13	3	0.22
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD11	2	0.22
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD12	2	0.22
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD13	2	0.22
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	6	0.22
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	6	0.22
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	4	0.22
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	9	0.22
(2,177)	1:803:A:TRP:HE1	1:764:B:SER:HG	15	0.22
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	9	0.22
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	9	0.22
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	3	0.22
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	3	0.22
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	10	0.22
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	10	0.22
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	13	0.22
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	13	0.22
(2,126)	1:785:A:LEU:HD21	1:749:B:VAL:HB	10	0.22
(2,126)	1:785:A:LEU:HD22	1:749:B:VAL:HB	10	0.22
(2,126)	1:785:A:LEU:HD23	1:749:B:VAL:HB	10	0.22
(2,117)	1:781:A:ILE:HD11	1:746:B:ILE:HG12	3	0.22
(2,117)	1:781:A:ILE:HD11	1:746:B:ILE:HG13	3	0.22
(2,117)	1:781:A:ILE:HD12	1:746:B:ILE:HG12	3	0.22
(2,117)	1:781:A:ILE:HD12	1:746:B:ILE:HG13	3	0.22
(2,117)	1:781:A:ILE:HD13	1:746:B:ILE:HG12	3	0.22
(2,117)	1:781:A:ILE:HD13	1:746:B:ILE:HG13	3	0.22
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	14	0.22
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	14	0.22
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	14	0.22
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	7	0.22
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	7	0.22
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	7	0.22
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	7	0.22
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	7	0.22
(2,63)	1:700:A:ALA:HB1	1:702:B:LEU:HB2	4	0.22
(2,63)	1:700:A:ALA:HB1	1:702:B:LEU:HB3	4	0.22
(2,63)	1:700:A:ALA:HB2	1:702:B:LEU:HB2	4	0.22
(2,63)	1:700:A:ALA:HB2	1:702:B:LEU:HB3	4	0.22
(2,63)	1:700:A:ALA:HB3	1:702:B:LEU:HB2	4	0.22
(2,63)	1:700:A:ALA:HB3	1:702:B:LEU:HB3	4	0.22
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	4	0.22
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	4	0.22
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	4	0.22
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	4	0.22
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	4	0.22
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	4	0.22
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	9	0.22
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	9	0.22
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	9	0.22
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	9	0.22
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	9	0.22
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	9	0.22
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD11	9	0.22
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD12	9	0.22
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD13	9	0.22
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	8	0.22
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	14	0.22
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	15	0.22
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	12	0.22
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	8	0.22
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	14	0.22
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	15	0.22
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	12	0.22
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	8	0.22
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	14	0.22
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	15	0.22
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	12	0.22
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	1	0.21
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	1	0.21
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	3	0.21
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	3	0.21
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	7	0.21
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	7	0.21
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	13	0.21
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB2	1	0.21
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB3	1	0.21
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB2	9	0.21
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB3	9	0.21
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	1	0.21
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	1	0.21
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	1	0.21
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	1	0.21
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	1	0.21
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	1	0.21
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD11	4	0.21
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD12	4	0.21
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD13	4	0.21
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD21	4	0.21
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD22	4	0.21
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD23	4	0.21
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	15	0.21
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	15	0.21
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	15	0.21
(2,1457)	1:785:A:LEU:HD21	1:782:A:VAL:HA	5	0.21
(2,1457)	1:785:A:LEU:HD22	1:782:A:VAL:HA	5	0.21
(2,1457)	1:785:A:LEU:HD23	1:782:A:VAL:HA	5	0.21
(2,1451)	1:785:A:LEU:H	1:782:A:VAL:HA	3	0.21
(2,1425)	1:781:A:ILE:H	1:778:A:VAL:HA	1	0.21
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	12	0.21
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	12	0.21
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	12	0.21
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	12	0.21
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	12	0.21
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	12	0.21
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	12	0.21
(2,1407)	1:777:A:ILE:HD11	1:774:A:LEU:HA	12	0.21
(2,1407)	1:777:A:ILE:HD12	1:774:A:LEU:HA	12	0.21
(2,1407)	1:777:A:ILE:HD13	1:774:A:LEU:HA	12	0.21
(2,1369)	1:763:A:LEU:HD11	1:764:A:SER:HG	1	0.21
(2,1369)	1:763:A:LEU:HD12	1:764:A:SER:HG	1	0.21
(2,1369)	1:763:A:LEU:HD13	1:764:A:SER:HG	1	0.21
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB2	6	0.21
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB3	6	0.21
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB2	11	0.21
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB3	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	14	0.21
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	14	0.21
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	14	0.21
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	14	0.21
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	14	0.21
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	14	0.21
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	5	0.21
(2,1329)	1:748:A:LEU:H	1:745:A:SER:HA	13	0.21
(2,1323)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	15	0.21
(2,1323)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	15	0.21
(2,1323)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	15	0.21
(2,1319)	1:746:A:ILE:HD11	1:742:A:ARG:HD2	6	0.21
(2,1319)	1:746:A:ILE:HD11	1:742:A:ARG:HD3	6	0.21
(2,1319)	1:746:A:ILE:HD12	1:742:A:ARG:HD2	6	0.21
(2,1319)	1:746:A:ILE:HD12	1:742:A:ARG:HD3	6	0.21
(2,1319)	1:746:A:ILE:HD13	1:742:A:ARG:HD2	6	0.21
(2,1319)	1:746:A:ILE:HD13	1:742:A:ARG:HD3	6	0.21
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	8	0.21
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	12	0.21
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	15	0.21
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	15	0.21
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	11	0.21
(2,1246)	1:705:A:VAL:H	1:702:A:LEU:HA	8	0.21
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	11	0.21
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	4	0.21
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	4	0.21
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	4	0.21
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	4	0.21
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	4	0.21
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	4	0.21
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	4	0.21
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	4	0.21
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	4	0.21
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	4	0.21
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	4	0.21
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	4	0.21
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	10	0.21
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	10	0.21
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	10	0.21
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	10	0.21
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	10	0.21
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1152)	1:684:A:ILE:HD11	1:681:A:TYR:HE1	2	0.21
(2,1152)	1:684:A:ILE:HD11	1:681:A:TYR:HE2	2	0.21
(2,1152)	1:684:A:ILE:HD12	1:681:A:TYR:HE1	2	0.21
(2,1152)	1:684:A:ILE:HD12	1:681:A:TYR:HE2	2	0.21
(2,1152)	1:684:A:ILE:HD13	1:681:A:TYR:HE1	2	0.21
(2,1152)	1:684:A:ILE:HD13	1:681:A:TYR:HE2	2	0.21
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	6	0.21
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	6	0.21
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	6	0.21
(2,1130)	1:676:A:THR:HG21	1:681:A:TYR:HH	9	0.21
(2,1130)	1:676:A:THR:HG22	1:681:A:TYR:HH	9	0.21
(2,1130)	1:676:A:THR:HG23	1:681:A:TYR:HH	9	0.21
(2,1127)	1:676:A:THR:HG21	1:669:A:LEU:HA	5	0.21
(2,1127)	1:676:A:THR:HG22	1:669:A:LEU:HA	5	0.21
(2,1127)	1:676:A:THR:HG23	1:669:A:LEU:HA	5	0.21
(2,1126)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	7	0.21
(2,1126)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	7	0.21
(2,1126)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	7	0.21
(2,1122)	1:674:A:ASP:H	1:677:A:ASN:H	15	0.21
(2,1113)	1:670:A:TRP:HE1	1:667:A:ALA:HB1	5	0.21
(2,1113)	1:670:A:TRP:HE1	1:667:A:ALA:HB2	5	0.21
(2,1113)	1:670:A:TRP:HE1	1:667:A:ALA:HB3	5	0.21
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	4	0.21
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	10	0.21
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	15	0.21
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	2	0.21
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	5	0.21
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	13	0.21
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	14	0.21
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	14	0.21
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	14	0.21
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	14	0.21
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	14	0.21
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	14	0.21
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	14	0.21
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	14	0.21
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	14	0.21
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	14	0.21
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	14	0.21
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	14	0.21
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	1	0.21
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	3	0.21
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	3	0.21
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	7	0.21
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	7	0.21
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	13	0.21
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	13	0.21
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB2	1	0.21
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB3	1	0.21
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB2	9	0.21
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB3	9	0.21
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	1	0.21
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	1	0.21
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	1	0.21
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	1	0.21
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	1	0.21
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	1	0.21
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD11	4	0.21
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD12	4	0.21
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD13	4	0.21
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD21	4	0.21
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD22	4	0.21
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD23	4	0.21
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	15	0.21
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	15	0.21
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	15	0.21
(2,1032)	1:785:A:LEU:HD21	1:782:A:VAL:HA	5	0.21
(2,1032)	1:785:A:LEU:HD22	1:782:A:VAL:HA	5	0.21
(2,1032)	1:785:A:LEU:HD23	1:782:A:VAL:HA	5	0.21
(2,1026)	1:785:A:LEU:H	1:782:A:VAL:HA	3	0.21
(2,1000)	1:781:A:ILE:H	1:778:A:VAL:HA	1	0.21
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	12	0.21
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	12	0.21
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	12	0.21
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	12	0.21
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	12	0.21
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	12	0.21
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	12	0.21
(2,982)	1:777:A:ILE:HD11	1:774:A:LEU:HA	12	0.21
(2,982)	1:777:A:ILE:HD12	1:774:A:LEU:HA	12	0.21
(2,982)	1:777:A:ILE:HD13	1:774:A:LEU:HA	12	0.21
(2,944)	1:763:A:LEU:HD11	1:764:A:SER:HG	1	0.21
(2,944)	1:763:A:LEU:HD12	1:764:A:SER:HG	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,944)	1:763:A:LEU:HD13	1:764:A:SER:HG	1	0.21
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB2	6	0.21
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB3	6	0.21
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB2	11	0.21
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB3	11	0.21
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	14	0.21
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	14	0.21
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	14	0.21
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	14	0.21
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	14	0.21
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	14	0.21
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	5	0.21
(2,904)	1:748:A:LEU:H	1:745:A:SER:HA	13	0.21
(2,898)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	15	0.21
(2,898)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	15	0.21
(2,898)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	15	0.21
(2,894)	1:746:A:ILE:HD11	1:742:A:ARG:HD2	6	0.21
(2,894)	1:746:A:ILE:HD11	1:742:A:ARG:HD3	6	0.21
(2,894)	1:746:A:ILE:HD12	1:742:A:ARG:HD2	6	0.21
(2,894)	1:746:A:ILE:HD12	1:742:A:ARG:HD3	6	0.21
(2,894)	1:746:A:ILE:HD13	1:742:A:ARG:HD2	6	0.21
(2,894)	1:746:A:ILE:HD13	1:742:A:ARG:HD3	6	0.21
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	8	0.21
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	12	0.21
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	15	0.21
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	15	0.21
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	11	0.21
(2,821)	1:705:A:VAL:H	1:702:A:LEU:HA	8	0.21
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	11	0.21
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	4	0.21
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	4	0.21
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	4	0.21
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	4	0.21
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	4	0.21
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	4	0.21
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	4	0.21
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	4	0.21
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	4	0.21
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	4	0.21
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	4	0.21
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	4	0.21
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	10	0.21
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	10	0.21
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	10	0.21
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	10	0.21
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	10	0.21
(2,727)	1:684:A:ILE:HD11	1:681:A:TYR:HE1	2	0.21
(2,727)	1:684:A:ILE:HD11	1:681:A:TYR:HE2	2	0.21
(2,727)	1:684:A:ILE:HD12	1:681:A:TYR:HE1	2	0.21
(2,727)	1:684:A:ILE:HD12	1:681:A:TYR:HE2	2	0.21
(2,727)	1:684:A:ILE:HD13	1:681:A:TYR:HE1	2	0.21
(2,727)	1:684:A:ILE:HD13	1:681:A:TYR:HE2	2	0.21
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	6	0.21
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	6	0.21
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	6	0.21
(2,705)	1:676:A:THR:HG21	1:681:A:TYR:HH	9	0.21
(2,705)	1:676:A:THR:HG22	1:681:A:TYR:HH	9	0.21
(2,705)	1:676:A:THR:HG23	1:681:A:TYR:HH	9	0.21
(2,702)	1:676:A:THR:HG21	1:669:A:LEU:HA	5	0.21
(2,702)	1:676:A:THR:HG22	1:669:A:LEU:HA	5	0.21
(2,702)	1:676:A:THR:HG23	1:669:A:LEU:HA	5	0.21
(2,701)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	7	0.21
(2,701)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	7	0.21
(2,701)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	7	0.21
(2,697)	1:674:A:ASP:H	1:677:A:ASN:H	15	0.21
(2,688)	1:670:A:TRP:HE1	1:667:A:ALA:HB1	5	0.21
(2,688)	1:670:A:TRP:HE1	1:667:A:ALA:HB2	5	0.21
(2,688)	1:670:A:TRP:HE1	1:667:A:ALA:HB3	5	0.21
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	4	0.21
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	10	0.21
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	15	0.21
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	2	0.21
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	5	0.21
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	13	0.21
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	14	0.21
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	14	0.21
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	14	0.21
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	14	0.21
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	14	0.21
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	14	0.21
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	14	0.21
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	14	0.21
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	14	0.21
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	14	0.21
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	14	0.21
(2,626)	1:817:B:ALA:H	1:816:B:ASN:HB2	12	0.21
(2,626)	1:817:B:ALA:H	1:816:B:ASN:HB3	12	0.21
(2,618)	1:797:B:TRP:H	1:796:B:TRP:HD1	5	0.21
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD21	1	0.21
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD22	1	0.21
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD23	1	0.21
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD11	2	0.21
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD12	2	0.21
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD13	2	0.21
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD21	2	0.21
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD22	2	0.21
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD23	2	0.21
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	1	0.21
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	1	0.21
(2,587)	1:783:B:GLU:H	1:780:B:ARG:HA	6	0.21
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	6	0.21
(2,557)	1:777:B:ILE:HD11	1:774:B:LEU:HA	6	0.21
(2,557)	1:777:B:ILE:HD12	1:774:B:LEU:HA	6	0.21
(2,557)	1:777:B:ILE:HD13	1:774:B:LEU:HA	6	0.21
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	11	0.21
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH21	4	0.21
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH22	4	0.21
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH21	4	0.21
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH22	4	0.21
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH21	4	0.21
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH22	4	0.21
(2,506)	1:755:B:LEU:H	1:756:B:ILE:H	4	0.21
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	13	0.21
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	13	0.21
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	13	0.21
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	13	0.21
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	13	0.21
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	13	0.21
(2,479)	1:748:B:LEU:H	1:745:B:SER:HA	3	0.21
(2,473)	1:746:B:ILE:HG21	1:750:B:ASN:HD22	6	0.21
(2,473)	1:746:B:ILE:HG22	1:750:B:ASN:HD22	6	0.21
(2,473)	1:746:B:ILE:HG23	1:750:B:ASN:HD22	6	0.21
(2,463)	1:746:B:ILE:H	1:742:B:ARG:HA	4	0.21
(2,432)	1:709:B:ARG:H	1:707:B:ARG:H	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	5	0.21
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	5	0.21
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	5	0.21
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD11	2	0.21
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD12	2	0.21
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD13	2	0.21
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD21	2	0.21
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD22	2	0.21
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD23	2	0.21
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD2	14	0.21
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD3	14	0.21
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD2	14	0.21
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD3	14	0.21
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD2	14	0.21
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD3	14	0.21
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	3	0.21
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	3	0.21
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	3	0.21
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	3	0.21
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	3	0.21
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	3	0.21
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	2	0.21
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	11	0.21
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	11	0.21
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	11	0.21
(2,354)	1:697:B:ILE:HG21	1:700:B:ALA:HB1	6	0.21
(2,354)	1:697:B:ILE:HG21	1:700:B:ALA:HB2	6	0.21
(2,354)	1:697:B:ILE:HG21	1:700:B:ALA:HB3	6	0.21
(2,354)	1:697:B:ILE:HG22	1:700:B:ALA:HB1	6	0.21
(2,354)	1:697:B:ILE:HG22	1:700:B:ALA:HB2	6	0.21
(2,354)	1:697:B:ILE:HG22	1:700:B:ALA:HB3	6	0.21
(2,354)	1:697:B:ILE:HG23	1:700:B:ALA:HB1	6	0.21
(2,354)	1:697:B:ILE:HG23	1:700:B:ALA:HB2	6	0.21
(2,354)	1:697:B:ILE:HG23	1:700:B:ALA:HB3	6	0.21
(2,333)	1:692:B:LEU:HD13	1:696:B:ARG:HH12	13	0.21
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD11	8	0.21
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD12	8	0.21
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD13	8	0.21
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD11	8	0.21
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD12	8	0.21
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD13	8	0.21
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD11	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD12	8	0.21
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD13	8	0.21
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD11	5	0.21
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD12	5	0.21
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD13	5	0.21
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD21	5	0.21
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD22	5	0.21
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD23	5	0.21
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	1	0.21
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	2	0.21
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	6	0.21
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	13	0.21
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	4	0.21
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	12	0.21
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	4	0.21
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	4	0.21
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD11	11	0.21
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD12	11	0.21
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD13	11	0.21
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD11	11	0.21
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD12	11	0.21
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD13	11	0.21
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD2	9	0.21
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD3	9	0.21
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD2	9	0.21
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD3	9	0.21
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	1	0.21
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	14	0.21
(2,162)	1:794:A:LYS:H	1:848:A:ARG:HG2	13	0.21
(2,162)	1:794:A:LYS:H	1:848:A:ARG:HG3	13	0.21
(2,161)	1:794:A:LYS:H	1:848:A:ARG:HG2	13	0.21
(2,161)	1:794:A:LYS:H	1:848:A:ARG:HG3	13	0.21
(2,114)	1:781:A:ILE:HD11	1:743:B:ASP:HA	4	0.21
(2,114)	1:781:A:ILE:HD12	1:743:B:ASP:HA	4	0.21
(2,114)	1:781:A:ILE:HD13	1:743:B:ASP:HA	4	0.21
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD2	13	0.21
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD3	13	0.21
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	10	0.21
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	10	0.21
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	10	0.21
(2,13)	1:666:B:TRP:HE1	1:666:A:TRP:HD1	8	0.21
(1,219)	1:813:B:SER:O	1:817:B:ALA:H	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,197)	1:802:B:TYR:O	1:806:B:GLU:H	9	0.21
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	15	0.21
(1,182)	1:794:B:LYS:O	1:798:B:ASN:N	13	0.21
(1,133)	1:813:B:SER:O	1:817:B:ALA:H	5	0.21
(1,111)	1:802:B:TYR:O	1:806:B:GLU:H	9	0.21
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	15	0.21
(1,96)	1:794:B:LYS:O	1:798:B:ASN:N	13	0.21
(1,47)	1:813:B:SER:O	1:817:B:ALA:H	5	0.21
(1,25)	1:802:B:TYR:O	1:806:B:GLU:H	9	0.21
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	15	0.21
(1,10)	1:794:B:LYS:O	1:798:B:ASN:N	13	0.21
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	8	0.2
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	8	0.2
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	13	0.2
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	13	0.2
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	1	0.2
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	1	0.2
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	1	0.2
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	14	0.2
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	14	0.2
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	14	0.2
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	14	0.2
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	14	0.2
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	14	0.2
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	2	0.2
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	7	0.2
(2,1414)	1:778:A:VAL:HG21	1:775:A:LEU:HA	11	0.2
(2,1414)	1:778:A:VAL:HG22	1:775:A:LEU:HA	11	0.2
(2,1414)	1:778:A:VAL:HG23	1:775:A:LEU:HA	11	0.2
(2,1402)	1:777:A:ILE:H	1:774:A:LEU:HA	10	0.2
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	9	0.2
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	9	0.2
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	9	0.2
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	9	0.2
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	9	0.2
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	9	0.2
(2,1356)	1:755:A:LEU:H	1:756:A:ILE:H	14	0.2
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	1	0.2
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	1	0.2
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	1	0.2
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	1	0.2
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	1	0.2
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	14	0.2
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	14	0.2
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	14	0.2
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	14	0.2
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	14	0.2
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	14	0.2
(2,1322)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	10	0.2
(2,1322)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	10	0.2
(2,1322)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	10	0.2
(2,1278)	1:708:A:VAL:HG11	1:705:A:VAL:HA	10	0.2
(2,1278)	1:708:A:VAL:HG12	1:705:A:VAL:HA	10	0.2
(2,1278)	1:708:A:VAL:HG13	1:705:A:VAL:HA	10	0.2
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	7	0.2
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	7	0.2
(2,1223)	1:701:A:VAL:HG21	1:698:A:VAL:HA	13	0.2
(2,1223)	1:701:A:VAL:HG22	1:698:A:VAL:HA	13	0.2
(2,1223)	1:701:A:VAL:HG23	1:698:A:VAL:HA	13	0.2
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	5	0.2
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	15	0.2
(2,1202)	1:697:A:ILE:HG21	1:694:A:GLY:HA2	3	0.2
(2,1202)	1:697:A:ILE:HG21	1:694:A:GLY:HA3	3	0.2
(2,1202)	1:697:A:ILE:HG22	1:694:A:GLY:HA2	3	0.2
(2,1202)	1:697:A:ILE:HG22	1:694:A:GLY:HA3	3	0.2
(2,1202)	1:697:A:ILE:HG23	1:694:A:GLY:HA2	3	0.2
(2,1202)	1:697:A:ILE:HG23	1:694:A:GLY:HA3	3	0.2
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	5	0.2
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	5	0.2
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	5	0.2
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	5	0.2
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	5	0.2
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	5	0.2
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	15	0.2
(2,1190)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	15	0.2
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	15	0.2
(2,1190)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	15	0.2
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	15	0.2
(2,1190)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	15	0.2
(2,1184)	1:692:A:LEU:HD22	1:696:A:ARG:HH11	3	0.2
(2,1144)	1:682:A:ILE:HG21	1:685:A:PHE:HB2	8	0.2
(2,1144)	1:682:A:ILE:HG21	1:685:A:PHE:HB3	8	0.2
(2,1144)	1:682:A:ILE:HG22	1:685:A:PHE:HB2	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1144)	1:682:A:ILE:HG22	1:685:A:PHE:HB3	8	0.2
(2,1144)	1:682:A:ILE:HG23	1:685:A:PHE:HB2	8	0.2
(2,1144)	1:682:A:ILE:HG23	1:685:A:PHE:HB3	8	0.2
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	6	0.2
(2,1092)	1:667:A:ALA:H	1:664:A:ASP:HA	8	0.2
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	6	0.2
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	7	0.2
(2,1078)	1:665:A:LYS:H	1:662:A:GLU:HA	8	0.2
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	4	0.2
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	8	0.2
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	8	0.2
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	13	0.2
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	13	0.2
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	1	0.2
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	1	0.2
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	1	0.2
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	14	0.2
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	14	0.2
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	14	0.2
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	14	0.2
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	14	0.2
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	14	0.2
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	2	0.2
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	7	0.2
(2,989)	1:778:A:VAL:HG21	1:775:A:LEU:HA	11	0.2
(2,989)	1:778:A:VAL:HG22	1:775:A:LEU:HA	11	0.2
(2,989)	1:778:A:VAL:HG23	1:775:A:LEU:HA	11	0.2
(2,977)	1:777:A:ILE:H	1:774:A:LEU:HA	10	0.2
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	9	0.2
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	9	0.2
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	9	0.2
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	9	0.2
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	9	0.2
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	9	0.2
(2,931)	1:755:A:LEU:H	1:756:A:ILE:H	14	0.2
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	1	0.2
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	1	0.2
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	1	0.2
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	1	0.2
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	1	0.2
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	1	0.2
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	14	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	14	0.2
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	14	0.2
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	14	0.2
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	14	0.2
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	14	0.2
(2,897)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	10	0.2
(2,897)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	10	0.2
(2,897)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	10	0.2
(2,853)	1:708:A:VAL:HG11	1:705:A:VAL:HA	10	0.2
(2,853)	1:708:A:VAL:HG12	1:705:A:VAL:HA	10	0.2
(2,853)	1:708:A:VAL:HG13	1:705:A:VAL:HA	10	0.2
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	7	0.2
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	7	0.2
(2,798)	1:701:A:VAL:HG21	1:698:A:VAL:HA	13	0.2
(2,798)	1:701:A:VAL:HG22	1:698:A:VAL:HA	13	0.2
(2,798)	1:701:A:VAL:HG23	1:698:A:VAL:HA	13	0.2
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	5	0.2
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	15	0.2
(2,777)	1:697:A:ILE:HG21	1:694:A:GLY:HA2	3	0.2
(2,777)	1:697:A:ILE:HG21	1:694:A:GLY:HA3	3	0.2
(2,777)	1:697:A:ILE:HG22	1:694:A:GLY:HA2	3	0.2
(2,777)	1:697:A:ILE:HG22	1:694:A:GLY:HA3	3	0.2
(2,777)	1:697:A:ILE:HG23	1:694:A:GLY:HA2	3	0.2
(2,777)	1:697:A:ILE:HG23	1:694:A:GLY:HA3	3	0.2
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	5	0.2
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	5	0.2
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	5	0.2
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	5	0.2
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	5	0.2
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	5	0.2
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG2	15	0.2
(2,765)	1:693:A:ILE:HG21	1:696:A:ARG:HG3	15	0.2
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG2	15	0.2
(2,765)	1:693:A:ILE:HG22	1:696:A:ARG:HG3	15	0.2
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG2	15	0.2
(2,765)	1:693:A:ILE:HG23	1:696:A:ARG:HG3	15	0.2
(2,759)	1:692:A:LEU:HD22	1:696:A:ARG:HH11	3	0.2
(2,719)	1:682:A:ILE:HG21	1:685:A:PHE:HB2	8	0.2
(2,719)	1:682:A:ILE:HG21	1:685:A:PHE:HB3	8	0.2
(2,719)	1:682:A:ILE:HG22	1:685:A:PHE:HB2	8	0.2
(2,719)	1:682:A:ILE:HG22	1:685:A:PHE:HB3	8	0.2
(2,719)	1:682:A:ILE:HG23	1:685:A:PHE:HB2	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,719)	1:682:A:ILE:HG23	1:685:A:PHE:HB3	8	0.2
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	6	0.2
(2,667)	1:667:A:ALA:H	1:664:A:ASP:HA	8	0.2
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	6	0.2
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	7	0.2
(2,653)	1:665:A:LYS:H	1:662:A:GLU:HA	8	0.2
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	4	0.2
(2,629)	1:835:B:GLY:H	1:834:B:GLN:HG2	7	0.2
(2,629)	1:835:B:GLY:H	1:834:B:GLN:HG3	7	0.2
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD11	12	0.2
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD12	12	0.2
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD13	12	0.2
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD21	6	0.2
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD22	6	0.2
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD23	6	0.2
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	5	0.2
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	5	0.2
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	3	0.2
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	15	0.2
(2,545)	1:775:B:LEU:HD11	1:772:B:ARG:HA	6	0.2
(2,545)	1:775:B:LEU:HD12	1:772:B:ARG:HA	6	0.2
(2,545)	1:775:B:LEU:HD13	1:772:B:ARG:HA	6	0.2
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	6	0.2
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD2	11	0.2
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD3	11	0.2
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	9	0.2
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	9	0.2
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	9	0.2
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	9	0.2
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	9	0.2
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	9	0.2
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	14	0.2
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	14	0.2
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	14	0.2
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	14	0.2
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	14	0.2
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	14	0.2
(2,518)	1:763:B:LEU:HD11	1:759:B:ASP:HA	13	0.2
(2,518)	1:763:B:LEU:HD12	1:759:B:ASP:HA	13	0.2
(2,518)	1:763:B:LEU:HD13	1:759:B:ASP:HA	13	0.2
(2,502)	1:755:B:LEU:H	1:752:B:SER:HA	2	0.2
(2,501)	1:755:B:LEU:H	1:751:B:GLY:HA2	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,501)	1:755:B:LEU:H	1:751:B:GLY:HA3	4	0.2
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	4	0.2
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	4	0.2
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	7	0.2
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	9	0.2
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	9	0.2
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	15	0.2
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	15	0.2
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	15	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD11	11	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD12	11	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD13	11	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD21	11	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD22	11	0.2
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD23	11	0.2
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	3	0.2
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	3	0.2
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	4	0.2
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	4	0.2
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	7	0.2
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	7	0.2
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	7	0.2
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	7	0.2
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	7	0.2
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	7	0.2
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	8	0.2
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	8	0.2
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	8	0.2
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	8	0.2
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	8	0.2
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	8	0.2
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	14	0.2
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	14	0.2
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	14	0.2
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	14	0.2
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	14	0.2
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	14	0.2
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD1	12	0.2
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD2	12	0.2
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD1	12	0.2
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD2	12	0.2
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD1	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD2	12	0.2
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD1	13	0.2
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD2	13	0.2
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD1	13	0.2
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD2	13	0.2
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD1	13	0.2
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD2	13	0.2
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	11	0.2
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	6	0.2
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	6	0.2
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	6	0.2
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	2	0.2
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	2	0.2
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	2	0.2
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	2	0.2
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	2	0.2
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	2	0.2
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	12	0.2
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	12	0.2
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	12	0.2
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	12	0.2
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	12	0.2
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	12	0.2
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	4	0.2
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	4	0.2
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	4	0.2
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	4	0.2
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	4	0.2
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	4	0.2
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	10	0.2
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	10	0.2
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	10	0.2
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD11	2	0.2
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD12	2	0.2
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD13	2	0.2
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD21	2	0.2
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD22	2	0.2
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD23	2	0.2
(2,259)	1:670:B:TRP:H	1:667:B:ALA:HA	2	0.2
(2,253)	1:669:B:LEU:H	1:666:B:TRP:HA	8	0.2
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	1	0.2
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	4	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	8	0.2
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	12	0.2
(2,225)	1:664:B:ASP:H	1:663:B:LEU:H	5	0.2
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	1	0.2
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	15	0.2
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB1	11	0.2
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB2	11	0.2
(2,222)	1:663:B:LEU:HD21	1:667:B:ALA:HB3	11	0.2
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB1	11	0.2
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB2	11	0.2
(2,222)	1:663:B:LEU:HD22	1:667:B:ALA:HB3	11	0.2
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB1	11	0.2
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB2	11	0.2
(2,222)	1:663:B:LEU:HD23	1:667:B:ALA:HB3	11	0.2
(2,219)	1:663:B:LEU:H	1:664:B:ASP:H	5	0.2
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	11	0.2
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	11	0.2
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	15	0.2
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	15	0.2
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD11	2	0.2
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD12	2	0.2
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD13	2	0.2
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD11	2	0.2
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD12	2	0.2
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD13	2	0.2
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	6	0.2
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	8	0.2
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	8	0.2
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	8	0.2
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	8	0.2
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	5	0.2
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	5	0.2
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD11	6	0.2
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD12	6	0.2
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD13	6	0.2
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD21	6	0.2
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD22	6	0.2
(2,156)	1:792:A:ALA:H	1:753:B:LEU:HD23	6	0.2
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB2	9	0.2
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB3	9	0.2
(2,126)	1:785:A:LEU:HD21	1:749:B:VAL:HB	1	0.2
(2,126)	1:785:A:LEU:HD22	1:749:B:VAL:HB	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,126)	1:785:A:LEU:HD23	1:749:B:VAL:HB	1	0.2
(2,123)	1:785:A:LEU:HD21	1:747:B:ARG:HD2	10	0.2
(2,123)	1:785:A:LEU:HD21	1:747:B:ARG:HD3	10	0.2
(2,123)	1:785:A:LEU:HD22	1:747:B:ARG:HD2	10	0.2
(2,123)	1:785:A:LEU:HD22	1:747:B:ARG:HD3	10	0.2
(2,123)	1:785:A:LEU:HD23	1:747:B:ARG:HD2	10	0.2
(2,123)	1:785:A:LEU:HD23	1:747:B:ARG:HD3	10	0.2
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	11	0.2
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	11	0.2
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	11	0.2
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	11	0.2
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	11	0.2
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	11	0.2
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG21	2	0.2
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG22	2	0.2
(2,111)	1:781:A:ILE:H	1:746:B:ILE:HG23	2	0.2
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	7	0.2
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	7	0.2
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	7	0.2
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	7	0.2
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	7	0.2
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	7	0.2
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	12	0.2
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	12	0.2
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	12	0.2
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	12	0.2
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	12	0.2
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	12	0.2
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	6	0.2
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	6	0.2
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	6	0.2
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	6	0.2
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	6	0.2
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	6	0.2
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD1	3	0.2
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD2	3	0.2
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD1	3	0.2
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD2	3	0.2
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD1	3	0.2
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD2	3	0.2
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD11	3	0.2
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD12	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD13	3	0.2
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD11	8	0.2
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD12	8	0.2
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD13	8	0.2
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD11	8	0.2
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD12	8	0.2
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD13	8	0.2
(1,247)	1:837:B:SER:O	1:841:B:ARG:H	5	0.2
(1,197)	1:802:B:TYR:O	1:806:B:GLU:H	13	0.2
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	3	0.2
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	1	0.2
(1,161)	1:837:B:SER:O	1:841:B:ARG:H	5	0.2
(1,111)	1:802:B:TYR:O	1:806:B:GLU:H	13	0.2
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	3	0.2
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	1	0.2
(1,75)	1:837:B:SER:O	1:841:B:ARG:H	5	0.2
(1,25)	1:802:B:TYR:O	1:806:B:GLU:H	13	0.2
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	3	0.2
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	1	0.2
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	2	0.19
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	2	0.19
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	12	0.19
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	12	0.19
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	15	0.19
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	15	0.19
(2,1457)	1:785:A:LEU:HD21	1:782:A:VAL:HA	11	0.19
(2,1457)	1:785:A:LEU:HD22	1:782:A:VAL:HA	11	0.19
(2,1457)	1:785:A:LEU:HD23	1:782:A:VAL:HA	11	0.19
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD2	9	0.19
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD3	9	0.19
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	14	0.19
(2,1368)	1:763:A:LEU:HD11	1:759:A:ASP:HA	8	0.19
(2,1368)	1:763:A:LEU:HD12	1:759:A:ASP:HA	8	0.19
(2,1368)	1:763:A:LEU:HD13	1:759:A:ASP:HA	8	0.19
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	14	0.19
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	14	0.19
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	14	0.19
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	14	0.19
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	14	0.19
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	14	0.19
(2,1329)	1:748:A:LEU:H	1:745:A:SER:HA	8	0.19
(2,1322)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1322)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	3	0.19
(2,1322)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	3	0.19
(2,1320)	1:746:A:ILE:HD11	1:743:A:ASP:HA	6	0.19
(2,1320)	1:746:A:ILE:HD12	1:743:A:ASP:HA	6	0.19
(2,1320)	1:746:A:ILE:HD13	1:743:A:ASP:HA	6	0.19
(2,1315)	1:746:A:ILE:H	1:743:A:ASP:HB2	15	0.19
(2,1315)	1:746:A:ILE:H	1:743:A:ASP:HB3	15	0.19
(2,1294)	1:710:A:GLN:H	1:710:A:GLN:HB3	13	0.19
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD11	11	0.19
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD12	11	0.19
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD13	11	0.19
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD21	11	0.19
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD22	11	0.19
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD23	11	0.19
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	4	0.19
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	4	0.19
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	9	0.19
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	9	0.19
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	9	0.19
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	9	0.19
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	9	0.19
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	9	0.19
(2,1246)	1:705:A:VAL:H	1:702:A:LEU:HA	12	0.19
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	2	0.19
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	13	0.19
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	15	0.19
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	15	0.19
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	15	0.19
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	15	0.19
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	15	0.19
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	15	0.19
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	5	0.19
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	5	0.19
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	5	0.19
(2,1205)	1:698:A:VAL:HG11	1:695:A:LEU:HA	3	0.19
(2,1205)	1:698:A:VAL:HG12	1:695:A:LEU:HA	3	0.19
(2,1205)	1:698:A:VAL:HG13	1:695:A:LEU:HA	3	0.19
(2,1195)	1:695:A:LEU:HD21	1:698:A:VAL:HB	8	0.19
(2,1195)	1:695:A:LEU:HD22	1:698:A:VAL:HB	8	0.19
(2,1195)	1:695:A:LEU:HD23	1:698:A:VAL:HB	8	0.19
(2,1171)	1:687:A:ILE:HD11	1:684:A:ILE:HD11	14	0.19
(2,1171)	1:687:A:ILE:HD11	1:684:A:ILE:HD12	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1171)	1:687:A:ILE:HD11	1:684:A:ILE:HD13	14	0.19
(2,1171)	1:687:A:ILE:HD12	1:684:A:ILE:HD11	14	0.19
(2,1171)	1:687:A:ILE:HD12	1:684:A:ILE:HD12	14	0.19
(2,1171)	1:687:A:ILE:HD12	1:684:A:ILE:HD13	14	0.19
(2,1171)	1:687:A:ILE:HD13	1:684:A:ILE:HD11	14	0.19
(2,1171)	1:687:A:ILE:HD13	1:684:A:ILE:HD12	14	0.19
(2,1171)	1:687:A:ILE:HD13	1:684:A:ILE:HD13	14	0.19
(2,1169)	1:686:A:ILE:HD11	1:685:A:PHE:HD1	3	0.19
(2,1169)	1:686:A:ILE:HD11	1:685:A:PHE:HD2	3	0.19
(2,1169)	1:686:A:ILE:HD12	1:685:A:PHE:HD1	3	0.19
(2,1169)	1:686:A:ILE:HD12	1:685:A:PHE:HD2	3	0.19
(2,1169)	1:686:A:ILE:HD13	1:685:A:PHE:HD1	3	0.19
(2,1169)	1:686:A:ILE:HD13	1:685:A:PHE:HD2	3	0.19
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	10	0.19
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	10	0.19
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	10	0.19
(2,1143)	1:682:A:ILE:HG21	1:679:A:LEU:H	1	0.19
(2,1143)	1:682:A:ILE:HG22	1:679:A:LEU:H	1	0.19
(2,1143)	1:682:A:ILE:HG23	1:679:A:LEU:H	1	0.19
(2,1136)	1:678:A:TRP:HE1	1:682:A:ILE:H	2	0.19
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	1	0.19
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	1	0.19
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	1	0.19
(2,1122)	1:674:A:ASP:H	1:677:A:ASN:H	11	0.19
(2,1118)	1:672:A:TRP:H	1:673:A:PHE:H	1	0.19
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	2	0.19
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	12	0.19
(2,1075)	1:664:A:ASP:H	1:663:A:LEU:H	14	0.19
(2,1069)	1:663:A:LEU:H	1:664:A:ASP:H	14	0.19
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	7	0.19
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	7	0.19
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	7	0.19
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	7	0.19
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	7	0.19
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	7	0.19
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	7	0.19
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	7	0.19
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	7	0.19
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	7	0.19
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	7	0.19
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	7	0.19
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	2	0.19
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	12	0.19
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	12	0.19
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	15	0.19
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	15	0.19
(2,1032)	1:785:A:LEU:HD21	1:782:A:VAL:HA	11	0.19
(2,1032)	1:785:A:LEU:HD22	1:782:A:VAL:HA	11	0.19
(2,1032)	1:785:A:LEU:HD23	1:782:A:VAL:HA	11	0.19
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD2	9	0.19
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD3	9	0.19
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	14	0.19
(2,943)	1:763:A:LEU:HD11	1:759:A:ASP:HA	8	0.19
(2,943)	1:763:A:LEU:HD12	1:759:A:ASP:HA	8	0.19
(2,943)	1:763:A:LEU:HD13	1:759:A:ASP:HA	8	0.19
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	14	0.19
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	14	0.19
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	14	0.19
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	14	0.19
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	14	0.19
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	14	0.19
(2,904)	1:748:A:LEU:H	1:745:A:SER:HA	8	0.19
(2,897)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	3	0.19
(2,897)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	3	0.19
(2,897)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	3	0.19
(2,895)	1:746:A:ILE:HD11	1:743:A:ASP:HA	6	0.19
(2,895)	1:746:A:ILE:HD12	1:743:A:ASP:HA	6	0.19
(2,895)	1:746:A:ILE:HD13	1:743:A:ASP:HA	6	0.19
(2,890)	1:746:A:ILE:H	1:743:A:ASP:HB2	15	0.19
(2,890)	1:746:A:ILE:H	1:743:A:ASP:HB3	15	0.19
(2,869)	1:710:A:GLN:H	1:710:A:GLN:HB3	13	0.19
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD11	11	0.19
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD12	11	0.19
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD13	11	0.19
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD21	11	0.19
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD22	11	0.19
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD23	11	0.19
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	4	0.19
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	4	0.19
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	9	0.19
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	9	0.19
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	9	0.19
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	9	0.19
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	9	0.19
(2,821)	1:705:A:VAL:H	1:702:A:LEU:HA	12	0.19
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	2	0.19
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	13	0.19
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	15	0.19
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	15	0.19
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	15	0.19
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	15	0.19
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	15	0.19
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	15	0.19
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	5	0.19
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	5	0.19
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	5	0.19
(2,780)	1:698:A:VAL:HG11	1:695:A:LEU:HA	3	0.19
(2,780)	1:698:A:VAL:HG12	1:695:A:LEU:HA	3	0.19
(2,780)	1:698:A:VAL:HG13	1:695:A:LEU:HA	3	0.19
(2,770)	1:695:A:LEU:HD21	1:698:A:VAL:HB	8	0.19
(2,770)	1:695:A:LEU:HD22	1:698:A:VAL:HB	8	0.19
(2,770)	1:695:A:LEU:HD23	1:698:A:VAL:HB	8	0.19
(2,746)	1:687:A:ILE:HD11	1:684:A:ILE:HD11	14	0.19
(2,746)	1:687:A:ILE:HD11	1:684:A:ILE:HD12	14	0.19
(2,746)	1:687:A:ILE:HD11	1:684:A:ILE:HD13	14	0.19
(2,746)	1:687:A:ILE:HD12	1:684:A:ILE:HD11	14	0.19
(2,746)	1:687:A:ILE:HD12	1:684:A:ILE:HD12	14	0.19
(2,746)	1:687:A:ILE:HD12	1:684:A:ILE:HD13	14	0.19
(2,746)	1:687:A:ILE:HD13	1:684:A:ILE:HD11	14	0.19
(2,746)	1:687:A:ILE:HD13	1:684:A:ILE:HD12	14	0.19
(2,746)	1:687:A:ILE:HD13	1:684:A:ILE:HD13	14	0.19
(2,744)	1:686:A:ILE:HD11	1:685:A:PHE:HD1	3	0.19
(2,744)	1:686:A:ILE:HD11	1:685:A:PHE:HD2	3	0.19
(2,744)	1:686:A:ILE:HD12	1:685:A:PHE:HD1	3	0.19
(2,744)	1:686:A:ILE:HD12	1:685:A:PHE:HD2	3	0.19
(2,744)	1:686:A:ILE:HD13	1:685:A:PHE:HD1	3	0.19
(2,744)	1:686:A:ILE:HD13	1:685:A:PHE:HD2	3	0.19
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	10	0.19
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	10	0.19
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	10	0.19
(2,718)	1:682:A:ILE:HG21	1:679:A:LEU:H	1	0.19
(2,718)	1:682:A:ILE:HG22	1:679:A:LEU:H	1	0.19
(2,718)	1:682:A:ILE:HG23	1:679:A:LEU:H	1	0.19
(2,711)	1:678:A:TRP:HE1	1:682:A:ILE:H	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	1	0.19
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	1	0.19
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	1	0.19
(2,697)	1:674:A:ASP:H	1:677:A:ASN:H	11	0.19
(2,693)	1:672:A:TRP:H	1:673:A:PHE:H	1	0.19
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	2	0.19
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	12	0.19
(2,650)	1:664:A:ASP:H	1:663:A:LEU:H	14	0.19
(2,644)	1:663:A:LEU:H	1:664:A:ASP:H	14	0.19
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	7	0.19
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	7	0.19
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	7	0.19
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	7	0.19
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	7	0.19
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	7	0.19
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	7	0.19
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	7	0.19
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	7	0.19
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	7	0.19
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	7	0.19
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	7	0.19
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB2	1	0.19
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB3	1	0.19
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB2	10	0.19
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB3	10	0.19
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB2	11	0.19
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB3	11	0.19
(2,620)	1:802:B:TYR:H	1:802:B:TYR:HB3	6	0.19
(2,601)	1:785:B:LEU:H	1:782:B:VAL:HA	12	0.19
(2,593)	1:784:B:LEU:H	1:781:B:ILE:HA	3	0.19
(2,559)	1:778:B:VAL:H	1:775:B:LEU:HA	2	0.19
(2,545)	1:775:B:LEU:HD11	1:772:B:ARG:HA	7	0.19
(2,545)	1:775:B:LEU:HD12	1:772:B:ARG:HA	7	0.19
(2,545)	1:775:B:LEU:HD13	1:772:B:ARG:HA	7	0.19
(2,540)	1:775:B:LEU:H	1:772:B:ARG:HA	7	0.19
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH21	9	0.19
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH22	9	0.19
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH21	9	0.19
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH22	9	0.19
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH21	9	0.19
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH22	9	0.19
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,521)	1:763:B:LEU:HD21	1:771:B:LEU:HB2	12	0.19
(2,521)	1:763:B:LEU:HD21	1:771:B:LEU:HB3	12	0.19
(2,521)	1:763:B:LEU:HD22	1:771:B:LEU:HB2	12	0.19
(2,521)	1:763:B:LEU:HD22	1:771:B:LEU:HB3	12	0.19
(2,521)	1:763:B:LEU:HD23	1:771:B:LEU:HB2	12	0.19
(2,521)	1:763:B:LEU:HD23	1:771:B:LEU:HB3	12	0.19
(2,519)	1:763:B:LEU:HD11	1:764:B:SER:HG	1	0.19
(2,519)	1:763:B:LEU:HD12	1:764:B:SER:HG	1	0.19
(2,519)	1:763:B:LEU:HD13	1:764:B:SER:HG	1	0.19
(2,502)	1:755:B:LEU:H	1:752:B:SER:HA	4	0.19
(2,502)	1:755:B:LEU:H	1:752:B:SER:HA	8	0.19
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	8	0.19
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	8	0.19
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	8	0.19
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	8	0.19
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	8	0.19
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	8	0.19
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	14	0.19
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	14	0.19
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	14	0.19
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	14	0.19
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	14	0.19
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	14	0.19
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	6	0.19
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	6	0.19
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	15	0.19
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	15	0.19
(2,396)	1:705:B:VAL:H	1:702:B:LEU:HA	12	0.19
(2,390)	1:704:B:LEU:H	1:704:B:LEU:HB3	7	0.19
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD1	10	0.19
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD2	10	0.19
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD1	10	0.19
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD2	10	0.19
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD1	10	0.19
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD2	10	0.19
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	8	0.19
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	4	0.19
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	4	0.19
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	4	0.19
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA2	10	0.19
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA3	10	0.19
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA2	10	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA3	10	0.19
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA2	10	0.19
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA3	10	0.19
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	6	0.19
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	6	0.19
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	6	0.19
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	6	0.19
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	6	0.19
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	6	0.19
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	9	0.19
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	9	0.19
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	9	0.19
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	9	0.19
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	9	0.19
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	9	0.19
(2,330)	1:692:B:LEU:HD11	1:689:B:VAL:HA	11	0.19
(2,330)	1:692:B:LEU:HD12	1:689:B:VAL:HA	11	0.19
(2,330)	1:692:B:LEU:HD13	1:689:B:VAL:HA	11	0.19
(2,286)	1:678:B:TRP:HE1	1:682:B:ILE:H	13	0.19
(2,280)	1:676:B:THR:HG21	1:681:B:TYR:HH	2	0.19
(2,280)	1:676:B:THR:HG22	1:681:B:TYR:HH	2	0.19
(2,280)	1:676:B:THR:HG23	1:681:B:TYR:HH	2	0.19
(2,272)	1:674:B:ASP:H	1:677:B:ASN:H	3	0.19
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	5	0.19
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	5	0.19
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	5	0.19
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	5	0.19
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	5	0.19
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	5	0.19
(2,245)	1:667:B:ALA:H	1:666:B:TRP:HD1	6	0.19
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	14	0.19
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	5	0.19
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	7	0.19
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	9	0.19
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	10	0.19
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	14	0.19
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	13	0.19
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG12	15	0.19
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG13	15	0.19
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG12	15	0.19
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG13	15	0.19
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	7	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	7	0.19
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	7	0.19
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	7	0.19
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	7	0.19
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	7	0.19
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	7	0.19
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	7	0.19
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	7	0.19
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	7	0.19
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG12	13	0.19
(2,193)	1:817:B:ALA:H	1:830:B:ILE:HG13	13	0.19
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	1	0.19
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	1	0.19
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	8	0.19
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	8	0.19
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	5	0.19
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	5	0.19
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	5	0.19
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	5	0.19
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	2	0.19
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	2	0.19
(2,150)	1:790:A:TRP:HE1	1:851:A:LEU:HD11	5	0.19
(2,150)	1:790:A:TRP:HE1	1:851:A:LEU:HD12	5	0.19
(2,150)	1:790:A:TRP:HE1	1:851:A:LEU:HD13	5	0.19
(2,150)	1:790:A:TRP:HE1	1:851:A:LEU:HD21	5	0.19
(2,150)	1:790:A:TRP:HE1	1:851:A:LEU:HD22	5	0.19
(2,150)	1:790:A:TRP:HE1	1:851:A:LEU:HD23	5	0.19
(2,149)	1:790:A:TRP:HE1	1:851:A:LEU:HD11	5	0.19
(2,149)	1:790:A:TRP:HE1	1:851:A:LEU:HD12	5	0.19
(2,149)	1:790:A:TRP:HE1	1:851:A:LEU:HD13	5	0.19
(2,149)	1:790:A:TRP:HE1	1:851:A:LEU:HD21	5	0.19
(2,149)	1:790:A:TRP:HE1	1:851:A:LEU:HD22	5	0.19
(2,149)	1:790:A:TRP:HE1	1:851:A:LEU:HD23	5	0.19
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB2	4	0.19
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB3	4	0.19
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB2	9	0.19
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB3	9	0.19
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	6	0.19
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	6	0.19
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	6	0.19
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	6	0.19
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	6	0.19
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	7	0.19
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	7	0.19
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	7	0.19
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	7	0.19
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	7	0.19
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	7	0.19
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	15	0.19
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	15	0.19
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	15	0.19
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	15	0.19
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	15	0.19
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	15	0.19
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	3	0.19
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	3	0.19
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	3	0.19
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	3	0.19
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	3	0.19
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	3	0.19
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD11	4	0.19
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD12	4	0.19
(2,53)	1:696:A:ARG:H	1:693:A:ILE:HD13	4	0.19
(2,13)	1:666:B:TRP:HE1	1:666:A:TRP:HD1	15	0.19
(1,196)	1:801:B:GLN:O	1:805:B:GLN:N	13	0.19
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	11	0.19
(1,193)	1:800:B:LEU:O	1:804:B:SER:H	9	0.19
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	3	0.19
(1,182)	1:794:B:LYS:O	1:798:B:ASN:N	12	0.19
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	5	0.19
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	7	0.19
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	15	0.19
(1,110)	1:801:B:GLN:O	1:805:B:GLN:N	13	0.19
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	11	0.19
(1,107)	1:800:B:LEU:O	1:804:B:SER:H	9	0.19
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	3	0.19
(1,96)	1:794:B:LYS:O	1:798:B:ASN:N	12	0.19
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	5	0.19
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	7	0.19
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	15	0.19
(1,24)	1:801:B:GLN:O	1:805:B:GLN:N	13	0.19
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	11	0.19
(1,21)	1:800:B:LEU:O	1:804:B:SER:H	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	3	0.19
(1,10)	1:794:B:LYS:O	1:798:B:ASN:N	12	0.19
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	5	0.19
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	7	0.19
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	15	0.19
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB2	8	0.18
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB3	8	0.18
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	12	0.18
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	12	0.18
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	12	0.18
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	12	0.18
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	12	0.18
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	12	0.18
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	3	0.18
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	3	0.18
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	3	0.18
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	7	0.18
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	7	0.18
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	7	0.18
(2,1451)	1:785:A:LEU:H	1:782:A:VAL:HA	13	0.18
(2,1443)	1:784:A:LEU:H	1:781:A:ILE:HA	6	0.18
(2,1443)	1:784:A:LEU:H	1:781:A:ILE:HA	13	0.18
(2,1425)	1:781:A:ILE:H	1:778:A:VAL:HA	7	0.18
(2,1414)	1:778:A:VAL:HG21	1:775:A:LEU:HA	8	0.18
(2,1414)	1:778:A:VAL:HG22	1:775:A:LEU:HA	8	0.18
(2,1414)	1:778:A:VAL:HG23	1:775:A:LEU:HA	8	0.18
(2,1409)	1:778:A:VAL:H	1:775:A:LEU:HA	14	0.18
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	8	0.18
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	8	0.18
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	8	0.18
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	8	0.18
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	8	0.18
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	8	0.18
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD2	9	0.18
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD3	9	0.18
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	10	0.18
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	10	0.18
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	10	0.18
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	10	0.18
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	10	0.18
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	10	0.18
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD2	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1328)	1:748:A:LEU:H	1:744:A:ARG:HD3	3	0.18
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	5	0.18
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	7	0.18
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	14	0.18
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	5	0.18
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	5	0.18
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	7	0.18
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	7	0.18
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	7	0.18
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	7	0.18
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	7	0.18
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	7	0.18
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	7	0.18
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	7	0.18
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	7	0.18
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	7	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	1	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	3	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	5	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	6	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	8	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	9	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	10	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	11	0.18
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	12	0.18
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	15	0.18
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	15	0.18
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	15	0.18
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	15	0.18
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	15	0.18
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	15	0.18
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	15	0.18
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	15	0.18
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	15	0.18
(2,1202)	1:697:A:ILE:HG21	1:694:A:GLY:HA2	6	0.18
(2,1202)	1:697:A:ILE:HG21	1:694:A:GLY:HA3	6	0.18
(2,1202)	1:697:A:ILE:HG22	1:694:A:GLY:HA2	6	0.18
(2,1202)	1:697:A:ILE:HG22	1:694:A:GLY:HA3	6	0.18
(2,1202)	1:697:A:ILE:HG23	1:694:A:GLY:HA2	6	0.18
(2,1202)	1:697:A:ILE:HG23	1:694:A:GLY:HA3	6	0.18
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	9	0.18
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	9	0.18
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	9	0.18
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	9	0.18
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	9	0.18
(2,1188)	1:693:A:ILE:HG21	1:693:A:ILE:H	6	0.18
(2,1188)	1:693:A:ILE:HG22	1:693:A:ILE:H	6	0.18
(2,1188)	1:693:A:ILE:HG23	1:693:A:ILE:H	6	0.18
(2,1176)	1:689:A:VAL:HG21	1:685:A:PHE:HD1	3	0.18
(2,1176)	1:689:A:VAL:HG21	1:685:A:PHE:HD2	3	0.18
(2,1176)	1:689:A:VAL:HG22	1:685:A:PHE:HD1	3	0.18
(2,1176)	1:689:A:VAL:HG22	1:685:A:PHE:HD2	3	0.18
(2,1176)	1:689:A:VAL:HG23	1:685:A:PHE:HD1	3	0.18
(2,1176)	1:689:A:VAL:HG23	1:685:A:PHE:HD2	3	0.18
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	5	0.18
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	5	0.18
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	5	0.18
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD11	5	0.18
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD12	5	0.18
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD13	5	0.18
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD11	9	0.18
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD12	9	0.18
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD13	9	0.18
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD21	9	0.18
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD22	9	0.18
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD23	9	0.18
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	14	0.18
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	15	0.18
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	9	0.18
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	9	0.18
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	9	0.18
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	9	0.18
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	9	0.18
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	9	0.18
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	9	0.18
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	9	0.18
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	9	0.18
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	9	0.18
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	9	0.18
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	9	0.18
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB2	8	0.18
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB3	8	0.18
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	12	0.18
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	12	0.18
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	12	0.18
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	12	0.18
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	12	0.18
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	3	0.18
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	3	0.18
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	3	0.18
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	7	0.18
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	7	0.18
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	7	0.18
(2,1026)	1:785:A:LEU:H	1:782:A:VAL:HA	13	0.18
(2,1018)	1:784:A:LEU:H	1:781:A:ILE:HA	6	0.18
(2,1018)	1:784:A:LEU:H	1:781:A:ILE:HA	13	0.18
(2,1000)	1:781:A:ILE:H	1:778:A:VAL:HA	7	0.18
(2,989)	1:778:A:VAL:HG21	1:775:A:LEU:HA	8	0.18
(2,989)	1:778:A:VAL:HG22	1:775:A:LEU:HA	8	0.18
(2,989)	1:778:A:VAL:HG23	1:775:A:LEU:HA	8	0.18
(2,984)	1:778:A:VAL:H	1:775:A:LEU:HA	14	0.18
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	8	0.18
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	8	0.18
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	8	0.18
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	8	0.18
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	8	0.18
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	8	0.18
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD2	9	0.18
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD3	9	0.18
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	10	0.18
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	10	0.18
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	10	0.18
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	10	0.18
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	10	0.18
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	10	0.18
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD2	3	0.18
(2,903)	1:748:A:LEU:H	1:744:A:ARG:HD3	3	0.18
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	5	0.18
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	7	0.18
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	14	0.18
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	5	0.18
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	5	0.18
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	7	0.18
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	7	0.18
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	7	0.18
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	7	0.18
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	7	0.18
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	7	0.18
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	7	0.18
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	7	0.18
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	7	0.18
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	1	0.18
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	3	0.18
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	5	0.18
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	6	0.18
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	8	0.18
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	9	0.18
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	10	0.18
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	11	0.18
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	12	0.18
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	15	0.18
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	15	0.18
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	15	0.18
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	15	0.18
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	15	0.18
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	15	0.18
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	15	0.18
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	15	0.18
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	15	0.18
(2,777)	1:697:A:ILE:HG21	1:694:A:GLY:HA2	6	0.18
(2,777)	1:697:A:ILE:HG21	1:694:A:GLY:HA3	6	0.18
(2,777)	1:697:A:ILE:HG22	1:694:A:GLY:HA2	6	0.18
(2,777)	1:697:A:ILE:HG22	1:694:A:GLY:HA3	6	0.18
(2,777)	1:697:A:ILE:HG23	1:694:A:GLY:HA2	6	0.18
(2,777)	1:697:A:ILE:HG23	1:694:A:GLY:HA3	6	0.18
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	9	0.18
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	9	0.18
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	9	0.18
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	9	0.18
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	9	0.18
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	9	0.18
(2,763)	1:693:A:ILE:HG21	1:693:A:ILE:H	6	0.18
(2,763)	1:693:A:ILE:HG22	1:693:A:ILE:H	6	0.18
(2,763)	1:693:A:ILE:HG23	1:693:A:ILE:H	6	0.18
(2,751)	1:689:A:VAL:HG21	1:685:A:PHE:HD1	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,751)	1:689:A:VAL:HG21	1:685:A:PHE:HD2	3	0.18
(2,751)	1:689:A:VAL:HG22	1:685:A:PHE:HD1	3	0.18
(2,751)	1:689:A:VAL:HG22	1:685:A:PHE:HD2	3	0.18
(2,751)	1:689:A:VAL:HG23	1:685:A:PHE:HD1	3	0.18
(2,751)	1:689:A:VAL:HG23	1:685:A:PHE:HD2	3	0.18
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	5	0.18
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	5	0.18
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	5	0.18
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD11	5	0.18
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD12	5	0.18
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD13	5	0.18
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD11	9	0.18
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD12	9	0.18
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD13	9	0.18
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD21	9	0.18
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD22	9	0.18
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD23	9	0.18
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	14	0.18
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	15	0.18
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	9	0.18
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	9	0.18
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	9	0.18
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	9	0.18
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	9	0.18
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	9	0.18
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	9	0.18
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	9	0.18
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	9	0.18
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	9	0.18
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	9	0.18
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	9	0.18
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG11	11	0.18
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG12	11	0.18
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG13	11	0.18
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG21	11	0.18
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG22	11	0.18
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG23	11	0.18
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB2	13	0.18
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB3	13	0.18
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	3	0.18
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	3	0.18
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,615)	1:796:B:TRP:HE1	1:796:B:TRP:H	11	0.18
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	5	0.18
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	8	0.18
(2,545)	1:775:B:LEU:HD11	1:772:B:ARG:HA	4	0.18
(2,545)	1:775:B:LEU:HD12	1:772:B:ARG:HA	4	0.18
(2,545)	1:775:B:LEU:HD13	1:772:B:ARG:HA	4	0.18
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH21	3	0.18
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH22	3	0.18
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH21	3	0.18
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH22	3	0.18
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH21	3	0.18
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH22	3	0.18
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	6	0.18
(2,420)	1:707:B:ARG:H	1:707:B:ARG:HG2	11	0.18
(2,420)	1:707:B:ARG:H	1:707:B:ARG:HG3	11	0.18
(2,405)	1:705:B:VAL:HG21	1:702:B:LEU:HG	2	0.18
(2,405)	1:705:B:VAL:HG22	1:702:B:LEU:HG	2	0.18
(2,405)	1:705:B:VAL:HG23	1:702:B:LEU:HG	2	0.18
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	12	0.18
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	12	0.18
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	12	0.18
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	12	0.18
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	12	0.18
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	12	0.18
(2,369)	1:701:B:VAL:H	1:698:B:VAL:HA	6	0.18
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	4	0.18
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	5	0.18
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	9	0.18
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	10	0.18
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	11	0.18
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	13	0.18
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD1	3	0.18
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD2	3	0.18
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD1	3	0.18
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD2	3	0.18
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD1	3	0.18
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD2	3	0.18
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	1	0.18
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	1	0.18
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	1	0.18
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	14	0.18
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	14	0.18
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG2	11	0.18
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG3	11	0.18
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG2	11	0.18
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG3	11	0.18
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG2	11	0.18
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG3	11	0.18
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG2	14	0.18
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG3	14	0.18
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG2	14	0.18
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG3	14	0.18
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG2	14	0.18
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG3	14	0.18
(2,333)	1:692:B:LEU:HD12	1:696:B:ARG:HH11	9	0.18
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD11	4	0.18
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD12	4	0.18
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD13	4	0.18
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD11	4	0.18
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD12	4	0.18
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD13	4	0.18
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD11	4	0.18
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD12	4	0.18
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD13	4	0.18
(2,292)	1:681:B:TYR:H	1:682:B:ILE:H	13	0.18
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD11	15	0.18
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD12	15	0.18
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD13	15	0.18
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD21	15	0.18
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD22	15	0.18
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD23	15	0.18
(2,272)	1:674:B:ASP:H	1:677:B:ASN:H	11	0.18
(2,245)	1:667:B:ALA:H	1:666:B:TRP:HD1	2	0.18
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	13	0.18
(2,225)	1:664:B:ASP:H	1:663:B:LEU:H	2	0.18
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	2	0.18
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	5	0.18
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	7	0.18
(2,219)	1:663:B:LEU:H	1:664:B:ASP:H	2	0.18
(2,177)	1:803:A:TRP:HE1	1:764:B:SER:HG	5	0.18
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	15	0.18
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	15	0.18
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	15	0.18
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	4	0.18
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	4	0.18
(2,153)	1:792:A:ALA:H	1:752:B:SER:HB2	1	0.18
(2,153)	1:792:A:ALA:H	1:752:B:SER:HB3	1	0.18
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG12	5	0.18
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG13	5	0.18
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG12	14	0.18
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG13	14	0.18
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD1	7	0.18
(2,132)	1:756:B:ILE:H	1:795:A:TYR:HD2	7	0.18
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	12	0.18
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	12	0.18
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	12	0.18
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	12	0.18
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	12	0.18
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	12	0.18
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB2	3	0.18
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB3	3	0.18
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB2	8	0.18
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB3	8	0.18
(2,81)	1:708:A:VAL:HG21	1:714:B:PRO:HA	13	0.18
(2,81)	1:708:A:VAL:HG22	1:714:B:PRO:HA	13	0.18
(2,81)	1:708:A:VAL:HG23	1:714:B:PRO:HA	13	0.18
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	9	0.18
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	9	0.18
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	9	0.18
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	9	0.18
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	9	0.18
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	9	0.18
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	9	0.18
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	9	0.18
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	9	0.18
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	9	0.18
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	9	0.18
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	9	0.18
(2,55)	1:696:B:ARG:HE	1:694:A:GLY:HA2	1	0.18
(2,55)	1:696:B:ARG:HE	1:694:A:GLY:HA3	1	0.18
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD11	11	0.18
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD12	11	0.18
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD13	11	0.18
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,192)	1:799:B:LEU:O	1:803:B:TRP:N	4	0.18
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	6	0.18
(1,106)	1:799:B:LEU:O	1:803:B:TRP:N	4	0.18
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	6	0.18
(1,20)	1:799:B:LEU:O	1:803:B:TRP:N	4	0.18
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	4	0.17
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	4	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG11	10	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG12	10	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG13	10	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG21	10	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG22	10	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG23	10	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG11	14	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG12	14	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG13	14	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG21	14	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG22	14	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG23	14	0.17
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD11	1	0.17
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD12	1	0.17
(2,1477)	1:819:A:ALA:H	1:820:A:ILE:HD13	1	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	2	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	2	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	2	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	2	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	2	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	2	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	8	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	8	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	8	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	8	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	8	0.17
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	8	0.17
(2,1457)	1:785:A:LEU:HD21	1:782:A:VAL:HA	14	0.17
(2,1457)	1:785:A:LEU:HD22	1:782:A:VAL:HA	14	0.17
(2,1457)	1:785:A:LEU:HD23	1:782:A:VAL:HA	14	0.17
(2,1436)	1:782:A:VAL:HG21	1:779:A:THR:HA	4	0.17
(2,1436)	1:782:A:VAL:HG22	1:779:A:THR:HA	4	0.17
(2,1436)	1:782:A:VAL:HG23	1:779:A:THR:HA	4	0.17
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	12	0.17
(2,1430)	1:781:A:ILE:HG21	1:778:A:VAL:HA	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1430)	1:781:A:ILE:HG22	1:778:A:VAL:HA	12	0.17
(2,1430)	1:781:A:ILE:HG23	1:778:A:VAL:HA	12	0.17
(2,1430)	1:781:A:ILE:HG21	1:778:A:VAL:HA	14	0.17
(2,1430)	1:781:A:ILE:HG22	1:778:A:VAL:HA	14	0.17
(2,1430)	1:781:A:ILE:HG23	1:778:A:VAL:HA	14	0.17
(2,1402)	1:777:A:ILE:H	1:774:A:LEU:HA	1	0.17
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	10	0.17
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	10	0.17
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	10	0.17
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	10	0.17
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	10	0.17
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	10	0.17
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	6	0.17
(2,1377)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	6	0.17
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	6	0.17
(2,1377)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	6	0.17
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	6	0.17
(2,1377)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	6	0.17
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB2	2	0.17
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB3	2	0.17
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	15	0.17
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	15	0.17
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	15	0.17
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	15	0.17
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	15	0.17
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	15	0.17
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB1	8	0.17
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB2	8	0.17
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB3	8	0.17
(2,1350)	1:754:A:ALA:HB1	1:758:A:ASP:H	8	0.17
(2,1350)	1:754:A:ALA:HB2	1:758:A:ASP:H	8	0.17
(2,1350)	1:754:A:ALA:HB3	1:758:A:ASP:H	8	0.17
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	15	0.17
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	15	0.17
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	15	0.17
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	15	0.17
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	15	0.17
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	15	0.17
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	7	0.17
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	7	0.17
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	7	0.17
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	7	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	7	0.17
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	7	0.17
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	10	0.17
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	10	0.17
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	10	0.17
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	10	0.17
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	10	0.17
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	10	0.17
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	15	0.17
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	12	0.17
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	12	0.17
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	12	0.17
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	12	0.17
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	12	0.17
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	12	0.17
(2,1289)	1:710:A:GLN:H	1:708:A:VAL:HA	11	0.17
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG2	7	0.17
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG3	7	0.17
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	15	0.17
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	15	0.17
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	8	0.17
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	8	0.17
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	8	0.17
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	8	0.17
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	8	0.17
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	8	0.17
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	1	0.17
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	1	0.17
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	1	0.17
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	1	0.17
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	1	0.17
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	1	0.17
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	12	0.17
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	12	0.17
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	12	0.17
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	12	0.17
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	12	0.17
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	12	0.17
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	4	0.17
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	7	0.17
(2,1213)	1:700:A:ALA:H	1:699:A:PHE:HA	14	0.17
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	8	0.17
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	8	0.17
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	10	0.17
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	10	0.17
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	10	0.17
(2,1198)	1:695:A:LEU:HD21	1:696:A:ARG:HH11	8	0.17
(2,1198)	1:695:A:LEU:HD21	1:696:A:ARG:HH12	8	0.17
(2,1198)	1:695:A:LEU:HD22	1:696:A:ARG:HH11	8	0.17
(2,1198)	1:695:A:LEU:HD22	1:696:A:ARG:HH12	8	0.17
(2,1198)	1:695:A:LEU:HD23	1:696:A:ARG:HH11	8	0.17
(2,1198)	1:695:A:LEU:HD23	1:696:A:ARG:HH12	8	0.17
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	2	0.17
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	2	0.17
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	2	0.17
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	2	0.17
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	2	0.17
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	2	0.17
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	13	0.17
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	13	0.17
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	13	0.17
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	13	0.17
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	13	0.17
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	13	0.17
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD11	14	0.17
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD12	14	0.17
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD13	14	0.17
(2,1126)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	15	0.17
(2,1126)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	15	0.17
(2,1126)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	15	0.17
(2,1118)	1:672:A:TRP:H	1:673:A:PHE:H	6	0.17
(2,1118)	1:672:A:TRP:H	1:673:A:PHE:H	12	0.17
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	2	0.17
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	1	0.17
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	5	0.17
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	10	0.17
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	4	0.17
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	4	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG11	10	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG12	10	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG13	10	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG21	10	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG22	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG23	10	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG11	14	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG12	14	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG13	14	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG21	14	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG22	14	0.17
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG23	14	0.17
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD11	1	0.17
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD12	1	0.17
(2,1052)	1:819:A:ALA:H	1:820:A:ILE:HD13	1	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	2	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	2	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	2	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	2	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	2	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	2	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	8	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	8	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	8	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	8	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	8	0.17
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	8	0.17
(2,1032)	1:785:A:LEU:HD21	1:782:A:VAL:HA	14	0.17
(2,1032)	1:785:A:LEU:HD22	1:782:A:VAL:HA	14	0.17
(2,1032)	1:785:A:LEU:HD23	1:782:A:VAL:HA	14	0.17
(2,1011)	1:782:A:VAL:HG21	1:779:A:THR:HA	4	0.17
(2,1011)	1:782:A:VAL:HG22	1:779:A:THR:HA	4	0.17
(2,1011)	1:782:A:VAL:HG23	1:779:A:THR:HA	4	0.17
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	12	0.17
(2,1005)	1:781:A:ILE:HG21	1:778:A:VAL:HA	12	0.17
(2,1005)	1:781:A:ILE:HG22	1:778:A:VAL:HA	12	0.17
(2,1005)	1:781:A:ILE:HG23	1:778:A:VAL:HA	12	0.17
(2,1005)	1:781:A:ILE:HG21	1:778:A:VAL:HA	14	0.17
(2,1005)	1:781:A:ILE:HG22	1:778:A:VAL:HA	14	0.17
(2,1005)	1:781:A:ILE:HG23	1:778:A:VAL:HA	14	0.17
(2,977)	1:777:A:ILE:H	1:774:A:LEU:HA	1	0.17
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	10	0.17
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	10	0.17
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	10	0.17
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	10	0.17
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	10	0.17
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH21	6	0.17
(2,952)	1:771:A:LEU:HD21	1:772:A:ARG:HH22	6	0.17
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH21	6	0.17
(2,952)	1:771:A:LEU:HD22	1:772:A:ARG:HH22	6	0.17
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH21	6	0.17
(2,952)	1:771:A:LEU:HD23	1:772:A:ARG:HH22	6	0.17
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB2	2	0.17
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB3	2	0.17
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	15	0.17
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	15	0.17
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	15	0.17
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	15	0.17
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	15	0.17
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	15	0.17
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB1	8	0.17
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB2	8	0.17
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB3	8	0.17
(2,925)	1:754:A:ALA:HB1	1:758:A:ASP:H	8	0.17
(2,925)	1:754:A:ALA:HB2	1:758:A:ASP:H	8	0.17
(2,925)	1:754:A:ALA:HB3	1:758:A:ASP:H	8	0.17
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	15	0.17
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	15	0.17
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	15	0.17
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	15	0.17
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	15	0.17
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	15	0.17
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	7	0.17
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	7	0.17
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	7	0.17
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	7	0.17
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	7	0.17
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	7	0.17
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	10	0.17
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	10	0.17
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	10	0.17
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	10	0.17
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	10	0.17
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	10	0.17
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	15	0.17
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	12	0.17
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	12	0.17
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	12	0.17
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	12	0.17
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	12	0.17
(2,864)	1:710:A:GLN:H	1:708:A:VAL:HA	11	0.17
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG2	7	0.17
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG3	7	0.17
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	15	0.17
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	15	0.17
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	8	0.17
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	8	0.17
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	8	0.17
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	8	0.17
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	8	0.17
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	8	0.17
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	1	0.17
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	1	0.17
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	1	0.17
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	1	0.17
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	1	0.17
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	1	0.17
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	12	0.17
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	12	0.17
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	12	0.17
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	12	0.17
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	12	0.17
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	12	0.17
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	4	0.17
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	7	0.17
(2,788)	1:700:A:ALA:H	1:699:A:PHE:HA	14	0.17
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	8	0.17
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	8	0.17
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	8	0.17
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	10	0.17
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	10	0.17
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	10	0.17
(2,773)	1:695:A:LEU:HD21	1:696:A:ARG:HH11	8	0.17
(2,773)	1:695:A:LEU:HD21	1:696:A:ARG:HH12	8	0.17
(2,773)	1:695:A:LEU:HD22	1:696:A:ARG:HH11	8	0.17
(2,773)	1:695:A:LEU:HD22	1:696:A:ARG:HH12	8	0.17
(2,773)	1:695:A:LEU:HD23	1:696:A:ARG:HH11	8	0.17
(2,773)	1:695:A:LEU:HD23	1:696:A:ARG:HH12	8	0.17
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	2	0.17
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	2	0.17
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	2	0.17
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	2	0.17
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	2	0.17
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	13	0.17
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	13	0.17
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	13	0.17
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	13	0.17
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	13	0.17
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	13	0.17
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD11	14	0.17
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD12	14	0.17
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD13	14	0.17
(2,701)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	15	0.17
(2,701)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	15	0.17
(2,701)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	15	0.17
(2,693)	1:672:A:TRP:H	1:673:A:PHE:H	6	0.17
(2,693)	1:672:A:TRP:H	1:673:A:PHE:H	12	0.17
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	2	0.17
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	1	0.17
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	5	0.17
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	10	0.17
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB2	4	0.17
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB3	4	0.17
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	8	0.17
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	8	0.17
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	8	0.17
(2,546)	1:776:B:LEU:H	1:773:B:ASP:HA	15	0.17
(2,545)	1:775:B:LEU:HD11	1:772:B:ARG:HA	1	0.17
(2,545)	1:775:B:LEU:HD12	1:772:B:ARG:HA	1	0.17
(2,545)	1:775:B:LEU:HD13	1:772:B:ARG:HA	1	0.17
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD2	15	0.17
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD3	15	0.17
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH21	11	0.17
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH22	11	0.17
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH21	11	0.17
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH22	11	0.17
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH21	11	0.17
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH22	11	0.17
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	9	0.17
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,516)	1:760:B:LEU:HD21	1:768:B:TYR:HE1	10	0.17
(2,516)	1:760:B:LEU:HD21	1:768:B:TYR:HE2	10	0.17
(2,516)	1:760:B:LEU:HD22	1:768:B:TYR:HE1	10	0.17
(2,516)	1:760:B:LEU:HD22	1:768:B:TYR:HE2	10	0.17
(2,516)	1:760:B:LEU:HD23	1:768:B:TYR:HE1	10	0.17
(2,516)	1:760:B:LEU:HD23	1:768:B:TYR:HE2	10	0.17
(2,509)	1:758:B:ASP:H	1:754:B:ALA:HB1	12	0.17
(2,509)	1:758:B:ASP:H	1:754:B:ALA:HB2	12	0.17
(2,509)	1:758:B:ASP:H	1:754:B:ALA:HB3	12	0.17
(2,500)	1:754:B:ALA:HB1	1:758:B:ASP:H	12	0.17
(2,500)	1:754:B:ALA:HB2	1:758:B:ASP:H	12	0.17
(2,500)	1:754:B:ALA:HB3	1:758:B:ASP:H	12	0.17
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	12	0.17
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	12	0.17
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	12	0.17
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	12	0.17
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	12	0.17
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	12	0.17
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB2	1	0.17
(2,492)	1:753:B:LEU:HD21	1:750:B:ASN:HB3	1	0.17
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB2	1	0.17
(2,492)	1:753:B:LEU:HD22	1:750:B:ASN:HB3	1	0.17
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB2	1	0.17
(2,492)	1:753:B:LEU:HD23	1:750:B:ASN:HB3	1	0.17
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	7	0.17
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	7	0.17
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	7	0.17
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB2	14	0.17
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB3	14	0.17
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD2	8	0.17
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD3	8	0.17
(2,414)	1:707:B:ARG:H	1:704:B:LEU:HA	12	0.17
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG21	8	0.17
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG22	8	0.17
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG23	8	0.17
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG21	8	0.17
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG22	8	0.17
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG23	8	0.17
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG21	8	0.17
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG22	8	0.17
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG23	8	0.17
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG21	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG22	15	0.17
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG23	15	0.17
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG21	15	0.17
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG22	15	0.17
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG23	15	0.17
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG21	15	0.17
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG22	15	0.17
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG23	15	0.17
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD2	10	0.17
(2,393)	1:704:B:LEU:HD11	1:707:B:ARG:HD3	10	0.17
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD2	10	0.17
(2,393)	1:704:B:LEU:HD12	1:707:B:ARG:HD3	10	0.17
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD2	10	0.17
(2,393)	1:704:B:LEU:HD13	1:707:B:ARG:HD3	10	0.17
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	11	0.17
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	11	0.17
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	11	0.17
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	11	0.17
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	11	0.17
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	11	0.17
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	2	0.17
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	3	0.17
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	6	0.17
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	7	0.17
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	15	0.17
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	9	0.17
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	9	0.17
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	9	0.17
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	12	0.17
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	12	0.17
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	12	0.17
(2,354)	1:697:B:ILE:HG21	1:700:B:ALA:HB1	15	0.17
(2,354)	1:697:B:ILE:HG21	1:700:B:ALA:HB2	15	0.17
(2,354)	1:697:B:ILE:HG21	1:700:B:ALA:HB3	15	0.17
(2,354)	1:697:B:ILE:HG22	1:700:B:ALA:HB1	15	0.17
(2,354)	1:697:B:ILE:HG22	1:700:B:ALA:HB2	15	0.17
(2,354)	1:697:B:ILE:HG22	1:700:B:ALA:HB3	15	0.17
(2,354)	1:697:B:ILE:HG23	1:700:B:ALA:HB1	15	0.17
(2,354)	1:697:B:ILE:HG23	1:700:B:ALA:HB2	15	0.17
(2,354)	1:697:B:ILE:HG23	1:700:B:ALA:HB3	15	0.17
(2,338)	1:693:B:ILE:HG21	1:693:B:ILE:H	6	0.17
(2,338)	1:693:B:ILE:HG22	1:693:B:ILE:H	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,338)	1:693:B:ILE:HG23	1:693:B:ILE:H	6	0.17
(2,336)	1:693:B:ILE:HD11	1:697:B:ILE:H	6	0.17
(2,336)	1:693:B:ILE:HD12	1:697:B:ILE:H	6	0.17
(2,336)	1:693:B:ILE:HD13	1:697:B:ILE:H	6	0.17
(2,333)	1:692:B:LEU:HD13	1:696:B:ARG:HH11	14	0.17
(2,332)	1:692:B:LEU:HD11	1:691:B:SER:HB2	11	0.17
(2,332)	1:692:B:LEU:HD11	1:691:B:SER:HB3	11	0.17
(2,332)	1:692:B:LEU:HD12	1:691:B:SER:HB2	11	0.17
(2,332)	1:692:B:LEU:HD12	1:691:B:SER:HB3	11	0.17
(2,332)	1:692:B:LEU:HD13	1:691:B:SER:HB2	11	0.17
(2,332)	1:692:B:LEU:HD13	1:691:B:SER:HB3	11	0.17
(2,288)	1:679:B:LEU:HD11	1:678:B:TRP:HH2	2	0.17
(2,288)	1:679:B:LEU:HD12	1:678:B:TRP:HH2	2	0.17
(2,288)	1:679:B:LEU:HD13	1:678:B:TRP:HH2	2	0.17
(2,288)	1:679:B:LEU:HD21	1:678:B:TRP:HH2	2	0.17
(2,288)	1:679:B:LEU:HD22	1:678:B:TRP:HH2	2	0.17
(2,288)	1:679:B:LEU:HD23	1:678:B:TRP:HH2	2	0.17
(2,277)	1:676:B:THR:HG21	1:669:B:LEU:HA	9	0.17
(2,277)	1:676:B:THR:HG22	1:669:B:LEU:HA	9	0.17
(2,277)	1:676:B:THR:HG23	1:669:B:LEU:HA	9	0.17
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD11	12	0.17
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD12	12	0.17
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD13	12	0.17
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD21	12	0.17
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD22	12	0.17
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD23	12	0.17
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD11	12	0.17
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD12	12	0.17
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD13	12	0.17
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD21	12	0.17
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD22	12	0.17
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD23	12	0.17
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD11	12	0.17
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD12	12	0.17
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD13	12	0.17
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD21	12	0.17
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD22	12	0.17
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD23	12	0.17
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	3	0.17
(2,225)	1:664:B:ASP:H	1:663:B:LEU:H	14	0.17
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	10	0.17
(2,224)	1:664:B:ASP:H	1:663:B:LEU:HA	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,219)	1:663:B:LEU:H	1:664:B:ASP:H	14	0.17
(2,214)	1:661:B:LEU:HD11	1:662:B:GLU:HG2	8	0.17
(2,214)	1:661:B:LEU:HD11	1:662:B:GLU:HG3	8	0.17
(2,214)	1:661:B:LEU:HD12	1:662:B:GLU:HG2	8	0.17
(2,214)	1:661:B:LEU:HD12	1:662:B:GLU:HG3	8	0.17
(2,214)	1:661:B:LEU:HD13	1:662:B:GLU:HG2	8	0.17
(2,214)	1:661:B:LEU:HD13	1:662:B:GLU:HG3	8	0.17
(2,214)	1:661:B:LEU:HD21	1:662:B:GLU:HG2	8	0.17
(2,214)	1:661:B:LEU:HD21	1:662:B:GLU:HG3	8	0.17
(2,214)	1:661:B:LEU:HD22	1:662:B:GLU:HG2	8	0.17
(2,214)	1:661:B:LEU:HD22	1:662:B:GLU:HG3	8	0.17
(2,214)	1:661:B:LEU:HD23	1:662:B:GLU:HG2	8	0.17
(2,214)	1:661:B:LEU:HD23	1:662:B:GLU:HG3	8	0.17
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	1	0.17
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	1	0.17
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	1	0.17
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	2	0.17
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	2	0.17
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	2	0.17
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	10	0.17
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	10	0.17
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	10	0.17
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	1	0.17
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	1	0.17
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	1	0.17
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	2	0.17
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	2	0.17
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	2	0.17
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	10	0.17
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	10	0.17
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	10	0.17
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD11	2	0.17
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD12	2	0.17
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD13	2	0.17
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	13	0.17
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	13	0.17
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD11	6	0.17
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD12	6	0.17
(2,189)	1:816:A:ASN:H	1:830:A:ILE:HD13	6	0.17
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD11	6	0.17
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD12	6	0.17
(2,188)	1:816:A:ASN:H	1:830:A:ILE:HD13	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	12	0.17
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	12	0.17
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD2	14	0.17
(2,184)	1:808:B:LYS:H	1:838:B:ARG:HD3	14	0.17
(2,177)	1:803:A:TRP:HE1	1:764:B:SER:HG	14	0.17
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	5	0.17
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	5	0.17
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	14	0.17
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	14	0.17
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	14	0.17
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	14	0.17
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	7	0.17
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	7	0.17
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	7	0.17
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	7	0.17
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	7	0.17
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	7	0.17
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	14	0.17
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	14	0.17
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	14	0.17
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	14	0.17
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	14	0.17
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	14	0.17
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD1	10	0.17
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD2	10	0.17
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD1	10	0.17
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD2	10	0.17
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD1	10	0.17
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD2	10	0.17
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD1	11	0.17
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD2	11	0.17
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD1	11	0.17
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD2	11	0.17
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD1	11	0.17
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD2	11	0.17
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD11	10	0.17
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD12	10	0.17
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD13	10	0.17
(1,247)	1:837:B:SER:O	1:841:B:ARG:H	4	0.17
(1,192)	1:799:B:LEU:O	1:803:B:TRP:N	15	0.17
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	6	0.17
(1,182)	1:794:B:LYS:O	1:798:B:ASN:N	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:837:B:SER:O	1:841:B:ARG:H	4	0.17
(1,106)	1:799:B:LEU:O	1:803:B:TRP:N	15	0.17
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	6	0.17
(1,96)	1:794:B:LYS:O	1:798:B:ASN:N	10	0.17
(1,75)	1:837:B:SER:O	1:841:B:ARG:H	4	0.17
(1,20)	1:799:B:LEU:O	1:803:B:TRP:N	15	0.17
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	6	0.17
(1,10)	1:794:B:LYS:O	1:798:B:ASN:N	10	0.17
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG11	4	0.16
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG12	4	0.16
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG13	4	0.16
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG21	4	0.16
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG22	4	0.16
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG23	4	0.16
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	14	0.16
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	14	0.16
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	14	0.16
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	14	0.16
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	14	0.16
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	14	0.16
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	3	0.16
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	9	0.16
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	9	0.16
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	9	0.16
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	9	0.16
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	9	0.16
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	9	0.16
(2,1458)	1:786:A:GLY:H	1:782:A:VAL:HA	9	0.16
(2,1451)	1:785:A:LEU:H	1:782:A:VAL:HA	4	0.16
(2,1443)	1:784:A:LEU:H	1:781:A:ILE:HA	5	0.16
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD2	12	0.16
(2,1438)	1:783:A:GLU:H	1:780:A:ARG:HD3	12	0.16
(2,1437)	1:783:A:GLU:H	1:780:A:ARG:HA	11	0.16
(2,1436)	1:782:A:VAL:HG21	1:779:A:THR:HA	15	0.16
(2,1436)	1:782:A:VAL:HG22	1:779:A:THR:HA	15	0.16
(2,1436)	1:782:A:VAL:HG23	1:779:A:THR:HA	15	0.16
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	9	0.16
(2,1365)	1:760:A:LEU:HD11	1:757:A:TRP:HA	3	0.16
(2,1365)	1:760:A:LEU:HD12	1:757:A:TRP:HA	3	0.16
(2,1365)	1:760:A:LEU:HD13	1:757:A:TRP:HA	3	0.16
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	12	0.16
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	12	0.16
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	12	0.16
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	12	0.16
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	12	0.16
(2,1329)	1:748:A:LEU:H	1:745:A:SER:HA	14	0.16
(2,1323)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	13	0.16
(2,1323)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	13	0.16
(2,1323)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	13	0.16
(2,1314)	1:746:A:ILE:H	1:743:A:ASP:HA	8	0.16
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	8	0.16
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	7	0.16
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	7	0.16
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	7	0.16
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	7	0.16
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	7	0.16
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	7	0.16
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	4	0.16
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	4	0.16
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	4	0.16
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	4	0.16
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	4	0.16
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	4	0.16
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	12	0.16
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	12	0.16
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	12	0.16
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	12	0.16
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	12	0.16
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	12	0.16
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	13	0.16
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	13	0.16
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	13	0.16
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	13	0.16
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	13	0.16
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	13	0.16
(2,1227)	1:702:A:LEU:HD11	1:699:A:PHE:HD1	15	0.16
(2,1227)	1:702:A:LEU:HD11	1:699:A:PHE:HD2	15	0.16
(2,1227)	1:702:A:LEU:HD12	1:699:A:PHE:HD1	15	0.16
(2,1227)	1:702:A:LEU:HD12	1:699:A:PHE:HD2	15	0.16
(2,1227)	1:702:A:LEU:HD13	1:699:A:PHE:HD1	15	0.16
(2,1227)	1:702:A:LEU:HD13	1:699:A:PHE:HD2	15	0.16
(2,1217)	1:700:A:ALA:HB1	1:697:A:ILE:HA	11	0.16
(2,1217)	1:700:A:ALA:HB2	1:697:A:ILE:HA	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1217)	1:700:A:ALA:HB3	1:697:A:ILE:HA	11	0.16
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	7	0.16
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	7	0.16
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	7	0.16
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	7	0.16
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	7	0.16
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	7	0.16
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	11	0.16
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	11	0.16
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	11	0.16
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	7	0.16
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	7	0.16
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	7	0.16
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	7	0.16
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	7	0.16
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	7	0.16
(2,1185)	1:693:A:ILE:HD11	1:694:A:GLY:HA2	3	0.16
(2,1185)	1:693:A:ILE:HD11	1:694:A:GLY:HA3	3	0.16
(2,1185)	1:693:A:ILE:HD12	1:694:A:GLY:HA2	3	0.16
(2,1185)	1:693:A:ILE:HD12	1:694:A:GLY:HA3	3	0.16
(2,1185)	1:693:A:ILE:HD13	1:694:A:GLY:HA2	3	0.16
(2,1185)	1:693:A:ILE:HD13	1:694:A:GLY:HA3	3	0.16
(2,1181)	1:692:A:LEU:HD11	1:689:A:VAL:HG21	6	0.16
(2,1181)	1:692:A:LEU:HD11	1:689:A:VAL:HG22	6	0.16
(2,1181)	1:692:A:LEU:HD11	1:689:A:VAL:HG23	6	0.16
(2,1181)	1:692:A:LEU:HD12	1:689:A:VAL:HG21	6	0.16
(2,1181)	1:692:A:LEU:HD12	1:689:A:VAL:HG22	6	0.16
(2,1181)	1:692:A:LEU:HD12	1:689:A:VAL:HG23	6	0.16
(2,1181)	1:692:A:LEU:HD13	1:689:A:VAL:HG21	6	0.16
(2,1181)	1:692:A:LEU:HD13	1:689:A:VAL:HG22	6	0.16
(2,1181)	1:692:A:LEU:HD13	1:689:A:VAL:HG23	6	0.16
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	10	0.16
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	10	0.16
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	10	0.16
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	10	0.16
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	10	0.16
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	10	0.16
(2,1168)	1:686:A:ILE:HD11	1:685:A:PHE:H	6	0.16
(2,1168)	1:686:A:ILE:HD12	1:685:A:PHE:H	6	0.16
(2,1168)	1:686:A:ILE:HD13	1:685:A:PHE:H	6	0.16
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	6	0.16
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	6	0.16
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	6	0.16
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	6	0.16
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	6	0.16
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	13	0.16
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	13	0.16
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	13	0.16
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	13	0.16
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	13	0.16
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	13	0.16
(2,1146)	1:682:A:ILE:HD11	1:681:A:TYR:H	3	0.16
(2,1146)	1:682:A:ILE:HD12	1:681:A:TYR:H	3	0.16
(2,1146)	1:682:A:ILE:HD13	1:681:A:TYR:H	3	0.16
(2,1143)	1:682:A:ILE:HG21	1:679:A:LEU:H	7	0.16
(2,1143)	1:682:A:ILE:HG22	1:679:A:LEU:H	7	0.16
(2,1143)	1:682:A:ILE:HG23	1:679:A:LEU:H	7	0.16
(2,1122)	1:674:A:ASP:H	1:677:A:ASN:H	14	0.16
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	15	0.16
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	15	0.16
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	15	0.16
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	15	0.16
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	15	0.16
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	15	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD11	2	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD12	2	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD13	2	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD21	2	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD22	2	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD23	2	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD11	2	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD12	2	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD13	2	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD21	2	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD22	2	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD23	2	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD11	2	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD12	2	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD13	2	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD21	2	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD22	2	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD23	2	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD11	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD12	8	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD13	8	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD21	8	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD22	8	0.16
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD23	8	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD11	8	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD12	8	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD13	8	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD21	8	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD22	8	0.16
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD23	8	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD11	8	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD12	8	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD13	8	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD21	8	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD22	8	0.16
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD23	8	0.16
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	14	0.16
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	8	0.16
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG11	4	0.16
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG12	4	0.16
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG13	4	0.16
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG21	4	0.16
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG22	4	0.16
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG23	4	0.16
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	14	0.16
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	14	0.16
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	14	0.16
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	14	0.16
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	14	0.16
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	14	0.16
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	3	0.16
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	9	0.16
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	9	0.16
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	9	0.16
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	9	0.16
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	9	0.16
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	9	0.16
(2,1033)	1:786:A:GLY:H	1:782:A:VAL:HA	9	0.16
(2,1026)	1:785:A:LEU:H	1:782:A:VAL:HA	4	0.16
(2,1018)	1:784:A:LEU:H	1:781:A:ILE:HA	5	0.16
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1013)	1:783:A:GLU:H	1:780:A:ARG:HD3	12	0.16
(2,1012)	1:783:A:GLU:H	1:780:A:ARG:HA	11	0.16
(2,1011)	1:782:A:VAL:HG21	1:779:A:THR:HA	15	0.16
(2,1011)	1:782:A:VAL:HG22	1:779:A:THR:HA	15	0.16
(2,1011)	1:782:A:VAL:HG23	1:779:A:THR:HA	15	0.16
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	9	0.16
(2,940)	1:760:A:LEU:HD11	1:757:A:TRP:HA	3	0.16
(2,940)	1:760:A:LEU:HD12	1:757:A:TRP:HA	3	0.16
(2,940)	1:760:A:LEU:HD13	1:757:A:TRP:HA	3	0.16
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	12	0.16
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	12	0.16
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	12	0.16
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	12	0.16
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	12	0.16
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	12	0.16
(2,904)	1:748:A:LEU:H	1:745:A:SER:HA	14	0.16
(2,898)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	13	0.16
(2,898)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	13	0.16
(2,898)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	13	0.16
(2,889)	1:746:A:ILE:H	1:743:A:ASP:HA	8	0.16
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	8	0.16
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	7	0.16
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	7	0.16
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	7	0.16
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	7	0.16
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	7	0.16
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	7	0.16
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	4	0.16
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	4	0.16
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	4	0.16
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	4	0.16
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	4	0.16
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	4	0.16
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	12	0.16
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	12	0.16
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	12	0.16
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	12	0.16
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	12	0.16
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	12	0.16
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	13	0.16
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	13	0.16
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	13	0.16
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	13	0.16
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	13	0.16
(2,802)	1:702:A:LEU:HD11	1:699:A:PHE:HD1	15	0.16
(2,802)	1:702:A:LEU:HD11	1:699:A:PHE:HD2	15	0.16
(2,802)	1:702:A:LEU:HD12	1:699:A:PHE:HD1	15	0.16
(2,802)	1:702:A:LEU:HD12	1:699:A:PHE:HD2	15	0.16
(2,802)	1:702:A:LEU:HD13	1:699:A:PHE:HD1	15	0.16
(2,802)	1:702:A:LEU:HD13	1:699:A:PHE:HD2	15	0.16
(2,792)	1:700:A:ALA:HB1	1:697:A:ILE:HA	11	0.16
(2,792)	1:700:A:ALA:HB2	1:697:A:ILE:HA	11	0.16
(2,792)	1:700:A:ALA:HB3	1:697:A:ILE:HA	11	0.16
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	7	0.16
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	7	0.16
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	7	0.16
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	7	0.16
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	7	0.16
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	7	0.16
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	11	0.16
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	11	0.16
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	11	0.16
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	7	0.16
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	7	0.16
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	7	0.16
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	7	0.16
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	7	0.16
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	7	0.16
(2,760)	1:693:A:ILE:HD11	1:694:A:GLY:HA2	3	0.16
(2,760)	1:693:A:ILE:HD11	1:694:A:GLY:HA3	3	0.16
(2,760)	1:693:A:ILE:HD12	1:694:A:GLY:HA2	3	0.16
(2,760)	1:693:A:ILE:HD12	1:694:A:GLY:HA3	3	0.16
(2,760)	1:693:A:ILE:HD13	1:694:A:GLY:HA2	3	0.16
(2,760)	1:693:A:ILE:HD13	1:694:A:GLY:HA3	3	0.16
(2,756)	1:692:A:LEU:HD11	1:689:A:VAL:HG21	6	0.16
(2,756)	1:692:A:LEU:HD11	1:689:A:VAL:HG22	6	0.16
(2,756)	1:692:A:LEU:HD11	1:689:A:VAL:HG23	6	0.16
(2,756)	1:692:A:LEU:HD12	1:689:A:VAL:HG21	6	0.16
(2,756)	1:692:A:LEU:HD12	1:689:A:VAL:HG22	6	0.16
(2,756)	1:692:A:LEU:HD12	1:689:A:VAL:HG23	6	0.16
(2,756)	1:692:A:LEU:HD13	1:689:A:VAL:HG21	6	0.16
(2,756)	1:692:A:LEU:HD13	1:689:A:VAL:HG22	6	0.16
(2,756)	1:692:A:LEU:HD13	1:689:A:VAL:HG23	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	10	0.16
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	10	0.16
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	10	0.16
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	10	0.16
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	10	0.16
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	10	0.16
(2,743)	1:686:A:ILE:HD11	1:685:A:PHE:H	6	0.16
(2,743)	1:686:A:ILE:HD12	1:685:A:PHE:H	6	0.16
(2,743)	1:686:A:ILE:HD13	1:685:A:PHE:H	6	0.16
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	6	0.16
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	6	0.16
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	6	0.16
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	6	0.16
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	6	0.16
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	6	0.16
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	13	0.16
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	13	0.16
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	13	0.16
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	13	0.16
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	13	0.16
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	13	0.16
(2,721)	1:682:A:ILE:HD11	1:681:A:TYR:H	3	0.16
(2,721)	1:682:A:ILE:HD12	1:681:A:TYR:H	3	0.16
(2,721)	1:682:A:ILE:HD13	1:681:A:TYR:H	3	0.16
(2,718)	1:682:A:ILE:HG21	1:679:A:LEU:H	7	0.16
(2,718)	1:682:A:ILE:HG22	1:679:A:LEU:H	7	0.16
(2,718)	1:682:A:ILE:HG23	1:679:A:LEU:H	7	0.16
(2,697)	1:674:A:ASP:H	1:677:A:ASN:H	14	0.16
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	15	0.16
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	15	0.16
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	15	0.16
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	15	0.16
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	15	0.16
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	15	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD11	2	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD12	2	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD13	2	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD21	2	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD22	2	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD23	2	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD11	2	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD12	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD13	2	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD21	2	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD22	2	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD23	2	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD11	2	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD12	2	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD13	2	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD21	2	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD22	2	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD23	2	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD11	8	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD12	8	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD13	8	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD21	8	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD22	8	0.16
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD23	8	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD11	8	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD12	8	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD13	8	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD21	8	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD22	8	0.16
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD23	8	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD11	8	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD12	8	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD13	8	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD21	8	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD22	8	0.16
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD23	8	0.16
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	14	0.16
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	8	0.16
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	6	0.16
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	6	0.16
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	15	0.16
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	15	0.16
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	15	0.16
(2,601)	1:785:B:LEU:H	1:782:B:VAL:HA	3	0.16
(2,599)	1:784:B:LEU:HD11	1:787:B:ARG:HD2	3	0.16
(2,599)	1:784:B:LEU:HD11	1:787:B:ARG:HD3	3	0.16
(2,599)	1:784:B:LEU:HD12	1:787:B:ARG:HD2	3	0.16
(2,599)	1:784:B:LEU:HD12	1:787:B:ARG:HD3	3	0.16
(2,599)	1:784:B:LEU:HD13	1:787:B:ARG:HD2	3	0.16
(2,599)	1:784:B:LEU:HD13	1:787:B:ARG:HD3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,575)	1:781:B:ILE:H	1:778:B:VAL:HA	12	0.16
(2,546)	1:776:B:LEU:H	1:773:B:ASP:HA	3	0.16
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	11	0.16
(2,515)	1:760:B:LEU:HD11	1:757:B:TRP:HA	2	0.16
(2,515)	1:760:B:LEU:HD12	1:757:B:TRP:HA	2	0.16
(2,515)	1:760:B:LEU:HD13	1:757:B:TRP:HA	2	0.16
(2,515)	1:760:B:LEU:HD11	1:757:B:TRP:HA	11	0.16
(2,515)	1:760:B:LEU:HD12	1:757:B:TRP:HA	11	0.16
(2,515)	1:760:B:LEU:HD13	1:757:B:TRP:HA	11	0.16
(2,502)	1:755:B:LEU:H	1:752:B:SER:HA	10	0.16
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	5	0.16
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	5	0.16
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	5	0.16
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	5	0.16
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	5	0.16
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	5	0.16
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	14	0.16
(2,479)	1:748:B:LEU:H	1:745:B:SER:HA	13	0.16
(2,473)	1:746:B:ILE:HG21	1:750:B:ASN:HD22	8	0.16
(2,473)	1:746:B:ILE:HG22	1:750:B:ASN:HD22	8	0.16
(2,473)	1:746:B:ILE:HG23	1:750:B:ASN:HD22	8	0.16
(2,473)	1:746:B:ILE:HG21	1:750:B:ASN:HD22	10	0.16
(2,473)	1:746:B:ILE:HG22	1:750:B:ASN:HD22	10	0.16
(2,473)	1:746:B:ILE:HG23	1:750:B:ASN:HD22	10	0.16
(2,470)	1:746:B:ILE:HD11	1:743:B:ASP:HA	15	0.16
(2,470)	1:746:B:ILE:HD12	1:743:B:ASP:HA	15	0.16
(2,470)	1:746:B:ILE:HD13	1:743:B:ASP:HA	15	0.16
(2,428)	1:708:B:VAL:HG11	1:705:B:VAL:HA	9	0.16
(2,428)	1:708:B:VAL:HG12	1:705:B:VAL:HA	9	0.16
(2,428)	1:708:B:VAL:HG13	1:705:B:VAL:HA	9	0.16
(2,414)	1:707:B:ARG:H	1:704:B:LEU:HA	15	0.16
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	12	0.16
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	12	0.16
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD1	3	0.16
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD2	3	0.16
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD1	3	0.16
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD2	3	0.16
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD1	3	0.16
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD2	3	0.16
(2,372)	1:701:B:VAL:HG11	1:698:B:VAL:HA	5	0.16
(2,372)	1:701:B:VAL:HG12	1:698:B:VAL:HA	5	0.16
(2,372)	1:701:B:VAL:HG13	1:698:B:VAL:HA	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	1	0.16
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	12	0.16
(2,363)	1:700:B:ALA:H	1:699:B:PHE:HA	14	0.16
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	13	0.16
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	13	0.16
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	13	0.16
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	13	0.16
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	13	0.16
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	13	0.16
(2,326)	1:689:B:VAL:HG21	1:685:B:PHE:HD1	14	0.16
(2,326)	1:689:B:VAL:HG21	1:685:B:PHE:HD2	14	0.16
(2,326)	1:689:B:VAL:HG22	1:685:B:PHE:HD1	14	0.16
(2,326)	1:689:B:VAL:HG22	1:685:B:PHE:HD2	14	0.16
(2,326)	1:689:B:VAL:HG23	1:685:B:PHE:HD1	14	0.16
(2,326)	1:689:B:VAL:HG23	1:685:B:PHE:HD2	14	0.16
(2,296)	1:682:B:ILE:HD11	1:681:B:TYR:H	2	0.16
(2,296)	1:682:B:ILE:HD12	1:681:B:TYR:H	2	0.16
(2,296)	1:682:B:ILE:HD13	1:681:B:TYR:H	2	0.16
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD11	3	0.16
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD12	3	0.16
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD13	3	0.16
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	9	0.16
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	9	0.16
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	9	0.16
(2,280)	1:676:B:THR:HG21	1:681:B:TYR:HH	6	0.16
(2,280)	1:676:B:THR:HG22	1:681:B:TYR:HH	6	0.16
(2,280)	1:676:B:THR:HG23	1:681:B:TYR:HH	6	0.16
(2,273)	1:675:B:ILE:H	1:674:B:ASP:H	15	0.16
(2,271)	1:673:B:PHE:H	1:672:B:TRP:H	6	0.16
(2,259)	1:670:B:TRP:H	1:667:B:ALA:HA	3	0.16
(2,253)	1:669:B:LEU:H	1:666:B:TRP:HA	13	0.16
(2,253)	1:669:B:LEU:H	1:666:B:TRP:HA	15	0.16
(2,229)	1:665:B:LYS:H	1:664:B:ASP:HA	15	0.16
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG12	15	0.16
(2,195)	1:817:A:ALA:H	1:830:A:ILE:HG13	15	0.16
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG12	15	0.16
(2,194)	1:817:A:ALA:H	1:830:A:ILE:HG13	15	0.16
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD11	5	0.16
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD12	5	0.16
(2,187)	1:816:B:ASN:H	1:830:B:ILE:HD13	5	0.16
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	9	0.16
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	14	0.16
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	14	0.16
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	9	0.16
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	9	0.16
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	9	0.16
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	9	0.16
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	9	0.16
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	9	0.16
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	13	0.16
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	13	0.16
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	13	0.16
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	13	0.16
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	13	0.16
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	13	0.16
(2,114)	1:781:A:ILE:HD11	1:743:B:ASP:HA	5	0.16
(2,114)	1:781:A:ILE:HD12	1:743:B:ASP:HA	5	0.16
(2,114)	1:781:A:ILE:HD13	1:743:B:ASP:HA	5	0.16
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	1	0.16
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	1	0.16
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	1	0.16
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	1	0.16
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	1	0.16
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	1	0.16
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD2	8	0.16
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD3	8	0.16
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB2	10	0.16
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB3	10	0.16
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD2	3	0.16
(2,78)	1:708:A:VAL:HG21	1:714:B:PRO:HD3	3	0.16
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD2	3	0.16
(2,78)	1:708:A:VAL:HG22	1:714:B:PRO:HD3	3	0.16
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD2	3	0.16
(2,78)	1:708:A:VAL:HG23	1:714:B:PRO:HD3	3	0.16
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	1	0.16
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	1	0.16
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	1	0.16
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	1	0.16
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	1	0.16
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	1	0.16
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD1	1	0.16
(2,59)	1:700:A:ALA:HB1	1:699:A:PHE:HD2	1	0.16
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD1	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,59)	1:700:A:ALA:HB2	1:699:A:PHE:HD2	1	0.16
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD1	1	0.16
(2,59)	1:700:A:ALA:HB3	1:699:A:PHE:HD2	1	0.16
(2,55)	1:696:B:ARG:HE	1:694:A:GLY:HA2	15	0.16
(2,55)	1:696:B:ARG:HE	1:694:A:GLY:HA3	15	0.16
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	3	0.16
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	3	0.16
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	3	0.16
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG21	9	0.16
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG22	9	0.16
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG23	9	0.16
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG21	9	0.16
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG22	9	0.16
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG23	9	0.16
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG21	9	0.16
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG22	9	0.16
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG23	9	0.16
(2,13)	1:666:B:TRP:HE1	1:666:A:TRP:HD1	14	0.16
(2,12)	1:666:A:TRP:HE1	1:666:B:TRP:HZ2	4	0.16
(1,233)	1:830:B:ILE:O	1:834:B:GLN:H	14	0.16
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	12	0.16
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	7	0.16
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	4	0.16
(1,175)	1:791:B:GLU:O	1:795:B:TYR:H	1	0.16
(1,175)	1:791:B:GLU:O	1:795:B:TYR:H	7	0.16
(1,175)	1:791:B:GLU:O	1:795:B:TYR:H	10	0.16
(1,147)	1:830:B:ILE:O	1:834:B:GLN:H	14	0.16
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	12	0.16
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	7	0.16
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	4	0.16
(1,89)	1:791:B:GLU:O	1:795:B:TYR:H	1	0.16
(1,89)	1:791:B:GLU:O	1:795:B:TYR:H	7	0.16
(1,89)	1:791:B:GLU:O	1:795:B:TYR:H	10	0.16
(1,61)	1:830:B:ILE:O	1:834:B:GLN:H	14	0.16
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	12	0.16
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	7	0.16
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	4	0.16
(1,3)	1:791:B:GLU:O	1:795:B:TYR:H	1	0.16
(1,3)	1:791:B:GLU:O	1:795:B:TYR:H	7	0.16
(1,3)	1:791:B:GLU:O	1:795:B:TYR:H	10	0.16
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE21	6	0.15
(2,1480)	1:835:A:GLY:H	1:834:A:GLN:HE22	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB2	5	0.15
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB3	5	0.15
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB2	7	0.15
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB3	7	0.15
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	4	0.15
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	4	0.15
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	4	0.15
(2,1458)	1:786:A:GLY:H	1:782:A:VAL:HA	8	0.15
(2,1457)	1:785:A:LEU:HD21	1:782:A:VAL:HA	12	0.15
(2,1457)	1:785:A:LEU:HD22	1:782:A:VAL:HA	12	0.15
(2,1457)	1:785:A:LEU:HD23	1:782:A:VAL:HA	12	0.15
(2,1425)	1:781:A:ILE:H	1:778:A:VAL:HA	6	0.15
(2,1425)	1:781:A:ILE:H	1:778:A:VAL:HA	10	0.15
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	3	0.15
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	3	0.15
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	3	0.15
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	3	0.15
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	3	0.15
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	3	0.15
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB2	1	0.15
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB3	1	0.15
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB2	10	0.15
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB3	10	0.15
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	12	0.15
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	12	0.15
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	12	0.15
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	12	0.15
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	12	0.15
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	12	0.15
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	14	0.15
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	14	0.15
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	14	0.15
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	14	0.15
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	14	0.15
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	14	0.15
(2,1288)	1:709:A:ARG:HE	1:709:A:ARG:H	13	0.15
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	5	0.15
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	5	0.15
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	5	0.15
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	5	0.15
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	5	0.15
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	6	0.15
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	11	0.15
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	11	0.15
(2,1235)	1:704:A:LEU:H	1:701:A:VAL:HA	14	0.15
(2,1227)	1:702:A:LEU:HD11	1:699:A:PHE:HD1	9	0.15
(2,1227)	1:702:A:LEU:HD11	1:699:A:PHE:HD2	9	0.15
(2,1227)	1:702:A:LEU:HD12	1:699:A:PHE:HD1	9	0.15
(2,1227)	1:702:A:LEU:HD12	1:699:A:PHE:HD2	9	0.15
(2,1227)	1:702:A:LEU:HD13	1:699:A:PHE:HD1	9	0.15
(2,1227)	1:702:A:LEU:HD13	1:699:A:PHE:HD2	9	0.15
(2,1224)	1:702:A:LEU:H	1:699:A:PHE:HA	14	0.15
(2,1218)	1:700:A:ALA:HB1	1:703:A:SER:HB2	11	0.15
(2,1218)	1:700:A:ALA:HB1	1:703:A:SER:HB3	11	0.15
(2,1218)	1:700:A:ALA:HB2	1:703:A:SER:HB2	11	0.15
(2,1218)	1:700:A:ALA:HB2	1:703:A:SER:HB3	11	0.15
(2,1218)	1:700:A:ALA:HB3	1:703:A:SER:HB2	11	0.15
(2,1218)	1:700:A:ALA:HB3	1:703:A:SER:HB3	11	0.15
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	3	0.15
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	3	0.15
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	3	0.15
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	3	0.15
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	3	0.15
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	3	0.15
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	3	0.15
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	3	0.15
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	3	0.15
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	14	0.15
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	14	0.15
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	14	0.15
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	14	0.15
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	14	0.15
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	14	0.15
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	14	0.15
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	14	0.15
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	14	0.15
(2,1198)	1:695:A:LEU:HD21	1:696:A:ARG:HH11	10	0.15
(2,1198)	1:695:A:LEU:HD21	1:696:A:ARG:HH12	10	0.15
(2,1198)	1:695:A:LEU:HD22	1:696:A:ARG:HH11	10	0.15
(2,1198)	1:695:A:LEU:HD22	1:696:A:ARG:HH12	10	0.15
(2,1198)	1:695:A:LEU:HD23	1:696:A:ARG:HH11	10	0.15
(2,1198)	1:695:A:LEU:HD23	1:696:A:ARG:HH12	10	0.15
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	6	0.15
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	6	0.15
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	6	0.15
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	6	0.15
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	6	0.15
(2,1138)	1:679:A:LEU:HD11	1:678:A:TRP:HH2	6	0.15
(2,1138)	1:679:A:LEU:HD12	1:678:A:TRP:HH2	6	0.15
(2,1138)	1:679:A:LEU:HD13	1:678:A:TRP:HH2	6	0.15
(2,1138)	1:679:A:LEU:HD21	1:678:A:TRP:HH2	6	0.15
(2,1138)	1:679:A:LEU:HD22	1:678:A:TRP:HH2	6	0.15
(2,1138)	1:679:A:LEU:HD23	1:678:A:TRP:HH2	6	0.15
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	6	0.15
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	6	0.15
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	6	0.15
(2,1126)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	10	0.15
(2,1126)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	10	0.15
(2,1126)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	10	0.15
(2,1109)	1:670:A:TRP:H	1:667:A:ALA:HA	11	0.15
(2,1108)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	6	0.15
(2,1108)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	6	0.15
(2,1108)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	6	0.15
(2,1108)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	6	0.15
(2,1108)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	6	0.15
(2,1108)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	6	0.15
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	4	0.15
(2,1084)	1:666:A:TRP:H	1:663:A:LEU:HA	9	0.15
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	11	0.15
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE21	6	0.15
(2,1055)	1:835:A:GLY:H	1:834:A:GLN:HE22	6	0.15
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB2	5	0.15
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB3	5	0.15
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB2	7	0.15
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB3	7	0.15
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	4	0.15
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	4	0.15
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	4	0.15
(2,1033)	1:786:A:GLY:H	1:782:A:VAL:HA	8	0.15
(2,1032)	1:785:A:LEU:HD21	1:782:A:VAL:HA	12	0.15
(2,1032)	1:785:A:LEU:HD22	1:782:A:VAL:HA	12	0.15
(2,1032)	1:785:A:LEU:HD23	1:782:A:VAL:HA	12	0.15
(2,1000)	1:781:A:ILE:H	1:778:A:VAL:HA	6	0.15
(2,1000)	1:781:A:ILE:H	1:778:A:VAL:HA	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	3	0.15
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	3	0.15
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	3	0.15
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	3	0.15
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	3	0.15
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	3	0.15
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB2	1	0.15
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB3	1	0.15
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB2	10	0.15
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB3	10	0.15
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	12	0.15
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	12	0.15
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	12	0.15
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	12	0.15
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	12	0.15
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	12	0.15
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	14	0.15
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	14	0.15
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	14	0.15
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	14	0.15
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	14	0.15
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	14	0.15
(2,863)	1:709:A:ARG:HE	1:709:A:ARG:H	13	0.15
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	5	0.15
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	5	0.15
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	5	0.15
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	5	0.15
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	5	0.15
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	5	0.15
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	6	0.15
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	11	0.15
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	11	0.15
(2,810)	1:704:A:LEU:H	1:701:A:VAL:HA	14	0.15
(2,802)	1:702:A:LEU:HD11	1:699:A:PHE:HD1	9	0.15
(2,802)	1:702:A:LEU:HD11	1:699:A:PHE:HD2	9	0.15
(2,802)	1:702:A:LEU:HD12	1:699:A:PHE:HD1	9	0.15
(2,802)	1:702:A:LEU:HD12	1:699:A:PHE:HD2	9	0.15
(2,802)	1:702:A:LEU:HD13	1:699:A:PHE:HD1	9	0.15
(2,802)	1:702:A:LEU:HD13	1:699:A:PHE:HD2	9	0.15
(2,799)	1:702:A:LEU:H	1:699:A:PHE:HA	14	0.15
(2,793)	1:700:A:ALA:HB1	1:703:A:SER:HB2	11	0.15
(2,793)	1:700:A:ALA:HB1	1:703:A:SER:HB3	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,793)	1:700:A:ALA:HB2	1:703:A:SER:HB2	11	0.15
(2,793)	1:700:A:ALA:HB2	1:703:A:SER:HB3	11	0.15
(2,793)	1:700:A:ALA:HB3	1:703:A:SER:HB2	11	0.15
(2,793)	1:700:A:ALA:HB3	1:703:A:SER:HB3	11	0.15
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	3	0.15
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	3	0.15
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	3	0.15
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	3	0.15
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	3	0.15
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	3	0.15
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	3	0.15
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	3	0.15
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	3	0.15
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	14	0.15
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	14	0.15
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	14	0.15
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	14	0.15
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	14	0.15
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	14	0.15
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	14	0.15
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	14	0.15
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	14	0.15
(2,773)	1:695:A:LEU:HD21	1:696:A:ARG:HH11	10	0.15
(2,773)	1:695:A:LEU:HD21	1:696:A:ARG:HH12	10	0.15
(2,773)	1:695:A:LEU:HD22	1:696:A:ARG:HH11	10	0.15
(2,773)	1:695:A:LEU:HD22	1:696:A:ARG:HH12	10	0.15
(2,773)	1:695:A:LEU:HD23	1:696:A:ARG:HH11	10	0.15
(2,773)	1:695:A:LEU:HD23	1:696:A:ARG:HH12	10	0.15
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	6	0.15
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	6	0.15
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	6	0.15
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	6	0.15
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	6	0.15
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	6	0.15
(2,713)	1:679:A:LEU:HD11	1:678:A:TRP:HH2	6	0.15
(2,713)	1:679:A:LEU:HD12	1:678:A:TRP:HH2	6	0.15
(2,713)	1:679:A:LEU:HD13	1:678:A:TRP:HH2	6	0.15
(2,713)	1:679:A:LEU:HD21	1:678:A:TRP:HH2	6	0.15
(2,713)	1:679:A:LEU:HD22	1:678:A:TRP:HH2	6	0.15
(2,713)	1:679:A:LEU:HD23	1:678:A:TRP:HH2	6	0.15
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	6	0.15
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	6	0.15
(2,701)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	10	0.15
(2,701)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	10	0.15
(2,701)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	10	0.15
(2,684)	1:670:A:TRP:H	1:667:A:ALA:HA	11	0.15
(2,683)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	6	0.15
(2,683)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	6	0.15
(2,683)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	6	0.15
(2,683)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	6	0.15
(2,683)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	6	0.15
(2,683)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	6	0.15
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	4	0.15
(2,659)	1:666:A:TRP:H	1:663:A:LEU:HA	9	0.15
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	11	0.15
(2,636)	1:761:B:ARG:HH12	1:758:B:ASP:OD1	10	0.15
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	15	0.15
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	15	0.15
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD11	13	0.15
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD12	13	0.15
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD13	13	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	3	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	3	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	3	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	3	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	3	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	3	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	5	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	5	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	5	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	5	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	5	0.15
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	5	0.15
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD21	12	0.15
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD22	12	0.15
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD23	12	0.15
(2,608)	1:786:B:GLY:H	1:782:B:VAL:HA	3	0.15
(2,608)	1:786:B:GLY:H	1:782:B:VAL:HA	9	0.15
(2,593)	1:784:B:LEU:H	1:781:B:ILE:HA	7	0.15
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	7	0.15
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	7	0.15
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	7	0.15
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD2	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD3	5	0.15
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD2	5	0.15
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD3	5	0.15
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD2	5	0.15
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD3	5	0.15
(2,557)	1:777:B:ILE:HD11	1:774:B:LEU:HA	1	0.15
(2,557)	1:777:B:ILE:HD12	1:774:B:LEU:HA	1	0.15
(2,557)	1:777:B:ILE:HD13	1:774:B:LEU:HA	1	0.15
(2,546)	1:776:B:LEU:H	1:773:B:ASP:HA	8	0.15
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH21	6	0.15
(2,527)	1:771:B:LEU:HD21	1:772:B:ARG:HH22	6	0.15
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH21	6	0.15
(2,527)	1:771:B:LEU:HD22	1:772:B:ARG:HH22	6	0.15
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH21	6	0.15
(2,527)	1:771:B:LEU:HD23	1:772:B:ARG:HH22	6	0.15
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	2	0.15
(2,479)	1:748:B:LEU:H	1:745:B:SER:HA	12	0.15
(2,472)	1:746:B:ILE:HG21	1:750:B:ASN:HD21	12	0.15
(2,472)	1:746:B:ILE:HG22	1:750:B:ASN:HD21	12	0.15
(2,472)	1:746:B:ILE:HG23	1:750:B:ASN:HD21	12	0.15
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG11	6	0.15
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG12	6	0.15
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG13	6	0.15
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG11	11	0.15
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG12	11	0.15
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG13	11	0.15
(2,429)	1:708:B:VAL:HG21	1:707:B:ARG:HD2	9	0.15
(2,429)	1:708:B:VAL:HG21	1:707:B:ARG:HD3	9	0.15
(2,429)	1:708:B:VAL:HG22	1:707:B:ARG:HD2	9	0.15
(2,429)	1:708:B:VAL:HG22	1:707:B:ARG:HD3	9	0.15
(2,429)	1:708:B:VAL:HG23	1:707:B:ARG:HD2	9	0.15
(2,429)	1:708:B:VAL:HG23	1:707:B:ARG:HD3	9	0.15
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	10	0.15
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	10	0.15
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG21	3	0.15
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG22	3	0.15
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG23	3	0.15
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG21	3	0.15
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG22	3	0.15
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG23	3	0.15
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG21	3	0.15
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG22	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG23	3	0.15
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	15	0.15
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	15	0.15
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	15	0.15
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	15	0.15
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	15	0.15
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	15	0.15
(2,378)	1:702:B:LEU:HD11	1:699:B:PHE:HE1	3	0.15
(2,378)	1:702:B:LEU:HD11	1:699:B:PHE:HE2	3	0.15
(2,378)	1:702:B:LEU:HD12	1:699:B:PHE:HE1	3	0.15
(2,378)	1:702:B:LEU:HD12	1:699:B:PHE:HE2	3	0.15
(2,378)	1:702:B:LEU:HD13	1:699:B:PHE:HE1	3	0.15
(2,378)	1:702:B:LEU:HD13	1:699:B:PHE:HE2	3	0.15
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD1	2	0.15
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD2	2	0.15
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD1	2	0.15
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD2	2	0.15
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD1	2	0.15
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD2	2	0.15
(2,372)	1:701:B:VAL:HG11	1:698:B:VAL:HA	4	0.15
(2,372)	1:701:B:VAL:HG12	1:698:B:VAL:HA	4	0.15
(2,372)	1:701:B:VAL:HG13	1:698:B:VAL:HA	4	0.15
(2,367)	1:700:B:ALA:HB1	1:697:B:ILE:HA	6	0.15
(2,367)	1:700:B:ALA:HB2	1:697:B:ILE:HA	6	0.15
(2,367)	1:700:B:ALA:HB3	1:697:B:ILE:HA	6	0.15
(2,367)	1:700:B:ALA:HB1	1:697:B:ILE:HA	7	0.15
(2,367)	1:700:B:ALA:HB2	1:697:B:ILE:HA	7	0.15
(2,367)	1:700:B:ALA:HB3	1:697:B:ILE:HA	7	0.15
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD1	14	0.15
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD2	14	0.15
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD1	14	0.15
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD2	14	0.15
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD1	14	0.15
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD2	14	0.15
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	1	0.15
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	1	0.15
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	1	0.15
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	1	0.15
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	1	0.15
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	1	0.15
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	7	0.15
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	7	0.15
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	7	0.15
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	7	0.15
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	7	0.15
(2,343)	1:695:B:LEU:HD11	1:691:B:SER:HB2	7	0.15
(2,343)	1:695:B:LEU:HD11	1:691:B:SER:HB3	7	0.15
(2,343)	1:695:B:LEU:HD12	1:691:B:SER:HB2	7	0.15
(2,343)	1:695:B:LEU:HD12	1:691:B:SER:HB3	7	0.15
(2,343)	1:695:B:LEU:HD13	1:691:B:SER:HB2	7	0.15
(2,343)	1:695:B:LEU:HD13	1:691:B:SER:HB3	7	0.15
(2,326)	1:689:B:VAL:HG21	1:685:B:PHE:HD1	13	0.15
(2,326)	1:689:B:VAL:HG21	1:685:B:PHE:HD2	13	0.15
(2,326)	1:689:B:VAL:HG22	1:685:B:PHE:HD1	13	0.15
(2,326)	1:689:B:VAL:HG22	1:685:B:PHE:HD2	13	0.15
(2,326)	1:689:B:VAL:HG23	1:685:B:PHE:HD1	13	0.15
(2,326)	1:689:B:VAL:HG23	1:685:B:PHE:HD2	13	0.15
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD11	2	0.15
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD12	2	0.15
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD13	2	0.15
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD11	2	0.15
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD12	2	0.15
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD13	2	0.15
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD11	2	0.15
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD12	2	0.15
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD13	2	0.15
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD11	3	0.15
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD12	3	0.15
(2,323)	1:688:B:ILE:HD11	1:684:B:ILE:HD13	3	0.15
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD11	3	0.15
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD12	3	0.15
(2,323)	1:688:B:ILE:HD12	1:684:B:ILE:HD13	3	0.15
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD11	3	0.15
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD12	3	0.15
(2,323)	1:688:B:ILE:HD13	1:684:B:ILE:HD13	3	0.15
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	12	0.15
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	12	0.15
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	12	0.15
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	12	0.15
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	12	0.15
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	12	0.15
(2,259)	1:670:B:TRP:H	1:667:B:ALA:HA	8	0.15
(2,245)	1:667:B:ALA:H	1:666:B:TRP:HD1	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	7	0.15
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	12	0.15
(2,228)	1:665:B:LYS:H	1:662:B:GLU:HA	14	0.15
(2,180)	1:806:A:GLU:H	1:771:B:LEU:HG	10	0.15
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	14	0.15
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	14	0.15
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	14	0.15
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	14	0.15
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	11	0.15
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	11	0.15
(2,153)	1:792:A:ALA:H	1:752:B:SER:HB2	12	0.15
(2,153)	1:792:A:ALA:H	1:752:B:SER:HB3	12	0.15
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	4	0.15
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	4	0.15
(2,135)	1:756:B:ILE:H	1:796:A:TRP:HE1	1	0.15
(2,123)	1:785:A:LEU:HD21	1:747:B:ARG:HD2	15	0.15
(2,123)	1:785:A:LEU:HD21	1:747:B:ARG:HD3	15	0.15
(2,123)	1:785:A:LEU:HD22	1:747:B:ARG:HD2	15	0.15
(2,123)	1:785:A:LEU:HD22	1:747:B:ARG:HD3	15	0.15
(2,123)	1:785:A:LEU:HD23	1:747:B:ARG:HD2	15	0.15
(2,123)	1:785:A:LEU:HD23	1:747:B:ARG:HD3	15	0.15
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD2	6	0.15
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD3	6	0.15
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD2	9	0.15
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD3	9	0.15
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE21	8	0.15
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE22	8	0.15
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE21	8	0.15
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE22	8	0.15
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE21	8	0.15
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE22	8	0.15
(2,81)	1:708:A:VAL:HG21	1:714:B:PRO:HA	7	0.15
(2,81)	1:708:A:VAL:HG22	1:714:B:PRO:HA	7	0.15
(2,81)	1:708:A:VAL:HG23	1:714:B:PRO:HA	7	0.15
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB1	8	0.15
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB2	8	0.15
(2,64)	1:702:B:LEU:HD21	1:700:A:ALA:HB3	8	0.15
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB1	8	0.15
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB2	8	0.15
(2,64)	1:702:B:LEU:HD22	1:700:A:ALA:HB3	8	0.15
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB1	8	0.15
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB2	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,64)	1:702:B:LEU:HD23	1:700:A:ALA:HB3	8	0.15
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD1	4	0.15
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD2	4	0.15
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD1	4	0.15
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD2	4	0.15
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD1	4	0.15
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD2	4	0.15
(2,55)	1:696:B:ARG:HE	1:694:A:GLY:HA2	14	0.15
(2,55)	1:696:B:ARG:HE	1:694:A:GLY:HA3	14	0.15
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD11	2	0.15
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD12	2	0.15
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD13	2	0.15
(2,19)	1:678:B:TRP:HE1	1:683:A:ARG:HE	13	0.15
(2,13)	1:666:B:TRP:HE1	1:666:A:TRP:HD1	1	0.15
(2,13)	1:666:B:TRP:HE1	1:666:A:TRP:HD1	2	0.15
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	2	0.15
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	2	0.15
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB2	13	0.15
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB3	13	0.15
(1,247)	1:837:B:SER:O	1:841:B:ARG:H	13	0.15
(1,245)	1:836:B:ALA:O	1:840:B:ILE:H	5	0.15
(1,243)	1:835:B:GLY:O	1:839:B:ALA:H	4	0.15
(1,233)	1:830:B:ILE:O	1:834:B:GLN:H	8	0.15
(1,225)	1:826:B:THR:O	1:830:B:ILE:H	1	0.15
(1,219)	1:813:B:SER:O	1:817:B:ALA:H	11	0.15
(1,199)	1:803:B:TRP:O	1:807:B:LEU:H	15	0.15
(1,192)	1:799:B:LEU:O	1:803:B:TRP:N	1	0.15
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	1	0.15
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	11	0.15
(1,177)	1:792:B:ALA:O	1:796:B:TRP:H	5	0.15
(1,176)	1:791:B:GLU:O	1:795:B:TYR:N	1	0.15
(1,161)	1:837:B:SER:O	1:841:B:ARG:H	13	0.15
(1,159)	1:836:B:ALA:O	1:840:B:ILE:H	5	0.15
(1,157)	1:835:B:GLY:O	1:839:B:ALA:H	4	0.15
(1,147)	1:830:B:ILE:O	1:834:B:GLN:H	8	0.15
(1,139)	1:826:B:THR:O	1:830:B:ILE:H	1	0.15
(1,133)	1:813:B:SER:O	1:817:B:ALA:H	11	0.15
(1,113)	1:803:B:TRP:O	1:807:B:LEU:H	15	0.15
(1,106)	1:799:B:LEU:O	1:803:B:TRP:N	1	0.15
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	1	0.15
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	11	0.15
(1,91)	1:792:B:ALA:O	1:796:B:TRP:H	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,90)	1:791:B:GLU:O	1:795:B:TYR:N	1	0.15
(1,75)	1:837:B:SER:O	1:841:B:ARG:H	13	0.15
(1,73)	1:836:B:ALA:O	1:840:B:ILE:H	5	0.15
(1,71)	1:835:B:GLY:O	1:839:B:ALA:H	4	0.15
(1,61)	1:830:B:ILE:O	1:834:B:GLN:H	8	0.15
(1,53)	1:826:B:THR:O	1:830:B:ILE:H	1	0.15
(1,47)	1:813:B:SER:O	1:817:B:ALA:H	11	0.15
(1,27)	1:803:B:TRP:O	1:807:B:LEU:H	15	0.15
(1,20)	1:799:B:LEU:O	1:803:B:TRP:N	1	0.15
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	1	0.15
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	11	0.15
(1,5)	1:792:B:ALA:O	1:796:B:TRP:H	5	0.15
(1,4)	1:791:B:GLU:O	1:795:B:TYR:N	1	0.15
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB2	2	0.14
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB3	2	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	2	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	2	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	2	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	3	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	3	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	3	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	13	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	13	0.14
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	13	0.14
(2,1457)	1:785:A:LEU:HD21	1:782:A:VAL:HA	7	0.14
(2,1457)	1:785:A:LEU:HD22	1:782:A:VAL:HA	7	0.14
(2,1457)	1:785:A:LEU:HD23	1:782:A:VAL:HA	7	0.14
(2,1451)	1:785:A:LEU:H	1:782:A:VAL:HA	1	0.14
(2,1444)	1:784:A:LEU:H	1:782:A:VAL:HA	7	0.14
(2,1443)	1:784:A:LEU:H	1:781:A:ILE:HA	3	0.14
(2,1443)	1:784:A:LEU:H	1:781:A:ILE:HA	10	0.14
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	4	0.14
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	10	0.14
(2,1414)	1:778:A:VAL:HG21	1:775:A:LEU:HA	1	0.14
(2,1414)	1:778:A:VAL:HG22	1:775:A:LEU:HA	1	0.14
(2,1414)	1:778:A:VAL:HG23	1:775:A:LEU:HA	1	0.14
(2,1395)	1:775:A:LEU:HD11	1:772:A:ARG:HA	8	0.14
(2,1395)	1:775:A:LEU:HD12	1:772:A:ARG:HA	8	0.14
(2,1395)	1:775:A:LEU:HD13	1:772:A:ARG:HA	8	0.14
(2,1395)	1:775:A:LEU:HD11	1:772:A:ARG:HA	15	0.14
(2,1395)	1:775:A:LEU:HD12	1:772:A:ARG:HA	15	0.14
(2,1395)	1:775:A:LEU:HD13	1:772:A:ARG:HA	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB2	3	0.14
(2,1373)	1:764:A:SER:H	1:771:A:LEU:HB3	3	0.14
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB1	6	0.14
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB2	6	0.14
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB3	6	0.14
(2,1352)	1:755:A:LEU:H	1:752:A:SER:HA	5	0.14
(2,1350)	1:754:A:ALA:HB1	1:758:A:ASP:H	6	0.14
(2,1350)	1:754:A:ALA:HB2	1:758:A:ASP:H	6	0.14
(2,1350)	1:754:A:ALA:HB3	1:758:A:ASP:H	6	0.14
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	3	0.14
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	3	0.14
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	3	0.14
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	3	0.14
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	3	0.14
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	3	0.14
(2,1323)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	6	0.14
(2,1323)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	6	0.14
(2,1323)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	6	0.14
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	4	0.14
(2,1321)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	4	0.14
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	4	0.14
(2,1321)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	4	0.14
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	4	0.14
(2,1321)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	4	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD11	14	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD12	14	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD13	14	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD21	14	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD22	14	0.14
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD23	14	0.14
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	3	0.14
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	15	0.14
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	12	0.14
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	12	0.14
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	12	0.14
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	12	0.14
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	12	0.14
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	12	0.14
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	13	0.14
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	13	0.14
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	13	0.14
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	13	0.14
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	13	0.14
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	3	0.14
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	3	0.14
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	3	0.14
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	3	0.14
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	3	0.14
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	3	0.14
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	3	0.14
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	3	0.14
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	3	0.14
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	4	0.14
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	4	0.14
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	4	0.14
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	4	0.14
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	4	0.14
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	4	0.14
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	8	0.14
(2,1229)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	8	0.14
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	8	0.14
(2,1229)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	8	0.14
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	8	0.14
(2,1229)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	8	0.14
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	7	0.14
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	7	0.14
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	7	0.14
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	7	0.14
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	7	0.14
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	7	0.14
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	9	0.14
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	9	0.14
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	9	0.14
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	9	0.14
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	9	0.14
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	9	0.14
(2,1224)	1:702:A:LEU:H	1:699:A:PHE:HA	7	0.14
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	9	0.14
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	13	0.14
(2,1217)	1:700:A:ALA:HB1	1:697:A:ILE:HA	15	0.14
(2,1217)	1:700:A:ALA:HB2	1:697:A:ILE:HA	15	0.14
(2,1217)	1:700:A:ALA:HB3	1:697:A:ILE:HA	15	0.14
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	1	0.14
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	1	0.14
(2,1195)	1:695:A:LEU:HD21	1:698:A:VAL:HB	13	0.14
(2,1195)	1:695:A:LEU:HD22	1:698:A:VAL:HB	13	0.14
(2,1195)	1:695:A:LEU:HD23	1:698:A:VAL:HB	13	0.14
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	4	0.14
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	4	0.14
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	4	0.14
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	4	0.14
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	4	0.14
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	4	0.14
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	11	0.14
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	11	0.14
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	11	0.14
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	11	0.14
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	11	0.14
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	11	0.14
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	12	0.14
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	12	0.14
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	12	0.14
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	12	0.14
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	12	0.14
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	12	0.14
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	15	0.14
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	15	0.14
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	15	0.14
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	15	0.14
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	15	0.14
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	15	0.14
(2,1193)	1:695:A:LEU:HD11	1:691:A:SER:HB2	8	0.14
(2,1193)	1:695:A:LEU:HD11	1:691:A:SER:HB3	8	0.14
(2,1193)	1:695:A:LEU:HD12	1:691:A:SER:HB2	8	0.14
(2,1193)	1:695:A:LEU:HD12	1:691:A:SER:HB3	8	0.14
(2,1193)	1:695:A:LEU:HD13	1:691:A:SER:HB2	8	0.14
(2,1193)	1:695:A:LEU:HD13	1:691:A:SER:HB3	8	0.14
(2,1143)	1:682:A:ILE:HG21	1:679:A:LEU:H	12	0.14
(2,1143)	1:682:A:ILE:HG22	1:679:A:LEU:H	12	0.14
(2,1143)	1:682:A:ILE:HG23	1:679:A:LEU:H	12	0.14
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	8	0.14
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	8	0.14
(2,1134)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	8	0.14
(2,1130)	1:676:A:THR:HG21	1:681:A:TYR:HH	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1130)	1:676:A:THR:HG22	1:681:A:TYR:HH	4	0.14
(2,1130)	1:676:A:THR:HG23	1:681:A:TYR:HH	4	0.14
(2,1109)	1:670:A:TRP:H	1:667:A:ALA:HA	6	0.14
(2,1108)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	5	0.14
(2,1108)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	5	0.14
(2,1108)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	5	0.14
(2,1108)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	5	0.14
(2,1108)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	5	0.14
(2,1108)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	5	0.14
(2,1108)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	7	0.14
(2,1108)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	7	0.14
(2,1108)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	7	0.14
(2,1108)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	7	0.14
(2,1108)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	7	0.14
(2,1108)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	7	0.14
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	13	0.14
(2,1092)	1:667:A:ALA:H	1:664:A:ASP:HA	12	0.14
(2,1091)	1:666:A:TRP:HE1	1:662:A:GLU:H	14	0.14
(2,1091)	1:666:A:TRP:HE1	1:662:A:GLU:H	15	0.14
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	3	0.14
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	13	0.14
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB2	2	0.14
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB3	2	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	2	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	2	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	2	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	3	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	3	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	3	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	13	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	13	0.14
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	13	0.14
(2,1032)	1:785:A:LEU:HD21	1:782:A:VAL:HA	7	0.14
(2,1032)	1:785:A:LEU:HD22	1:782:A:VAL:HA	7	0.14
(2,1032)	1:785:A:LEU:HD23	1:782:A:VAL:HA	7	0.14
(2,1026)	1:785:A:LEU:H	1:782:A:VAL:HA	1	0.14
(2,1019)	1:784:A:LEU:H	1:782:A:VAL:HA	7	0.14
(2,1018)	1:784:A:LEU:H	1:781:A:ILE:HA	3	0.14
(2,1018)	1:784:A:LEU:H	1:781:A:ILE:HA	10	0.14
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	4	0.14
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	10	0.14
(2,989)	1:778:A:VAL:HG21	1:775:A:LEU:HA	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,989)	1:778:A:VAL:HG22	1:775:A:LEU:HA	1	0.14
(2,989)	1:778:A:VAL:HG23	1:775:A:LEU:HA	1	0.14
(2,970)	1:775:A:LEU:HD11	1:772:A:ARG:HA	8	0.14
(2,970)	1:775:A:LEU:HD12	1:772:A:ARG:HA	8	0.14
(2,970)	1:775:A:LEU:HD13	1:772:A:ARG:HA	8	0.14
(2,970)	1:775:A:LEU:HD11	1:772:A:ARG:HA	15	0.14
(2,970)	1:775:A:LEU:HD12	1:772:A:ARG:HA	15	0.14
(2,970)	1:775:A:LEU:HD13	1:772:A:ARG:HA	15	0.14
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB2	3	0.14
(2,948)	1:764:A:SER:H	1:771:A:LEU:HB3	3	0.14
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB1	6	0.14
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB2	6	0.14
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB3	6	0.14
(2,927)	1:755:A:LEU:H	1:752:A:SER:HA	5	0.14
(2,925)	1:754:A:ALA:HB1	1:758:A:ASP:H	6	0.14
(2,925)	1:754:A:ALA:HB2	1:758:A:ASP:H	6	0.14
(2,925)	1:754:A:ALA:HB3	1:758:A:ASP:H	6	0.14
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	3	0.14
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	3	0.14
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	3	0.14
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	3	0.14
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	3	0.14
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	3	0.14
(2,898)	1:746:A:ILE:HG21	1:750:A:ASN:HD22	6	0.14
(2,898)	1:746:A:ILE:HG22	1:750:A:ASN:HD22	6	0.14
(2,898)	1:746:A:ILE:HG23	1:750:A:ASN:HD22	6	0.14
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB2	4	0.14
(2,896)	1:746:A:ILE:HD11	1:743:A:ASP:HB3	4	0.14
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB2	4	0.14
(2,896)	1:746:A:ILE:HD12	1:743:A:ASP:HB3	4	0.14
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB2	4	0.14
(2,896)	1:746:A:ILE:HD13	1:743:A:ASP:HB3	4	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD11	14	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD12	14	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD13	14	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD21	14	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD22	14	0.14
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD23	14	0.14
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	3	0.14
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	15	0.14
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	12	0.14
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	12	0.14
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	12	0.14
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	12	0.14
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	12	0.14
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	13	0.14
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	13	0.14
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	13	0.14
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	13	0.14
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	13	0.14
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	13	0.14
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	3	0.14
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	3	0.14
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	3	0.14
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	3	0.14
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	3	0.14
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	3	0.14
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	3	0.14
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	3	0.14
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	3	0.14
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	4	0.14
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	4	0.14
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	4	0.14
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	4	0.14
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	4	0.14
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	4	0.14
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB2	8	0.14
(2,804)	1:702:A:LEU:HD21	1:706:A:ASN:HB3	8	0.14
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB2	8	0.14
(2,804)	1:702:A:LEU:HD22	1:706:A:ASN:HB3	8	0.14
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB2	8	0.14
(2,804)	1:702:A:LEU:HD23	1:706:A:ASN:HB3	8	0.14
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	7	0.14
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	7	0.14
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	7	0.14
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	7	0.14
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	7	0.14
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	7	0.14
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	9	0.14
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	9	0.14
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	9	0.14
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	9	0.14
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	9	0.14
(2,799)	1:702:A:LEU:H	1:699:A:PHE:HA	7	0.14
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	9	0.14
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	13	0.14
(2,792)	1:700:A:ALA:HB1	1:697:A:ILE:HA	15	0.14
(2,792)	1:700:A:ALA:HB2	1:697:A:ILE:HA	15	0.14
(2,792)	1:700:A:ALA:HB3	1:697:A:ILE:HA	15	0.14
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	1	0.14
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	1	0.14
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	1	0.14
(2,770)	1:695:A:LEU:HD21	1:698:A:VAL:HB	13	0.14
(2,770)	1:695:A:LEU:HD22	1:698:A:VAL:HB	13	0.14
(2,770)	1:695:A:LEU:HD23	1:698:A:VAL:HB	13	0.14
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	4	0.14
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	4	0.14
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	4	0.14
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	4	0.14
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	4	0.14
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	4	0.14
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	11	0.14
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	11	0.14
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	11	0.14
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	11	0.14
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	11	0.14
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	11	0.14
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	12	0.14
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	12	0.14
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	12	0.14
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	12	0.14
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	12	0.14
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	12	0.14
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	15	0.14
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	15	0.14
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	15	0.14
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	15	0.14
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	15	0.14
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	15	0.14
(2,768)	1:695:A:LEU:HD11	1:691:A:SER:HB2	8	0.14
(2,768)	1:695:A:LEU:HD11	1:691:A:SER:HB3	8	0.14
(2,768)	1:695:A:LEU:HD12	1:691:A:SER:HB2	8	0.14
(2,768)	1:695:A:LEU:HD12	1:691:A:SER:HB3	8	0.14
(2,768)	1:695:A:LEU:HD13	1:691:A:SER:HB2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,768)	1:695:A:LEU:HD13	1:691:A:SER:HB3	8	0.14
(2,718)	1:682:A:ILE:HG21	1:679:A:LEU:H	12	0.14
(2,718)	1:682:A:ILE:HG22	1:679:A:LEU:H	12	0.14
(2,718)	1:682:A:ILE:HG23	1:679:A:LEU:H	12	0.14
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD11	8	0.14
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD12	8	0.14
(2,709)	1:678:A:TRP:HE1	1:675:A:ILE:HD13	8	0.14
(2,705)	1:676:A:THR:HG21	1:681:A:TYR:HH	4	0.14
(2,705)	1:676:A:THR:HG22	1:681:A:TYR:HH	4	0.14
(2,705)	1:676:A:THR:HG23	1:681:A:TYR:HH	4	0.14
(2,684)	1:670:A:TRP:H	1:667:A:ALA:HA	6	0.14
(2,683)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	5	0.14
(2,683)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	5	0.14
(2,683)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	5	0.14
(2,683)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	5	0.14
(2,683)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	5	0.14
(2,683)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	5	0.14
(2,683)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	7	0.14
(2,683)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	7	0.14
(2,683)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	7	0.14
(2,683)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	7	0.14
(2,683)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	7	0.14
(2,683)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	7	0.14
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	13	0.14
(2,667)	1:667:A:ALA:H	1:664:A:ASP:HA	12	0.14
(2,666)	1:666:A:TRP:HE1	1:662:A:GLU:H	14	0.14
(2,666)	1:666:A:TRP:HE1	1:662:A:GLU:H	15	0.14
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	3	0.14
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	13	0.14
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD11	15	0.14
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD12	15	0.14
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD13	15	0.14
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD21	15	0.14
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD22	15	0.14
(2,619)	1:797:B:TRP:HE1	1:793:B:LEU:HD23	15	0.14
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD21	7	0.14
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD22	7	0.14
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD23	7	0.14
(2,615)	1:796:B:TRP:HE1	1:796:B:TRP:H	15	0.14
(2,599)	1:784:B:LEU:HD11	1:787:B:ARG:HD2	14	0.14
(2,599)	1:784:B:LEU:HD11	1:787:B:ARG:HD3	14	0.14
(2,599)	1:784:B:LEU:HD12	1:787:B:ARG:HD2	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,599)	1:784:B:LEU:HD12	1:787:B:ARG:HD3	14	0.14
(2,599)	1:784:B:LEU:HD13	1:787:B:ARG:HD2	14	0.14
(2,599)	1:784:B:LEU:HD13	1:787:B:ARG:HD3	14	0.14
(2,580)	1:781:B:ILE:HG21	1:778:B:VAL:HA	3	0.14
(2,580)	1:781:B:ILE:HG22	1:778:B:VAL:HA	3	0.14
(2,580)	1:781:B:ILE:HG23	1:778:B:VAL:HA	3	0.14
(2,576)	1:781:B:ILE:H	1:780:B:ARG:HA	5	0.14
(2,575)	1:781:B:ILE:H	1:778:B:VAL:HA	3	0.14
(2,519)	1:763:B:LEU:HD11	1:764:B:SER:HG	3	0.14
(2,519)	1:763:B:LEU:HD12	1:764:B:SER:HG	3	0.14
(2,519)	1:763:B:LEU:HD13	1:764:B:SER:HG	3	0.14
(2,519)	1:763:B:LEU:HD11	1:764:B:SER:HG	15	0.14
(2,519)	1:763:B:LEU:HD12	1:764:B:SER:HG	15	0.14
(2,519)	1:763:B:LEU:HD13	1:764:B:SER:HG	15	0.14
(2,515)	1:760:B:LEU:HD11	1:757:B:TRP:HA	5	0.14
(2,515)	1:760:B:LEU:HD12	1:757:B:TRP:HA	5	0.14
(2,515)	1:760:B:LEU:HD13	1:757:B:TRP:HA	5	0.14
(2,515)	1:760:B:LEU:HD11	1:757:B:TRP:HA	15	0.14
(2,515)	1:760:B:LEU:HD12	1:757:B:TRP:HA	15	0.14
(2,515)	1:760:B:LEU:HD13	1:757:B:TRP:HA	15	0.14
(2,509)	1:758:B:ASP:H	1:754:B:ALA:HB1	8	0.14
(2,509)	1:758:B:ASP:H	1:754:B:ALA:HB2	8	0.14
(2,509)	1:758:B:ASP:H	1:754:B:ALA:HB3	8	0.14
(2,502)	1:755:B:LEU:H	1:752:B:SER:HA	12	0.14
(2,500)	1:754:B:ALA:HB1	1:758:B:ASP:H	8	0.14
(2,500)	1:754:B:ALA:HB2	1:758:B:ASP:H	8	0.14
(2,500)	1:754:B:ALA:HB3	1:758:B:ASP:H	8	0.14
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA2	1	0.14
(2,498)	1:754:B:ALA:HB1	1:751:B:GLY:HA3	1	0.14
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA2	1	0.14
(2,498)	1:754:B:ALA:HB2	1:751:B:GLY:HA3	1	0.14
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA2	1	0.14
(2,498)	1:754:B:ALA:HB3	1:751:B:GLY:HA3	1	0.14
(2,482)	1:749:B:VAL:H	1:746:B:ILE:HA	1	0.14
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD2	5	0.14
(2,478)	1:748:B:LEU:H	1:744:B:ARG:HD3	5	0.14
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB2	4	0.14
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB3	4	0.14
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB2	4	0.14
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB3	4	0.14
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB2	4	0.14
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB3	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB2	9	0.14
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB3	9	0.14
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB2	9	0.14
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB3	9	0.14
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB2	9	0.14
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB3	9	0.14
(2,446)	1:710:B:GLN:HE21	1:706:B:ASN:HB2	8	0.14
(2,446)	1:710:B:GLN:HE21	1:706:B:ASN:HB3	8	0.14
(2,446)	1:710:B:GLN:HE22	1:706:B:ASN:HB2	8	0.14
(2,446)	1:710:B:GLN:HE22	1:706:B:ASN:HB3	8	0.14
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD11	7	0.14
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD12	7	0.14
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD13	7	0.14
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD21	7	0.14
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD22	7	0.14
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD23	7	0.14
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	11	0.14
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	11	0.14
(2,407)	1:706:B:ASN:H	1:703:B:SER:HA	12	0.14
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	5	0.14
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	5	0.14
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	5	0.14
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	5	0.14
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	5	0.14
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	5	0.14
(2,405)	1:705:B:VAL:HG21	1:702:B:LEU:HG	5	0.14
(2,405)	1:705:B:VAL:HG22	1:702:B:LEU:HG	5	0.14
(2,405)	1:705:B:VAL:HG23	1:702:B:LEU:HG	5	0.14
(2,403)	1:705:B:VAL:HG11	1:709:B:ARG:HD2	9	0.14
(2,403)	1:705:B:VAL:HG11	1:709:B:ARG:HD3	9	0.14
(2,403)	1:705:B:VAL:HG12	1:709:B:ARG:HD2	9	0.14
(2,403)	1:705:B:VAL:HG12	1:709:B:ARG:HD3	9	0.14
(2,403)	1:705:B:VAL:HG13	1:709:B:ARG:HD2	9	0.14
(2,403)	1:705:B:VAL:HG13	1:709:B:ARG:HD3	9	0.14
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG21	7	0.14
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG22	7	0.14
(2,395)	1:704:B:LEU:HD11	1:708:B:VAL:HG23	7	0.14
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG21	7	0.14
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG22	7	0.14
(2,395)	1:704:B:LEU:HD12	1:708:B:VAL:HG23	7	0.14
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG21	7	0.14
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG22	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,395)	1:704:B:LEU:HD13	1:708:B:VAL:HG23	7	0.14
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB2	1	0.14
(2,379)	1:702:B:LEU:HD21	1:706:B:ASN:HB3	1	0.14
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB2	1	0.14
(2,379)	1:702:B:LEU:HD22	1:706:B:ASN:HB3	1	0.14
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB2	1	0.14
(2,379)	1:702:B:LEU:HD23	1:706:B:ASN:HB3	1	0.14
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD1	7	0.14
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD2	7	0.14
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD1	7	0.14
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD2	7	0.14
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD1	7	0.14
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD2	7	0.14
(2,374)	1:702:B:LEU:H	1:699:B:PHE:HA	7	0.14
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	10	0.14
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	10	0.14
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	10	0.14
(2,345)	1:695:B:LEU:HD21	1:698:B:VAL:HB	15	0.14
(2,345)	1:695:B:LEU:HD22	1:698:B:VAL:HB	15	0.14
(2,345)	1:695:B:LEU:HD23	1:698:B:VAL:HB	15	0.14
(2,335)	1:693:B:ILE:HD11	1:694:B:GLY:HA2	3	0.14
(2,335)	1:693:B:ILE:HD11	1:694:B:GLY:HA3	3	0.14
(2,335)	1:693:B:ILE:HD12	1:694:B:GLY:HA2	3	0.14
(2,335)	1:693:B:ILE:HD12	1:694:B:GLY:HA3	3	0.14
(2,335)	1:693:B:ILE:HD13	1:694:B:GLY:HA2	3	0.14
(2,335)	1:693:B:ILE:HD13	1:694:B:GLY:HA3	3	0.14
(2,307)	1:684:B:ILE:HG21	1:688:B:ILE:H	1	0.14
(2,307)	1:684:B:ILE:HG22	1:688:B:ILE:H	1	0.14
(2,307)	1:684:B:ILE:HG23	1:688:B:ILE:H	1	0.14
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD1	13	0.14
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD2	13	0.14
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD1	13	0.14
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD2	13	0.14
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD1	13	0.14
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD2	13	0.14
(2,301)	1:684:B:ILE:HD11	1:681:B:TYR:HA	4	0.14
(2,301)	1:684:B:ILE:HD12	1:681:B:TYR:HA	4	0.14
(2,301)	1:684:B:ILE:HD13	1:681:B:TYR:HA	4	0.14
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	15	0.14
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	15	0.14
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	15	0.14
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	15	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	15	0.14
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	15	0.14
(2,292)	1:681:B:TYR:H	1:682:B:ILE:H	11	0.14
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD11	9	0.14
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD12	9	0.14
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD13	9	0.14
(2,286)	1:678:B:TRP:HE1	1:682:B:ILE:H	2	0.14
(2,280)	1:676:B:THR:HG21	1:681:B:TYR:HH	1	0.14
(2,280)	1:676:B:THR:HG22	1:681:B:TYR:HH	1	0.14
(2,280)	1:676:B:THR:HG23	1:681:B:TYR:HH	1	0.14
(2,272)	1:674:B:ASP:H	1:677:B:ASN:H	10	0.14
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	7	0.14
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	7	0.14
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	7	0.14
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	7	0.14
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	7	0.14
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	7	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD11	4	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD12	4	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD13	4	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD21	4	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD22	4	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD23	4	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD11	13	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD12	13	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD13	13	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD21	13	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD22	13	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD23	13	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD11	14	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD12	14	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD13	14	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD21	14	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD22	14	0.14
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD23	14	0.14
(2,259)	1:670:B:TRP:H	1:667:B:ALA:HA	9	0.14
(2,259)	1:670:B:TRP:H	1:667:B:ALA:HA	10	0.14
(2,253)	1:669:B:LEU:H	1:666:B:TRP:HA	11	0.14
(2,245)	1:667:B:ALA:H	1:666:B:TRP:HD1	1	0.14
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	3	0.14
(2,225)	1:664:B:ASP:H	1:663:B:LEU:H	10	0.14
(2,219)	1:663:B:LEU:H	1:664:B:ASP:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,214)	1:661:B:LEU:HD11	1:662:B:GLU:HG2	7	0.14
(2,214)	1:661:B:LEU:HD11	1:662:B:GLU:HG3	7	0.14
(2,214)	1:661:B:LEU:HD12	1:662:B:GLU:HG2	7	0.14
(2,214)	1:661:B:LEU:HD12	1:662:B:GLU:HG3	7	0.14
(2,214)	1:661:B:LEU:HD13	1:662:B:GLU:HG2	7	0.14
(2,214)	1:661:B:LEU:HD13	1:662:B:GLU:HG3	7	0.14
(2,214)	1:661:B:LEU:HD21	1:662:B:GLU:HG2	7	0.14
(2,214)	1:661:B:LEU:HD21	1:662:B:GLU:HG3	7	0.14
(2,214)	1:661:B:LEU:HD22	1:662:B:GLU:HG2	7	0.14
(2,214)	1:661:B:LEU:HD22	1:662:B:GLU:HG3	7	0.14
(2,214)	1:661:B:LEU:HD23	1:662:B:GLU:HG2	7	0.14
(2,214)	1:661:B:LEU:HD23	1:662:B:GLU:HG3	7	0.14
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	4	0.14
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	4	0.14
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	4	0.14
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD2	1	0.14
(2,208)	1:839:B:ALA:H	1:808:B:LYS:HD3	1	0.14
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	3	0.14
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	3	0.14
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	3	0.14
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	3	0.14
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	3	0.14
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	3	0.14
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	10	0.14
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	10	0.14
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD2	8	0.14
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD3	8	0.14
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD2	8	0.14
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD3	8	0.14
(2,177)	1:803:A:TRP:HE1	1:764:B:SER:HG	10	0.14
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	1	0.14
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	1	0.14
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	1	0.14
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	1	0.14
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG12	9	0.14
(2,159)	1:794:A:LYS:H	1:847:A:ILE:HG13	9	0.14
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG12	9	0.14
(2,158)	1:794:A:LYS:H	1:847:A:ILE:HG13	9	0.14
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	1	0.14
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	1	0.14
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG12	6	0.14
(2,147)	1:782:A:VAL:H	1:746:B:ILE:HG13	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG12	9	0.14
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG13	9	0.14
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG12	13	0.14
(2,142)	1:781:A:ILE:H	1:746:B:ILE:HG13	13	0.14
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB2	15	0.14
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB3	15	0.14
(2,126)	1:785:A:LEU:HD21	1:749:B:VAL:HB	15	0.14
(2,126)	1:785:A:LEU:HD22	1:749:B:VAL:HB	15	0.14
(2,126)	1:785:A:LEU:HD23	1:749:B:VAL:HB	15	0.14
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	4	0.14
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	4	0.14
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	4	0.14
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	4	0.14
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	4	0.14
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	4	0.14
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	13	0.14
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	13	0.14
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	13	0.14
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	13	0.14
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	13	0.14
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	13	0.14
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD2	1	0.14
(2,105)	1:763:A:LEU:H	1:742:B:ARG:HD3	1	0.14
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE21	3	0.14
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE22	3	0.14
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE21	3	0.14
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE22	3	0.14
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE21	3	0.14
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE22	3	0.14
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB2	14	0.14
(2,93)	1:754:A:ALA:H	1:716:B:SER:HB3	14	0.14
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	1	0.14
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	1	0.14
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	1	0.14
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	1	0.14
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	1	0.14
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	1	0.14
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD11	13	0.14
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD12	13	0.14
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD13	13	0.14
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG12	6	0.14
(2,42)	1:693:A:ILE:H	1:693:B:ILE:HG13	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	6	0.14
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	6	0.14
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	6	0.14
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	13	0.14
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	13	0.14
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	13	0.14
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG21	10	0.14
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG22	10	0.14
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG23	10	0.14
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG21	10	0.14
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG22	10	0.14
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG23	10	0.14
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG21	10	0.14
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG22	10	0.14
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG23	10	0.14
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	13	0.14
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	13	0.14
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	15	0.14
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	15	0.14
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB2	9	0.14
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB3	9	0.14
(1,257)	1:850:B:GLY:O	1:854:B:ILE:H	15	0.14
(1,255)	1:849:B:GLN:O	1:853:B:ARG:H	11	0.14
(1,247)	1:837:B:SER:O	1:841:B:ARG:H	10	0.14
(1,245)	1:836:B:ALA:O	1:840:B:ILE:H	2	0.14
(1,245)	1:836:B:ALA:O	1:840:B:ILE:H	4	0.14
(1,241)	1:834:B:GLN:O	1:838:B:ARG:H	8	0.14
(1,233)	1:830:B:ILE:O	1:834:B:GLN:H	9	0.14
(1,219)	1:813:B:SER:O	1:817:B:ALA:H	12	0.14
(1,213)	1:810:B:SER:O	1:814:B:LEU:H	14	0.14
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	5	0.14
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	11	0.14
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	12	0.14
(1,189)	1:798:B:ASN:O	1:802:B:TYR:H	11	0.14
(1,189)	1:798:B:ASN:O	1:802:B:TYR:H	13	0.14
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	3	0.14
(1,177)	1:792:B:ALA:O	1:796:B:TRP:H	3	0.14
(1,176)	1:791:B:GLU:O	1:795:B:TYR:N	10	0.14
(1,175)	1:791:B:GLU:O	1:795:B:TYR:H	2	0.14
(1,171)	1:850:B:GLY:O	1:854:B:ILE:H	15	0.14
(1,169)	1:849:B:GLN:O	1:853:B:ARG:H	11	0.14
(1,161)	1:837:B:SER:O	1:841:B:ARG:H	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,159)	1:836:B:ALA:O	1:840:B:ILE:H	2	0.14
(1,159)	1:836:B:ALA:O	1:840:B:ILE:H	4	0.14
(1,155)	1:834:B:GLN:O	1:838:B:ARG:H	8	0.14
(1,147)	1:830:B:ILE:O	1:834:B:GLN:H	9	0.14
(1,133)	1:813:B:SER:O	1:817:B:ALA:H	12	0.14
(1,127)	1:810:B:SER:O	1:814:B:LEU:H	14	0.14
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	5	0.14
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	11	0.14
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	12	0.14
(1,103)	1:798:B:ASN:O	1:802:B:TYR:H	11	0.14
(1,103)	1:798:B:ASN:O	1:802:B:TYR:H	13	0.14
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	3	0.14
(1,91)	1:792:B:ALA:O	1:796:B:TRP:H	3	0.14
(1,90)	1:791:B:GLU:O	1:795:B:TYR:N	10	0.14
(1,89)	1:791:B:GLU:O	1:795:B:TYR:H	2	0.14
(1,85)	1:850:B:GLY:O	1:854:B:ILE:H	15	0.14
(1,83)	1:849:B:GLN:O	1:853:B:ARG:H	11	0.14
(1,75)	1:837:B:SER:O	1:841:B:ARG:H	10	0.14
(1,73)	1:836:B:ALA:O	1:840:B:ILE:H	2	0.14
(1,73)	1:836:B:ALA:O	1:840:B:ILE:H	4	0.14
(1,69)	1:834:B:GLN:O	1:838:B:ARG:H	8	0.14
(1,61)	1:830:B:ILE:O	1:834:B:GLN:H	9	0.14
(1,47)	1:813:B:SER:O	1:817:B:ALA:H	12	0.14
(1,41)	1:810:B:SER:O	1:814:B:LEU:H	14	0.14
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	5	0.14
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	11	0.14
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	12	0.14
(1,17)	1:798:B:ASN:O	1:802:B:TYR:H	11	0.14
(1,17)	1:798:B:ASN:O	1:802:B:TYR:H	13	0.14
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	3	0.14
(1,5)	1:792:B:ALA:O	1:796:B:TRP:H	3	0.14
(1,4)	1:791:B:GLU:O	1:795:B:TYR:N	10	0.14
(1,3)	1:791:B:GLU:O	1:795:B:TYR:H	2	0.14
(2,1487)	1:770:A:ARG:HH21	1:773:A:ASP:OD2	9	0.13
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	8	0.13
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	8	0.13
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	8	0.13
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	8	0.13
(2,1467)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	8	0.13
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	5	0.13
(2,1436)	1:782:A:VAL:HG21	1:779:A:THR:HA	11	0.13
(2,1436)	1:782:A:VAL:HG22	1:779:A:THR:HA	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1436)	1:782:A:VAL:HG23	1:779:A:THR:HA	11	0.13
(2,1431)	1:782:A:VAL:H	1:779:A:THR:HA	8	0.13
(2,1426)	1:781:A:ILE:H	1:780:A:ARG:HA	3	0.13
(2,1426)	1:781:A:ILE:H	1:780:A:ARG:HA	9	0.13
(2,1415)	1:779:A:THR:H	1:776:A:LEU:HA	3	0.13
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	1	0.13
(2,1408)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	1	0.13
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	1	0.13
(2,1408)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	1	0.13
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	1	0.13
(2,1408)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	1	0.13
(2,1402)	1:777:A:ILE:H	1:774:A:LEU:HA	13	0.13
(2,1397)	1:776:A:LEU:H	1:775:A:LEU:HA	10	0.13
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	5	0.13
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	5	0.13
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	5	0.13
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	5	0.13
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	5	0.13
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	5	0.13
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	3	0.13
(2,1370)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	3	0.13
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	3	0.13
(2,1370)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	3	0.13
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	3	0.13
(2,1370)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	3	0.13
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	12	0.13
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	12	0.13
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	12	0.13
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	12	0.13
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	12	0.13
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	12	0.13
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB1	1	0.13
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB2	1	0.13
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB3	1	0.13
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB1	12	0.13
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB2	12	0.13
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB3	12	0.13
(2,1357)	1:755:A:LEU:HD21	1:759:A:ASP:HB3	12	0.13
(2,1357)	1:755:A:LEU:HD22	1:759:A:ASP:HB3	12	0.13
(2,1357)	1:755:A:LEU:HD23	1:759:A:ASP:HB3	12	0.13
(2,1352)	1:755:A:LEU:H	1:752:A:SER:HA	13	0.13
(2,1350)	1:754:A:ALA:HB1	1:758:A:ASP:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1350)	1:754:A:ALA:HB2	1:758:A:ASP:H	1	0.13
(2,1350)	1:754:A:ALA:HB3	1:758:A:ASP:H	1	0.13
(2,1350)	1:754:A:ALA:HB1	1:758:A:ASP:H	12	0.13
(2,1350)	1:754:A:ALA:HB2	1:758:A:ASP:H	12	0.13
(2,1350)	1:754:A:ALA:HB3	1:758:A:ASP:H	12	0.13
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	12	0.13
(2,1342)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	12	0.13
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	12	0.13
(2,1342)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	12	0.13
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	12	0.13
(2,1342)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	12	0.13
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	15	0.13
(2,1341)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	15	0.13
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	15	0.13
(2,1341)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	15	0.13
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	15	0.13
(2,1341)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	15	0.13
(2,1332)	1:749:A:VAL:H	1:746:A:ILE:HA	6	0.13
(2,1324)	1:747:A:ARG:H	1:744:A:ARG:HA	8	0.13
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	1	0.13
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	1	0.13
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	1	0.13
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	1	0.13
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	1	0.13
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	1	0.13
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG2	1	0.13
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG3	1	0.13
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG2	13	0.13
(2,1270)	1:707:A:ARG:H	1:707:A:ARG:HG3	13	0.13
(2,1253)	1:705:A:VAL:HG11	1:709:A:ARG:HD2	13	0.13
(2,1253)	1:705:A:VAL:HG11	1:709:A:ARG:HD3	13	0.13
(2,1253)	1:705:A:VAL:HG12	1:709:A:ARG:HD2	13	0.13
(2,1253)	1:705:A:VAL:HG12	1:709:A:ARG:HD3	13	0.13
(2,1253)	1:705:A:VAL:HG13	1:709:A:ARG:HD2	13	0.13
(2,1253)	1:705:A:VAL:HG13	1:709:A:ARG:HD3	13	0.13
(2,1246)	1:705:A:VAL:H	1:702:A:LEU:HA	2	0.13
(2,1235)	1:704:A:LEU:H	1:701:A:VAL:HA	3	0.13
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	8	0.13
(2,1228)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	8	0.13
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	8	0.13
(2,1228)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	8	0.13
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1228)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	8	0.13
(2,1222)	1:701:A:VAL:HG11	1:698:A:VAL:HA	2	0.13
(2,1222)	1:701:A:VAL:HG12	1:698:A:VAL:HA	2	0.13
(2,1222)	1:701:A:VAL:HG13	1:698:A:VAL:HA	2	0.13
(2,1219)	1:701:A:VAL:H	1:698:A:VAL:HA	12	0.13
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	5	0.13
(2,1207)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	5	0.13
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	5	0.13
(2,1207)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	5	0.13
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	5	0.13
(2,1207)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	5	0.13
(2,1205)	1:698:A:VAL:HG11	1:695:A:LEU:HA	4	0.13
(2,1205)	1:698:A:VAL:HG12	1:695:A:LEU:HA	4	0.13
(2,1205)	1:698:A:VAL:HG13	1:695:A:LEU:HA	4	0.13
(2,1205)	1:698:A:VAL:HG11	1:695:A:LEU:HA	10	0.13
(2,1205)	1:698:A:VAL:HG12	1:695:A:LEU:HA	10	0.13
(2,1205)	1:698:A:VAL:HG13	1:695:A:LEU:HA	10	0.13
(2,1195)	1:695:A:LEU:HD21	1:698:A:VAL:HB	3	0.13
(2,1195)	1:695:A:LEU:HD22	1:698:A:VAL:HB	3	0.13
(2,1195)	1:695:A:LEU:HD23	1:698:A:VAL:HB	3	0.13
(2,1193)	1:695:A:LEU:HD11	1:691:A:SER:HB2	13	0.13
(2,1193)	1:695:A:LEU:HD11	1:691:A:SER:HB3	13	0.13
(2,1193)	1:695:A:LEU:HD12	1:691:A:SER:HB2	13	0.13
(2,1193)	1:695:A:LEU:HD12	1:691:A:SER:HB3	13	0.13
(2,1193)	1:695:A:LEU:HD13	1:691:A:SER:HB2	13	0.13
(2,1193)	1:695:A:LEU:HD13	1:691:A:SER:HB3	13	0.13
(2,1186)	1:693:A:ILE:HD11	1:697:A:ILE:H	3	0.13
(2,1186)	1:693:A:ILE:HD12	1:697:A:ILE:H	3	0.13
(2,1186)	1:693:A:ILE:HD13	1:697:A:ILE:H	3	0.13
(2,1172)	1:687:A:ILE:HG21	1:691:A:SER:HG	11	0.13
(2,1172)	1:687:A:ILE:HG22	1:691:A:SER:HG	11	0.13
(2,1172)	1:687:A:ILE:HG23	1:691:A:SER:HG	11	0.13
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	5	0.13
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	5	0.13
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	5	0.13
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	5	0.13
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	5	0.13
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	5	0.13
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD11	12	0.13
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD12	12	0.13
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD13	12	0.13
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD21	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD22	12	0.13
(2,1135)	1:678:A:TRP:HE1	1:679:A:LEU:HD23	12	0.13
(2,1130)	1:676:A:THR:HG21	1:681:A:TYR:HH	7	0.13
(2,1130)	1:676:A:THR:HG22	1:681:A:TYR:HH	7	0.13
(2,1130)	1:676:A:THR:HG23	1:681:A:TYR:HH	7	0.13
(2,1126)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	12	0.13
(2,1126)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	12	0.13
(2,1126)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	12	0.13
(2,1109)	1:670:A:TRP:H	1:667:A:ALA:HA	13	0.13
(2,1108)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	14	0.13
(2,1108)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	14	0.13
(2,1108)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	14	0.13
(2,1108)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	14	0.13
(2,1108)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	14	0.13
(2,1108)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	14	0.13
(2,1095)	1:667:A:ALA:H	1:666:A:TRP:HD1	3	0.13
(2,1091)	1:666:A:TRP:HE1	1:662:A:GLU:H	12	0.13
(2,1079)	1:665:A:LYS:H	1:664:A:ASP:HA	9	0.13
(2,1078)	1:665:A:LYS:H	1:662:A:GLU:HA	1	0.13
(2,1078)	1:665:A:LYS:H	1:662:A:GLU:HA	12	0.13
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	5	0.13
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	5	0.13
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	5	0.13
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	5	0.13
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	5	0.13
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	5	0.13
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	5	0.13
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	5	0.13
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	5	0.13
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	5	0.13
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	5	0.13
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	5	0.13
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	15	0.13
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	15	0.13
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	15	0.13
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	15	0.13
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	15	0.13
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	15	0.13
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	15	0.13
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	15	0.13
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	15	0.13
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	15	0.13
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	15	0.13
(2,1062)	1:770:A:ARG:HH21	1:773:A:ASP:OD2	9	0.13
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	8	0.13
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	8	0.13
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD21	8	0.13
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD22	8	0.13
(2,1042)	1:796:A:TRP:HE1	1:799:A:LEU:HD23	8	0.13
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	5	0.13
(2,1011)	1:782:A:VAL:HG21	1:779:A:THR:HA	11	0.13
(2,1011)	1:782:A:VAL:HG22	1:779:A:THR:HA	11	0.13
(2,1011)	1:782:A:VAL:HG23	1:779:A:THR:HA	11	0.13
(2,1006)	1:782:A:VAL:H	1:779:A:THR:HA	8	0.13
(2,1001)	1:781:A:ILE:H	1:780:A:ARG:HA	3	0.13
(2,1001)	1:781:A:ILE:H	1:780:A:ARG:HA	9	0.13
(2,990)	1:779:A:THR:H	1:776:A:LEU:HA	3	0.13
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD2	1	0.13
(2,983)	1:777:A:ILE:HG21	1:780:A:ARG:HD3	1	0.13
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD2	1	0.13
(2,983)	1:777:A:ILE:HG22	1:780:A:ARG:HD3	1	0.13
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD2	1	0.13
(2,983)	1:777:A:ILE:HG23	1:780:A:ARG:HD3	1	0.13
(2,977)	1:777:A:ILE:H	1:774:A:LEU:HA	13	0.13
(2,972)	1:776:A:LEU:H	1:775:A:LEU:HA	10	0.13
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	5	0.13
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	5	0.13
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	5	0.13
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	5	0.13
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	5	0.13
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	5	0.13
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE1	3	0.13
(2,945)	1:763:A:LEU:HD21	1:768:A:TYR:HE2	3	0.13
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE1	3	0.13
(2,945)	1:763:A:LEU:HD22	1:768:A:TYR:HE2	3	0.13
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE1	3	0.13
(2,945)	1:763:A:LEU:HD23	1:768:A:TYR:HE2	3	0.13
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	12	0.13
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	12	0.13
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	12	0.13
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	12	0.13
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	12	0.13
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB1	1	0.13
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB2	1	0.13
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB3	1	0.13
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB1	12	0.13
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB2	12	0.13
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB3	12	0.13
(2,932)	1:755:A:LEU:HD21	1:759:A:ASP:HB3	12	0.13
(2,932)	1:755:A:LEU:HD22	1:759:A:ASP:HB3	12	0.13
(2,932)	1:755:A:LEU:HD23	1:759:A:ASP:HB3	12	0.13
(2,927)	1:755:A:LEU:H	1:752:A:SER:HA	13	0.13
(2,925)	1:754:A:ALA:HB1	1:758:A:ASP:H	1	0.13
(2,925)	1:754:A:ALA:HB2	1:758:A:ASP:H	1	0.13
(2,925)	1:754:A:ALA:HB3	1:758:A:ASP:H	1	0.13
(2,925)	1:754:A:ALA:HB1	1:758:A:ASP:H	12	0.13
(2,925)	1:754:A:ALA:HB2	1:758:A:ASP:H	12	0.13
(2,925)	1:754:A:ALA:HB3	1:758:A:ASP:H	12	0.13
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB2	12	0.13
(2,917)	1:753:A:LEU:HD21	1:750:A:ASN:HB3	12	0.13
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB2	12	0.13
(2,917)	1:753:A:LEU:HD22	1:750:A:ASN:HB3	12	0.13
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB2	12	0.13
(2,917)	1:753:A:LEU:HD23	1:750:A:ASN:HB3	12	0.13
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB2	15	0.13
(2,916)	1:753:A:LEU:HD11	1:757:A:TRP:HB3	15	0.13
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB2	15	0.13
(2,916)	1:753:A:LEU:HD12	1:757:A:TRP:HB3	15	0.13
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB2	15	0.13
(2,916)	1:753:A:LEU:HD13	1:757:A:TRP:HB3	15	0.13
(2,907)	1:749:A:VAL:H	1:746:A:ILE:HA	6	0.13
(2,899)	1:747:A:ARG:H	1:744:A:ARG:HA	8	0.13
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	1	0.13
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	1	0.13
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	1	0.13
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	1	0.13
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	1	0.13
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	1	0.13
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG2	1	0.13
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG3	1	0.13
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG2	13	0.13
(2,845)	1:707:A:ARG:H	1:707:A:ARG:HG3	13	0.13
(2,828)	1:705:A:VAL:HG11	1:709:A:ARG:HD2	13	0.13
(2,828)	1:705:A:VAL:HG11	1:709:A:ARG:HD3	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,828)	1:705:A:VAL:HG12	1:709:A:ARG:HD2	13	0.13
(2,828)	1:705:A:VAL:HG12	1:709:A:ARG:HD3	13	0.13
(2,828)	1:705:A:VAL:HG13	1:709:A:ARG:HD2	13	0.13
(2,828)	1:705:A:VAL:HG13	1:709:A:ARG:HD3	13	0.13
(2,821)	1:705:A:VAL:H	1:702:A:LEU:HA	2	0.13
(2,810)	1:704:A:LEU:H	1:701:A:VAL:HA	3	0.13
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE1	8	0.13
(2,803)	1:702:A:LEU:HD11	1:699:A:PHE:HE2	8	0.13
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE1	8	0.13
(2,803)	1:702:A:LEU:HD12	1:699:A:PHE:HE2	8	0.13
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE1	8	0.13
(2,803)	1:702:A:LEU:HD13	1:699:A:PHE:HE2	8	0.13
(2,797)	1:701:A:VAL:HG11	1:698:A:VAL:HA	2	0.13
(2,797)	1:701:A:VAL:HG12	1:698:A:VAL:HA	2	0.13
(2,797)	1:701:A:VAL:HG13	1:698:A:VAL:HA	2	0.13
(2,794)	1:701:A:VAL:H	1:698:A:VAL:HA	12	0.13
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD1	5	0.13
(2,782)	1:698:A:VAL:HG11	1:699:A:PHE:HD2	5	0.13
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD1	5	0.13
(2,782)	1:698:A:VAL:HG12	1:699:A:PHE:HD2	5	0.13
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD1	5	0.13
(2,782)	1:698:A:VAL:HG13	1:699:A:PHE:HD2	5	0.13
(2,780)	1:698:A:VAL:HG11	1:695:A:LEU:HA	4	0.13
(2,780)	1:698:A:VAL:HG12	1:695:A:LEU:HA	4	0.13
(2,780)	1:698:A:VAL:HG13	1:695:A:LEU:HA	4	0.13
(2,780)	1:698:A:VAL:HG11	1:695:A:LEU:HA	10	0.13
(2,780)	1:698:A:VAL:HG12	1:695:A:LEU:HA	10	0.13
(2,780)	1:698:A:VAL:HG13	1:695:A:LEU:HA	10	0.13
(2,770)	1:695:A:LEU:HD21	1:698:A:VAL:HB	3	0.13
(2,770)	1:695:A:LEU:HD22	1:698:A:VAL:HB	3	0.13
(2,770)	1:695:A:LEU:HD23	1:698:A:VAL:HB	3	0.13
(2,768)	1:695:A:LEU:HD11	1:691:A:SER:HB2	13	0.13
(2,768)	1:695:A:LEU:HD11	1:691:A:SER:HB3	13	0.13
(2,768)	1:695:A:LEU:HD12	1:691:A:SER:HB2	13	0.13
(2,768)	1:695:A:LEU:HD12	1:691:A:SER:HB3	13	0.13
(2,768)	1:695:A:LEU:HD13	1:691:A:SER:HB2	13	0.13
(2,768)	1:695:A:LEU:HD13	1:691:A:SER:HB3	13	0.13
(2,761)	1:693:A:ILE:HD11	1:697:A:ILE:H	3	0.13
(2,761)	1:693:A:ILE:HD12	1:697:A:ILE:H	3	0.13
(2,761)	1:693:A:ILE:HD13	1:697:A:ILE:H	3	0.13
(2,747)	1:687:A:ILE:HG21	1:691:A:SER:HG	11	0.13
(2,747)	1:687:A:ILE:HG22	1:691:A:SER:HG	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,747)	1:687:A:ILE:HG23	1:691:A:SER:HG	11	0.13
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	5	0.13
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	5	0.13
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	5	0.13
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	5	0.13
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	5	0.13
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	5	0.13
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD11	12	0.13
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD12	12	0.13
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD13	12	0.13
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD21	12	0.13
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD22	12	0.13
(2,710)	1:678:A:TRP:HE1	1:679:A:LEU:HD23	12	0.13
(2,705)	1:676:A:THR:HG21	1:681:A:TYR:HH	7	0.13
(2,705)	1:676:A:THR:HG22	1:681:A:TYR:HH	7	0.13
(2,705)	1:676:A:THR:HG23	1:681:A:TYR:HH	7	0.13
(2,701)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	12	0.13
(2,701)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	12	0.13
(2,701)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	12	0.13
(2,684)	1:670:A:TRP:H	1:667:A:ALA:HA	13	0.13
(2,683)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	14	0.13
(2,683)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	14	0.13
(2,683)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	14	0.13
(2,683)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	14	0.13
(2,683)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	14	0.13
(2,683)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	14	0.13
(2,670)	1:667:A:ALA:H	1:666:A:TRP:HD1	3	0.13
(2,666)	1:666:A:TRP:HE1	1:662:A:GLU:H	12	0.13
(2,654)	1:665:A:LYS:H	1:664:A:ASP:HA	9	0.13
(2,653)	1:665:A:LYS:H	1:662:A:GLU:HA	1	0.13
(2,653)	1:665:A:LYS:H	1:662:A:GLU:HA	12	0.13
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	5	0.13
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	5	0.13
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	5	0.13
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	5	0.13
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	5	0.13
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	5	0.13
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	5	0.13
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	5	0.13
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	5	0.13
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	5	0.13
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	5	0.13
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	15	0.13
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	15	0.13
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	15	0.13
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	15	0.13
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	15	0.13
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	15	0.13
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	15	0.13
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	15	0.13
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	15	0.13
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	15	0.13
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	15	0.13
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	15	0.13
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	7	0.13
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	7	0.13
(2,630)	1:835:B:GLY:H	1:834:B:GLN:HE21	14	0.13
(2,630)	1:835:B:GLY:H	1:834:B:GLN:HE22	14	0.13
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD11	4	0.13
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD12	4	0.13
(2,627)	1:819:B:ALA:H	1:820:B:ILE:HD13	4	0.13
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB2	5	0.13
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB3	5	0.13
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB2	12	0.13
(2,625)	1:806:B:GLU:H	1:803:B:TRP:HB3	12	0.13
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	8	0.13
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	8	0.13
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	8	0.13
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	8	0.13
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	8	0.13
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	8	0.13
(2,618)	1:797:B:TRP:H	1:796:B:TRP:HD1	15	0.13
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD21	13	0.13
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD22	13	0.13
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD23	13	0.13
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	6	0.13
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	6	0.13
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	6	0.13
(2,615)	1:796:B:TRP:HE1	1:796:B:TRP:H	6	0.13
(2,615)	1:796:B:TRP:HE1	1:796:B:TRP:H	14	0.13
(2,601)	1:785:B:LEU:H	1:782:B:VAL:HA	4	0.13
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	2	0.13
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	4	0.13
(2,576)	1:781:B:ILE:H	1:780:B:ARG:HA	1	0.13
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	2	0.13
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD2	14	0.13
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD3	14	0.13
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD2	14	0.13
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD3	14	0.13
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD2	14	0.13
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD3	14	0.13
(2,545)	1:775:B:LEU:HD11	1:772:B:ARG:HA	14	0.13
(2,545)	1:775:B:LEU:HD12	1:772:B:ARG:HA	14	0.13
(2,545)	1:775:B:LEU:HD13	1:772:B:ARG:HA	14	0.13
(2,541)	1:775:B:LEU:H	1:774:B:LEU:HA	3	0.13
(2,530)	1:773:B:ASP:H	1:770:B:ARG:HA	11	0.13
(2,522)	1:764:B:SER:H	1:761:B:ARG:HA	12	0.13
(2,507)	1:755:B:LEU:HD21	1:759:B:ASP:HB3	4	0.13
(2,507)	1:755:B:LEU:HD22	1:759:B:ASP:HB3	4	0.13
(2,507)	1:755:B:LEU:HD23	1:759:B:ASP:HB3	4	0.13
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	7	0.13
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	7	0.13
(2,473)	1:746:B:ILE:HG21	1:750:B:ASN:HD22	13	0.13
(2,473)	1:746:B:ILE:HG22	1:750:B:ASN:HD22	13	0.13
(2,473)	1:746:B:ILE:HG23	1:750:B:ASN:HD22	13	0.13
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB2	11	0.13
(2,471)	1:746:B:ILE:HD11	1:743:B:ASP:HB3	11	0.13
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB2	11	0.13
(2,471)	1:746:B:ILE:HD12	1:743:B:ASP:HB3	11	0.13
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB2	11	0.13
(2,471)	1:746:B:ILE:HD13	1:743:B:ASP:HB3	11	0.13
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB2	15	0.13
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB3	15	0.13
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	1	0.13
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	1	0.13
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	13	0.13
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	13	0.13
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	3	0.13
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	3	0.13
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	3	0.13
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	3	0.13
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	3	0.13
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	3	0.13
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	6	0.13
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	6	0.13
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	6	0.13
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	6	0.13
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	6	0.13
(2,390)	1:704:B:LEU:H	1:704:B:LEU:HB3	10	0.13
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD1	14	0.13
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD2	14	0.13
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD1	14	0.13
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD2	14	0.13
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD1	14	0.13
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD2	14	0.13
(2,358)	1:698:B:VAL:HG11	1:702:B:LEU:HB2	14	0.13
(2,358)	1:698:B:VAL:HG11	1:702:B:LEU:HB3	14	0.13
(2,358)	1:698:B:VAL:HG12	1:702:B:LEU:HB2	14	0.13
(2,358)	1:698:B:VAL:HG12	1:702:B:LEU:HB3	14	0.13
(2,358)	1:698:B:VAL:HG13	1:702:B:LEU:HB2	14	0.13
(2,358)	1:698:B:VAL:HG13	1:702:B:LEU:HB3	14	0.13
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG2	13	0.13
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG3	13	0.13
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG2	13	0.13
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG3	13	0.13
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG2	13	0.13
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG3	13	0.13
(2,338)	1:693:B:ILE:HG21	1:693:B:ILE:H	10	0.13
(2,338)	1:693:B:ILE:HG22	1:693:B:ILE:H	10	0.13
(2,338)	1:693:B:ILE:HG23	1:693:B:ILE:H	10	0.13
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD1	1	0.13
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD2	1	0.13
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD1	1	0.13
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD2	1	0.13
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD1	1	0.13
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD2	1	0.13
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD1	6	0.13
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD2	6	0.13
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD1	6	0.13
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD2	6	0.13
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD1	6	0.13
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD2	6	0.13
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD1	11	0.13
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD2	11	0.13
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD1	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD2	11	0.13
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD1	11	0.13
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD2	11	0.13
(2,304)	1:684:B:ILE:HG21	1:685:B:PHE:HB2	9	0.13
(2,304)	1:684:B:ILE:HG21	1:685:B:PHE:HB3	9	0.13
(2,304)	1:684:B:ILE:HG22	1:685:B:PHE:HB2	9	0.13
(2,304)	1:684:B:ILE:HG22	1:685:B:PHE:HB3	9	0.13
(2,304)	1:684:B:ILE:HG23	1:685:B:PHE:HB2	9	0.13
(2,304)	1:684:B:ILE:HG23	1:685:B:PHE:HB3	9	0.13
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD11	8	0.13
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD12	8	0.13
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD13	8	0.13
(2,288)	1:679:B:LEU:HD11	1:678:B:TRP:HH2	3	0.13
(2,288)	1:679:B:LEU:HD12	1:678:B:TRP:HH2	3	0.13
(2,288)	1:679:B:LEU:HD13	1:678:B:TRP:HH2	3	0.13
(2,288)	1:679:B:LEU:HD21	1:678:B:TRP:HH2	3	0.13
(2,288)	1:679:B:LEU:HD22	1:678:B:TRP:HH2	3	0.13
(2,288)	1:679:B:LEU:HD23	1:678:B:TRP:HH2	3	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD11	6	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD12	6	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD13	6	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD21	6	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD22	6	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD23	6	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD11	13	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD12	13	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD13	13	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD21	13	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD22	13	0.13
(2,285)	1:678:B:TRP:HE1	1:679:B:LEU:HD23	13	0.13
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	14	0.13
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	14	0.13
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	14	0.13
(2,277)	1:676:B:THR:HG21	1:669:B:LEU:HA	6	0.13
(2,277)	1:676:B:THR:HG22	1:669:B:LEU:HA	6	0.13
(2,277)	1:676:B:THR:HG23	1:669:B:LEU:HA	6	0.13
(2,276)	1:676:B:THR:HG21	1:666:B:TRP:HZ3	7	0.13
(2,276)	1:676:B:THR:HG22	1:666:B:TRP:HZ3	7	0.13
(2,276)	1:676:B:THR:HG23	1:666:B:TRP:HZ3	7	0.13
(2,272)	1:674:B:ASP:H	1:677:B:ASN:H	2	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	2	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	2	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	2	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	2	0.13
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	2	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD11	1	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD12	1	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD13	1	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD21	1	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD22	1	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD23	1	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD11	6	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD12	6	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD13	6	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD21	6	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD22	6	0.13
(2,264)	1:670:B:TRP:HE1	1:669:B:LEU:HD23	6	0.13
(2,253)	1:669:B:LEU:H	1:666:B:TRP:HA	10	0.13
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD11	7	0.13
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD12	7	0.13
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD13	7	0.13
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD21	7	0.13
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD22	7	0.13
(2,248)	1:667:B:ALA:HB1	1:663:B:LEU:HD23	7	0.13
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD11	7	0.13
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD12	7	0.13
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD13	7	0.13
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD21	7	0.13
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD22	7	0.13
(2,248)	1:667:B:ALA:HB2	1:663:B:LEU:HD23	7	0.13
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD11	7	0.13
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD12	7	0.13
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD13	7	0.13
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD21	7	0.13
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD22	7	0.13
(2,248)	1:667:B:ALA:HB3	1:663:B:LEU:HD23	7	0.13
(2,245)	1:667:B:ALA:H	1:666:B:TRP:HD1	3	0.13
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	4	0.13
(2,225)	1:664:B:ASP:H	1:663:B:LEU:H	7	0.13
(2,219)	1:663:B:LEU:H	1:664:B:ASP:H	7	0.13
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ1	7	0.13
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ2	7	0.13
(2,211)	1:839:B:ALA:H	1:808:B:LYS:HZ3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,207)	1:831:A:GLU:H	1:816:A:ASN:HD21	9	0.13
(2,207)	1:831:A:GLU:H	1:816:A:ASN:HD22	9	0.13
(2,206)	1:831:A:GLU:H	1:816:A:ASN:HD21	9	0.13
(2,206)	1:831:A:GLU:H	1:816:A:ASN:HD22	9	0.13
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG12	10	0.13
(2,204)	1:827:A:ASP:H	1:820:A:ILE:HG13	10	0.13
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG12	10	0.13
(2,203)	1:827:A:ASP:H	1:820:A:ILE:HG13	10	0.13
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD11	14	0.13
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD12	14	0.13
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD13	14	0.13
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB2	8	0.13
(2,169)	1:797:B:TRP:HE1	1:848:B:ARG:HB3	8	0.13
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB2	13	0.13
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB3	13	0.13
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	3	0.13
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	3	0.13
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	3	0.13
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	3	0.13
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	3	0.13
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	3	0.13
(2,102)	1:759:A:ASP:H	1:709:B:ARG:HD2	14	0.13
(2,102)	1:759:A:ASP:H	1:709:B:ARG:HD3	14	0.13
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD21	4	0.13
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD22	4	0.13
(2,99)	1:758:A:ASP:H	1:715:B:LEU:HD23	4	0.13
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD2	10	0.13
(2,84)	1:709:A:ARG:H	1:714:B:PRO:HD3	10	0.13
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	10	0.13
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	10	0.13
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	10	0.13
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	10	0.13
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	10	0.13
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	10	0.13
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD1	8	0.13
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD2	8	0.13
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD1	8	0.13
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD2	8	0.13
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD1	8	0.13
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD2	8	0.13
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	8	0.13
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	8	0.13
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	9	0.13
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	9	0.13
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	9	0.13
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	14	0.13
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	14	0.13
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	14	0.13
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG21	2	0.13
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG22	2	0.13
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG23	2	0.13
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG21	2	0.13
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG22	2	0.13
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG23	2	0.13
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG21	2	0.13
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG22	2	0.13
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG23	2	0.13
(2,22)	1:678:B:TRP:HE1	1:687:A:ILE:HD11	8	0.13
(2,22)	1:678:B:TRP:HE1	1:687:A:ILE:HD12	8	0.13
(2,22)	1:678:B:TRP:HE1	1:687:A:ILE:HD13	8	0.13
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	3	0.13
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	3	0.13
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB2	4	0.13
(2,5)	1:663:A:LEU:H	1:661:A:LEU:HB3	4	0.13
(1,257)	1:850:B:GLY:O	1:854:B:ILE:H	3	0.13
(1,247)	1:837:B:SER:O	1:841:B:ARG:H	2	0.13
(1,199)	1:803:B:TRP:O	1:807:B:LEU:H	4	0.13
(1,197)	1:802:B:TYR:O	1:806:B:GLU:H	2	0.13
(1,197)	1:802:B:TYR:O	1:806:B:GLU:H	4	0.13
(1,197)	1:802:B:TYR:O	1:806:B:GLU:H	7	0.13
(1,197)	1:802:B:TYR:O	1:806:B:GLU:H	15	0.13
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	7	0.13
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	10	0.13
(1,192)	1:799:B:LEU:O	1:803:B:TRP:N	3	0.13
(1,191)	1:799:B:LEU:O	1:803:B:TRP:H	5	0.13
(1,184)	1:795:B:TYR:O	1:799:B:LEU:N	13	0.13
(1,182)	1:794:B:LYS:O	1:798:B:ASN:N	5	0.13
(1,182)	1:794:B:LYS:O	1:798:B:ASN:N	15	0.13
(1,179)	1:793:B:LEU:O	1:797:B:TRP:H	10	0.13
(1,175)	1:791:B:GLU:O	1:795:B:TYR:H	3	0.13
(1,171)	1:850:B:GLY:O	1:854:B:ILE:H	3	0.13
(1,161)	1:837:B:SER:O	1:841:B:ARG:H	2	0.13
(1,113)	1:803:B:TRP:O	1:807:B:LEU:H	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:802:B:TYR:O	1:806:B:GLU:H	2	0.13
(1,111)	1:802:B:TYR:O	1:806:B:GLU:H	4	0.13
(1,111)	1:802:B:TYR:O	1:806:B:GLU:H	7	0.13
(1,111)	1:802:B:TYR:O	1:806:B:GLU:H	15	0.13
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	7	0.13
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	10	0.13
(1,106)	1:799:B:LEU:O	1:803:B:TRP:N	3	0.13
(1,105)	1:799:B:LEU:O	1:803:B:TRP:H	5	0.13
(1,98)	1:795:B:TYR:O	1:799:B:LEU:N	13	0.13
(1,96)	1:794:B:LYS:O	1:798:B:ASN:N	5	0.13
(1,96)	1:794:B:LYS:O	1:798:B:ASN:N	15	0.13
(1,93)	1:793:B:LEU:O	1:797:B:TRP:H	10	0.13
(1,89)	1:791:B:GLU:O	1:795:B:TYR:H	3	0.13
(1,85)	1:850:B:GLY:O	1:854:B:ILE:H	3	0.13
(1,75)	1:837:B:SER:O	1:841:B:ARG:H	2	0.13
(1,27)	1:803:B:TRP:O	1:807:B:LEU:H	4	0.13
(1,25)	1:802:B:TYR:O	1:806:B:GLU:H	2	0.13
(1,25)	1:802:B:TYR:O	1:806:B:GLU:H	4	0.13
(1,25)	1:802:B:TYR:O	1:806:B:GLU:H	7	0.13
(1,25)	1:802:B:TYR:O	1:806:B:GLU:H	15	0.13
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	7	0.13
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	10	0.13
(1,20)	1:799:B:LEU:O	1:803:B:TRP:N	3	0.13
(1,19)	1:799:B:LEU:O	1:803:B:TRP:H	5	0.13
(1,12)	1:795:B:TYR:O	1:799:B:LEU:N	13	0.13
(1,10)	1:794:B:LYS:O	1:798:B:ASN:N	5	0.13
(1,10)	1:794:B:LYS:O	1:798:B:ASN:N	15	0.13
(1,7)	1:793:B:LEU:O	1:797:B:TRP:H	10	0.13
(1,3)	1:791:B:GLU:O	1:795:B:TYR:H	3	0.13
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG11	1	0.12
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG12	1	0.12
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG13	1	0.12
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG21	1	0.12
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG22	1	0.12
(2,1478)	1:826:A:THR:H	1:822:A:VAL:HG23	1	0.12
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	6	0.12
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	6	0.12
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	6	0.12
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	11	0.12
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	11	0.12
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	11	0.12
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	5	0.12
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	5	0.12
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	5	0.12
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	5	0.12
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	5	0.12
(2,1463)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	5	0.12
(2,1439)	1:783:A:GLU:H	1:782:A:VAL:HA	14	0.12
(2,1437)	1:783:A:GLU:H	1:780:A:ARG:HA	2	0.12
(2,1426)	1:781:A:ILE:H	1:780:A:ARG:HA	1	0.12
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	15	0.12
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	15	0.12
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	15	0.12
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	15	0.12
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	15	0.12
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	15	0.12
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	15	0.12
(2,1376)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	15	0.12
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	15	0.12
(2,1376)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	15	0.12
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	15	0.12
(2,1376)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	15	0.12
(2,1371)	1:763:A:LEU:HD21	1:771:A:LEU:HB2	9	0.12
(2,1371)	1:763:A:LEU:HD21	1:771:A:LEU:HB3	9	0.12
(2,1371)	1:763:A:LEU:HD22	1:771:A:LEU:HB2	9	0.12
(2,1371)	1:763:A:LEU:HD22	1:771:A:LEU:HB3	9	0.12
(2,1371)	1:763:A:LEU:HD23	1:771:A:LEU:HB2	9	0.12
(2,1371)	1:763:A:LEU:HD23	1:771:A:LEU:HB3	9	0.12
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB1	11	0.12
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB2	11	0.12
(2,1359)	1:758:A:ASP:H	1:754:A:ALA:HB3	11	0.12
(2,1352)	1:755:A:LEU:H	1:752:A:SER:HA	8	0.12
(2,1351)	1:755:A:LEU:H	1:751:A:GLY:HA2	14	0.12
(2,1351)	1:755:A:LEU:H	1:751:A:GLY:HA3	14	0.12
(2,1350)	1:754:A:ALA:HB1	1:758:A:ASP:H	11	0.12
(2,1350)	1:754:A:ALA:HB2	1:758:A:ASP:H	11	0.12
(2,1350)	1:754:A:ALA:HB3	1:758:A:ASP:H	11	0.12
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	9	0.12
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	9	0.12
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	9	0.12
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	9	0.12
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	9	0.12
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB2	14	0.12
(2,1343)	1:754:A:ALA:H	1:750:A:ASN:HB3	14	0.12
(2,1329)	1:748:A:LEU:H	1:745:A:SER:HA	10	0.12
(2,1315)	1:746:A:ILE:H	1:743:A:ASP:HB2	8	0.12
(2,1315)	1:746:A:ILE:H	1:743:A:ASP:HB3	8	0.12
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	6	0.12
(2,1279)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	6	0.12
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	6	0.12
(2,1279)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	6	0.12
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	6	0.12
(2,1279)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	6	0.12
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD11	2	0.12
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD12	2	0.12
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD13	2	0.12
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD21	2	0.12
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD22	2	0.12
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD23	2	0.12
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	2	0.12
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	2	0.12
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	2	0.12
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	2	0.12
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	2	0.12
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	2	0.12
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	14	0.12
(2,1256)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	14	0.12
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	14	0.12
(2,1256)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	14	0.12
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	14	0.12
(2,1256)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	14	0.12
(2,1255)	1:705:A:VAL:HG21	1:702:A:LEU:HG	10	0.12
(2,1255)	1:705:A:VAL:HG22	1:702:A:LEU:HG	10	0.12
(2,1255)	1:705:A:VAL:HG23	1:702:A:LEU:HG	10	0.12
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	2	0.12
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	2	0.12
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	2	0.12
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	2	0.12
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	2	0.12
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	2	0.12
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	7	0.12
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	7	0.12
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	7	0.12
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	7	0.12
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	7	0.12
(2,1205)	1:698:A:VAL:HG11	1:695:A:LEU:HA	11	0.12
(2,1205)	1:698:A:VAL:HG12	1:695:A:LEU:HA	11	0.12
(2,1205)	1:698:A:VAL:HG13	1:695:A:LEU:HA	11	0.12
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	11	0.12
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	11	0.12
(2,1204)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	11	0.12
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	11	0.12
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	11	0.12
(2,1204)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	11	0.12
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	11	0.12
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	11	0.12
(2,1204)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	11	0.12
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	14	0.12
(2,1194)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	14	0.12
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	14	0.12
(2,1194)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	14	0.12
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	14	0.12
(2,1194)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	14	0.12
(2,1193)	1:695:A:LEU:HD11	1:691:A:SER:HB2	6	0.12
(2,1193)	1:695:A:LEU:HD11	1:691:A:SER:HB3	6	0.12
(2,1193)	1:695:A:LEU:HD12	1:691:A:SER:HB2	6	0.12
(2,1193)	1:695:A:LEU:HD12	1:691:A:SER:HB3	6	0.12
(2,1193)	1:695:A:LEU:HD13	1:691:A:SER:HB2	6	0.12
(2,1193)	1:695:A:LEU:HD13	1:691:A:SER:HB3	6	0.12
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	8	0.12
(2,1155)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	8	0.12
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	8	0.12
(2,1155)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	8	0.12
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	8	0.12
(2,1155)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	8	0.12
(2,1143)	1:682:A:ILE:HG21	1:679:A:LEU:H	8	0.12
(2,1143)	1:682:A:ILE:HG22	1:679:A:LEU:H	8	0.12
(2,1143)	1:682:A:ILE:HG23	1:679:A:LEU:H	8	0.12
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD11	15	0.12
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD12	15	0.12
(2,1140)	1:680:A:TRP:HE1	1:684:A:ILE:HD13	15	0.12
(2,1136)	1:678:A:TRP:HE1	1:682:A:ILE:H	12	0.12
(2,1126)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	6	0.12
(2,1126)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	6	0.12
(2,1126)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1118)	1:672:A:TRP:H	1:673:A:PHE:H	15	0.12
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	6	0.12
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	6	0.12
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	6	0.12
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	6	0.12
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	6	0.12
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	6	0.12
(2,1108)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	10	0.12
(2,1108)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	10	0.12
(2,1108)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	10	0.12
(2,1108)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	10	0.12
(2,1108)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	10	0.12
(2,1108)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	10	0.12
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD11	9	0.12
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD12	9	0.12
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD13	9	0.12
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD21	9	0.12
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD22	9	0.12
(2,1098)	1:667:A:ALA:HB1	1:663:A:LEU:HD23	9	0.12
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD11	9	0.12
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD12	9	0.12
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD13	9	0.12
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD21	9	0.12
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD22	9	0.12
(2,1098)	1:667:A:ALA:HB2	1:663:A:LEU:HD23	9	0.12
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD11	9	0.12
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD12	9	0.12
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD13	9	0.12
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD21	9	0.12
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD22	9	0.12
(2,1098)	1:667:A:ALA:HB3	1:663:A:LEU:HD23	9	0.12
(2,1097)	1:667:A:ALA:HB1	1:664:A:ASP:HA	3	0.12
(2,1097)	1:667:A:ALA:HB2	1:664:A:ASP:HA	3	0.12
(2,1097)	1:667:A:ALA:HB3	1:664:A:ASP:HA	3	0.12
(2,1097)	1:667:A:ALA:HB1	1:664:A:ASP:HA	13	0.12
(2,1097)	1:667:A:ALA:HB2	1:664:A:ASP:HA	13	0.12
(2,1097)	1:667:A:ALA:HB3	1:664:A:ASP:HA	13	0.12
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG11	1	0.12
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG12	1	0.12
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG13	1	0.12
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG21	1	0.12
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG22	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1053)	1:826:A:THR:H	1:822:A:VAL:HG23	1	0.12
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	6	0.12
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	6	0.12
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	6	0.12
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	11	0.12
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	11	0.12
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	11	0.12
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	8	0.12
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD11	5	0.12
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD12	5	0.12
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD13	5	0.12
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD21	5	0.12
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD22	5	0.12
(2,1038)	1:790:A:TRP:HE1	1:793:A:LEU:HD23	5	0.12
(2,1014)	1:783:A:GLU:H	1:782:A:VAL:HA	14	0.12
(2,1012)	1:783:A:GLU:H	1:780:A:ARG:HA	2	0.12
(2,1001)	1:781:A:ILE:H	1:780:A:ARG:HA	1	0.12
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	15	0.12
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	15	0.12
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	15	0.12
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	15	0.12
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	15	0.12
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	15	0.12
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE1	15	0.12
(2,951)	1:771:A:LEU:HD11	1:768:A:TYR:HE2	15	0.12
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE1	15	0.12
(2,951)	1:771:A:LEU:HD12	1:768:A:TYR:HE2	15	0.12
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE1	15	0.12
(2,951)	1:771:A:LEU:HD13	1:768:A:TYR:HE2	15	0.12
(2,946)	1:763:A:LEU:HD21	1:771:A:LEU:HB2	9	0.12
(2,946)	1:763:A:LEU:HD21	1:771:A:LEU:HB3	9	0.12
(2,946)	1:763:A:LEU:HD22	1:771:A:LEU:HB2	9	0.12
(2,946)	1:763:A:LEU:HD22	1:771:A:LEU:HB3	9	0.12
(2,946)	1:763:A:LEU:HD23	1:771:A:LEU:HB2	9	0.12
(2,946)	1:763:A:LEU:HD23	1:771:A:LEU:HB3	9	0.12
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB1	11	0.12
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB2	11	0.12
(2,934)	1:758:A:ASP:H	1:754:A:ALA:HB3	11	0.12
(2,927)	1:755:A:LEU:H	1:752:A:SER:HA	8	0.12
(2,926)	1:755:A:LEU:H	1:751:A:GLY:HA2	14	0.12
(2,926)	1:755:A:LEU:H	1:751:A:GLY:HA3	14	0.12
(2,925)	1:754:A:ALA:HB1	1:758:A:ASP:H	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,925)	1:754:A:ALA:HB2	1:758:A:ASP:H	11	0.12
(2,925)	1:754:A:ALA:HB3	1:758:A:ASP:H	11	0.12
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	9	0.12
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	9	0.12
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	9	0.12
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	9	0.12
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	9	0.12
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	9	0.12
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB2	14	0.12
(2,918)	1:754:A:ALA:H	1:750:A:ASN:HB3	14	0.12
(2,904)	1:748:A:LEU:H	1:745:A:SER:HA	10	0.12
(2,890)	1:746:A:ILE:H	1:743:A:ASP:HB2	8	0.12
(2,890)	1:746:A:ILE:H	1:743:A:ASP:HB3	8	0.12
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD2	6	0.12
(2,854)	1:708:A:VAL:HG21	1:707:A:ARG:HD3	6	0.12
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD2	6	0.12
(2,854)	1:708:A:VAL:HG22	1:707:A:ARG:HD3	6	0.12
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD2	6	0.12
(2,854)	1:708:A:VAL:HG23	1:707:A:ARG:HD3	6	0.12
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD11	2	0.12
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD12	2	0.12
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD13	2	0.12
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD21	2	0.12
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD22	2	0.12
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD23	2	0.12
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	2	0.12
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	2	0.12
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	2	0.12
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	2	0.12
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	2	0.12
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	2	0.12
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB2	14	0.12
(2,831)	1:705:A:VAL:HG21	1:706:A:ASN:HB3	14	0.12
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB2	14	0.12
(2,831)	1:705:A:VAL:HG22	1:706:A:ASN:HB3	14	0.12
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB2	14	0.12
(2,831)	1:705:A:VAL:HG23	1:706:A:ASN:HB3	14	0.12
(2,830)	1:705:A:VAL:HG21	1:702:A:LEU:HG	10	0.12
(2,830)	1:705:A:VAL:HG22	1:702:A:LEU:HG	10	0.12
(2,830)	1:705:A:VAL:HG23	1:702:A:LEU:HG	10	0.12
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	2	0.12
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	2	0.12
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	2	0.12
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	2	0.12
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	2	0.12
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	7	0.12
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	7	0.12
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	7	0.12
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	7	0.12
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	7	0.12
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	7	0.12
(2,780)	1:698:A:VAL:HG11	1:695:A:LEU:HA	11	0.12
(2,780)	1:698:A:VAL:HG12	1:695:A:LEU:HA	11	0.12
(2,780)	1:698:A:VAL:HG13	1:695:A:LEU:HA	11	0.12
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB1	11	0.12
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB2	11	0.12
(2,779)	1:697:A:ILE:HG21	1:700:A:ALA:HB3	11	0.12
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB1	11	0.12
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB2	11	0.12
(2,779)	1:697:A:ILE:HG22	1:700:A:ALA:HB3	11	0.12
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB1	11	0.12
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB2	11	0.12
(2,779)	1:697:A:ILE:HG23	1:700:A:ALA:HB3	11	0.12
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD2	14	0.12
(2,769)	1:695:A:LEU:HD21	1:696:A:ARG:HD3	14	0.12
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD2	14	0.12
(2,769)	1:695:A:LEU:HD22	1:696:A:ARG:HD3	14	0.12
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD2	14	0.12
(2,769)	1:695:A:LEU:HD23	1:696:A:ARG:HD3	14	0.12
(2,768)	1:695:A:LEU:HD11	1:691:A:SER:HB2	6	0.12
(2,768)	1:695:A:LEU:HD11	1:691:A:SER:HB3	6	0.12
(2,768)	1:695:A:LEU:HD12	1:691:A:SER:HB2	6	0.12
(2,768)	1:695:A:LEU:HD12	1:691:A:SER:HB3	6	0.12
(2,768)	1:695:A:LEU:HD13	1:691:A:SER:HB2	6	0.12
(2,768)	1:695:A:LEU:HD13	1:691:A:SER:HB3	6	0.12
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD1	8	0.12
(2,730)	1:684:A:ILE:HG21	1:685:A:PHE:HD2	8	0.12
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD1	8	0.12
(2,730)	1:684:A:ILE:HG22	1:685:A:PHE:HD2	8	0.12
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD1	8	0.12
(2,730)	1:684:A:ILE:HG23	1:685:A:PHE:HD2	8	0.12
(2,718)	1:682:A:ILE:HG21	1:679:A:LEU:H	8	0.12
(2,718)	1:682:A:ILE:HG22	1:679:A:LEU:H	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,718)	1:682:A:ILE:HG23	1:679:A:LEU:H	8	0.12
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD11	15	0.12
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD12	15	0.12
(2,715)	1:680:A:TRP:HE1	1:684:A:ILE:HD13	15	0.12
(2,711)	1:678:A:TRP:HE1	1:682:A:ILE:H	12	0.12
(2,701)	1:676:A:THR:HG21	1:666:A:TRP:HZ3	6	0.12
(2,701)	1:676:A:THR:HG22	1:666:A:TRP:HZ3	6	0.12
(2,701)	1:676:A:THR:HG23	1:666:A:TRP:HZ3	6	0.12
(2,693)	1:672:A:TRP:H	1:673:A:PHE:H	15	0.12
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	6	0.12
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	6	0.12
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	6	0.12
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	6	0.12
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	6	0.12
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	6	0.12
(2,683)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	10	0.12
(2,683)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	10	0.12
(2,683)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	10	0.12
(2,683)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	10	0.12
(2,683)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	10	0.12
(2,683)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	10	0.12
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD11	9	0.12
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD12	9	0.12
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD13	9	0.12
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD21	9	0.12
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD22	9	0.12
(2,673)	1:667:A:ALA:HB1	1:663:A:LEU:HD23	9	0.12
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD11	9	0.12
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD12	9	0.12
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD13	9	0.12
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD21	9	0.12
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD22	9	0.12
(2,673)	1:667:A:ALA:HB2	1:663:A:LEU:HD23	9	0.12
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD11	9	0.12
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD12	9	0.12
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD13	9	0.12
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD21	9	0.12
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD22	9	0.12
(2,673)	1:667:A:ALA:HB3	1:663:A:LEU:HD23	9	0.12
(2,672)	1:667:A:ALA:HB1	1:664:A:ASP:HA	3	0.12
(2,672)	1:667:A:ALA:HB2	1:664:A:ASP:HA	3	0.12
(2,672)	1:667:A:ALA:HB3	1:664:A:ASP:HA	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:667:A:ALA:HB1	1:664:A:ASP:HA	13	0.12
(2,672)	1:667:A:ALA:HB2	1:664:A:ASP:HA	13	0.12
(2,672)	1:667:A:ALA:HB3	1:664:A:ASP:HA	13	0.12
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD2	3	0.12
(2,631)	1:839:B:ALA:H	1:838:B:ARG:HD3	3	0.12
(2,615)	1:796:B:TRP:HE1	1:796:B:TRP:H	1	0.12
(2,608)	1:786:B:GLY:H	1:782:B:VAL:HA	14	0.12
(2,601)	1:785:B:LEU:H	1:782:B:VAL:HA	9	0.12
(2,599)	1:784:B:LEU:HD11	1:787:B:ARG:HD2	9	0.12
(2,599)	1:784:B:LEU:HD11	1:787:B:ARG:HD3	9	0.12
(2,599)	1:784:B:LEU:HD12	1:787:B:ARG:HD2	9	0.12
(2,599)	1:784:B:LEU:HD12	1:787:B:ARG:HD3	9	0.12
(2,599)	1:784:B:LEU:HD13	1:787:B:ARG:HD2	9	0.12
(2,599)	1:784:B:LEU:HD13	1:787:B:ARG:HD3	9	0.12
(2,593)	1:784:B:LEU:H	1:781:B:ILE:HA	9	0.12
(2,593)	1:784:B:LEU:H	1:781:B:ILE:HA	10	0.12
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD2	4	0.12
(2,588)	1:783:B:GLU:H	1:780:B:ARG:HD3	4	0.12
(2,587)	1:783:B:GLU:H	1:780:B:ARG:HA	2	0.12
(2,587)	1:783:B:GLU:H	1:780:B:ARG:HA	14	0.12
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	11	0.12
(2,565)	1:779:B:THR:H	1:776:B:LEU:HA	11	0.12
(2,541)	1:775:B:LEU:H	1:774:B:LEU:HA	15	0.12
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD2	9	0.12
(2,531)	1:773:B:ASP:H	1:770:B:ARG:HD3	9	0.12
(2,528)	1:772:B:ARG:H	1:771:B:LEU:H	11	0.12
(2,524)	1:771:B:LEU:H	1:772:B:ARG:H	11	0.12
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE1	8	0.12
(2,520)	1:763:B:LEU:HD21	1:768:B:TYR:HE2	8	0.12
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE1	8	0.12
(2,520)	1:763:B:LEU:HD22	1:768:B:TYR:HE2	8	0.12
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE1	8	0.12
(2,520)	1:763:B:LEU:HD23	1:768:B:TYR:HE2	8	0.12
(2,519)	1:763:B:LEU:HD11	1:764:B:SER:HG	10	0.12
(2,519)	1:763:B:LEU:HD12	1:764:B:SER:HG	10	0.12
(2,519)	1:763:B:LEU:HD13	1:764:B:SER:HG	10	0.12
(2,499)	1:754:B:ALA:HB1	1:753:B:LEU:HD21	10	0.12
(2,499)	1:754:B:ALA:HB1	1:753:B:LEU:HD22	10	0.12
(2,499)	1:754:B:ALA:HB1	1:753:B:LEU:HD23	10	0.12
(2,499)	1:754:B:ALA:HB2	1:753:B:LEU:HD21	10	0.12
(2,499)	1:754:B:ALA:HB2	1:753:B:LEU:HD22	10	0.12
(2,499)	1:754:B:ALA:HB2	1:753:B:LEU:HD23	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,499)	1:754:B:ALA:HB3	1:753:B:LEU:HD21	10	0.12
(2,499)	1:754:B:ALA:HB3	1:753:B:LEU:HD22	10	0.12
(2,499)	1:754:B:ALA:HB3	1:753:B:LEU:HD23	10	0.12
(2,485)	1:753:B:LEU:H	1:750:B:ASN:HA	12	0.12
(2,473)	1:746:B:ILE:HG21	1:750:B:ASN:HD22	7	0.12
(2,473)	1:746:B:ILE:HG22	1:750:B:ASN:HD22	7	0.12
(2,473)	1:746:B:ILE:HG23	1:750:B:ASN:HD22	7	0.12
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB2	8	0.12
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB3	8	0.12
(2,439)	1:710:B:GLN:H	1:708:B:VAL:HA	4	0.12
(2,407)	1:706:B:ASN:H	1:703:B:SER:HA	13	0.12
(2,403)	1:705:B:VAL:HG11	1:709:B:ARG:HD2	3	0.12
(2,403)	1:705:B:VAL:HG11	1:709:B:ARG:HD3	3	0.12
(2,403)	1:705:B:VAL:HG12	1:709:B:ARG:HD2	3	0.12
(2,403)	1:705:B:VAL:HG12	1:709:B:ARG:HD3	3	0.12
(2,403)	1:705:B:VAL:HG13	1:709:B:ARG:HD2	3	0.12
(2,403)	1:705:B:VAL:HG13	1:709:B:ARG:HD3	3	0.12
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD1	11	0.12
(2,377)	1:702:B:LEU:HD11	1:699:B:PHE:HD2	11	0.12
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD1	11	0.12
(2,377)	1:702:B:LEU:HD12	1:699:B:PHE:HD2	11	0.12
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD1	11	0.12
(2,377)	1:702:B:LEU:HD13	1:699:B:PHE:HD2	11	0.12
(2,358)	1:698:B:VAL:HG11	1:702:B:LEU:HB2	1	0.12
(2,358)	1:698:B:VAL:HG11	1:702:B:LEU:HB3	1	0.12
(2,358)	1:698:B:VAL:HG12	1:702:B:LEU:HB2	1	0.12
(2,358)	1:698:B:VAL:HG12	1:702:B:LEU:HB3	1	0.12
(2,358)	1:698:B:VAL:HG13	1:702:B:LEU:HB2	1	0.12
(2,358)	1:698:B:VAL:HG13	1:702:B:LEU:HB3	1	0.12
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD1	12	0.12
(2,357)	1:698:B:VAL:HG11	1:699:B:PHE:HD2	12	0.12
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD1	12	0.12
(2,357)	1:698:B:VAL:HG12	1:699:B:PHE:HD2	12	0.12
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD1	12	0.12
(2,357)	1:698:B:VAL:HG13	1:699:B:PHE:HD2	12	0.12
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	2	0.12
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	2	0.12
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	2	0.12
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	13	0.12
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	13	0.12
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	13	0.12
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA2	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA3	14	0.12
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA2	14	0.12
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA3	14	0.12
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA2	14	0.12
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA3	14	0.12
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG2	3	0.12
(2,340)	1:693:B:ILE:HG21	1:696:B:ARG:HG3	3	0.12
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG2	3	0.12
(2,340)	1:693:B:ILE:HG22	1:696:B:ARG:HG3	3	0.12
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG2	3	0.12
(2,340)	1:693:B:ILE:HG23	1:696:B:ARG:HG3	3	0.12
(2,336)	1:693:B:ILE:HD11	1:697:B:ILE:H	12	0.12
(2,336)	1:693:B:ILE:HD12	1:697:B:ILE:H	12	0.12
(2,336)	1:693:B:ILE:HD13	1:697:B:ILE:H	12	0.12
(2,330)	1:692:B:LEU:HD11	1:689:B:VAL:HA	3	0.12
(2,330)	1:692:B:LEU:HD12	1:689:B:VAL:HA	3	0.12
(2,330)	1:692:B:LEU:HD13	1:689:B:VAL:HA	3	0.12
(2,327)	1:689:B:VAL:HG21	1:685:B:PHE:HE1	14	0.12
(2,327)	1:689:B:VAL:HG21	1:685:B:PHE:HE2	14	0.12
(2,327)	1:689:B:VAL:HG22	1:685:B:PHE:HE1	14	0.12
(2,327)	1:689:B:VAL:HG22	1:685:B:PHE:HE2	14	0.12
(2,327)	1:689:B:VAL:HG23	1:685:B:PHE:HE1	14	0.12
(2,327)	1:689:B:VAL:HG23	1:685:B:PHE:HE2	14	0.12
(2,324)	1:688:B:ILE:HG21	1:692:B:LEU:HG	4	0.12
(2,324)	1:688:B:ILE:HG22	1:692:B:LEU:HG	4	0.12
(2,324)	1:688:B:ILE:HG23	1:692:B:LEU:HG	4	0.12
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	8	0.12
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	8	0.12
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	8	0.12
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	8	0.12
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	8	0.12
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	8	0.12
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB2	11	0.12
(2,297)	1:682:B:ILE:HD11	1:685:B:PHE:HB3	11	0.12
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB2	11	0.12
(2,297)	1:682:B:ILE:HD12	1:685:B:PHE:HB3	11	0.12
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB2	11	0.12
(2,297)	1:682:B:ILE:HD13	1:685:B:PHE:HB3	11	0.12
(2,296)	1:682:B:ILE:HD11	1:681:B:TYR:H	7	0.12
(2,296)	1:682:B:ILE:HD12	1:681:B:TYR:H	7	0.12
(2,296)	1:682:B:ILE:HD13	1:681:B:TYR:H	7	0.12
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD11	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD12	13	0.12
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD13	13	0.12
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	12	0.12
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	12	0.12
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	12	0.12
(2,280)	1:676:B:THR:HG21	1:681:B:TYR:HH	4	0.12
(2,280)	1:676:B:THR:HG22	1:681:B:TYR:HH	4	0.12
(2,280)	1:676:B:THR:HG23	1:681:B:TYR:HH	4	0.12
(2,276)	1:676:B:THR:HG21	1:666:B:TRP:HZ3	1	0.12
(2,276)	1:676:B:THR:HG22	1:666:B:TRP:HZ3	1	0.12
(2,276)	1:676:B:THR:HG23	1:666:B:TRP:HZ3	1	0.12
(2,276)	1:676:B:THR:HG21	1:666:B:TRP:HZ3	5	0.12
(2,276)	1:676:B:THR:HG22	1:666:B:TRP:HZ3	5	0.12
(2,276)	1:676:B:THR:HG23	1:666:B:TRP:HZ3	5	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	3	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	3	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	3	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	3	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	3	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	3	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	4	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	4	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	4	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	4	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	4	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	4	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	6	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	6	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	6	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	6	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	6	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	6	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD11	14	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD12	14	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD13	14	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD21	14	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD22	14	0.12
(2,269)	1:672:B:TRP:HE1	1:669:B:LEU:HD23	14	0.12
(2,268)	1:672:B:TRP:H	1:673:B:PHE:H	1	0.12
(2,259)	1:670:B:TRP:H	1:667:B:ALA:HA	13	0.12
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	11	0.12
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG12	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,202)	1:827:B:ASP:H	1:820:B:ILE:HG13	12	0.12
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD11	8	0.12
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD12	8	0.12
(2,198)	1:826:A:THR:H	1:820:A:ILE:HD13	8	0.12
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD11	8	0.12
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD12	8	0.12
(2,197)	1:826:A:THR:H	1:820:A:ILE:HD13	8	0.12
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD11	7	0.12
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD12	7	0.12
(2,196)	1:826:B:THR:H	1:820:B:ILE:HD13	7	0.12
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	14	0.12
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	14	0.12
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD2	2	0.12
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD3	2	0.12
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD2	10	0.12
(2,186)	1:808:A:LYS:H	1:838:A:ARG:HD3	10	0.12
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD2	2	0.12
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD3	2	0.12
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD2	10	0.12
(2,185)	1:808:A:LYS:H	1:838:A:ARG:HD3	10	0.12
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	3	0.12
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	15	0.12
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	15	0.12
(2,153)	1:792:A:ALA:H	1:752:B:SER:HB2	10	0.12
(2,153)	1:792:A:ALA:H	1:752:B:SER:HB3	10	0.12
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	5	0.12
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	5	0.12
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	5	0.12
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	5	0.12
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	5	0.12
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	5	0.12
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB2	5	0.12
(2,62)	1:700:A:ALA:HB1	1:702:A:LEU:HB3	5	0.12
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB2	5	0.12
(2,62)	1:700:A:ALA:HB2	1:702:A:LEU:HB3	5	0.12
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB2	5	0.12
(2,62)	1:700:A:ALA:HB3	1:702:A:LEU:HB3	5	0.12
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD1	6	0.12
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD2	6	0.12
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD1	6	0.12
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD2	6	0.12
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD1	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD2	6	0.12
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD1	15	0.12
(2,60)	1:700:A:ALA:HB1	1:699:B:PHE:HD2	15	0.12
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD1	15	0.12
(2,60)	1:700:A:ALA:HB2	1:699:B:PHE:HD2	15	0.12
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD1	15	0.12
(2,60)	1:700:A:ALA:HB3	1:699:B:PHE:HD2	15	0.12
(2,48)	1:693:A:ILE:HD11	1:696:B:ARG:HH21	11	0.12
(2,48)	1:693:A:ILE:HD11	1:696:B:ARG:HH22	11	0.12
(2,48)	1:693:A:ILE:HD12	1:696:B:ARG:HH21	11	0.12
(2,48)	1:693:A:ILE:HD12	1:696:B:ARG:HH22	11	0.12
(2,48)	1:693:A:ILE:HD13	1:696:B:ARG:HH21	11	0.12
(2,48)	1:693:A:ILE:HD13	1:696:B:ARG:HH22	11	0.12
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG21	5	0.12
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG22	5	0.12
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG23	5	0.12
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG21	5	0.12
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG22	5	0.12
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG23	5	0.12
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG21	5	0.12
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG22	5	0.12
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG23	5	0.12
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG21	13	0.12
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG22	13	0.12
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG23	13	0.12
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG21	13	0.12
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG22	13	0.12
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG23	13	0.12
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG21	13	0.12
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG22	13	0.12
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG23	13	0.12
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD11	15	0.12
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD12	15	0.12
(2,30)	1:687:A:ILE:H	1:686:B:ILE:HD13	15	0.12
(2,19)	1:678:B:TRP:HE1	1:683:A:ARG:HE	11	0.12
(2,13)	1:666:B:TRP:HE1	1:666:A:TRP:HD1	11	0.12
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	9	0.12
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	9	0.12
(1,257)	1:850:B:GLY:O	1:854:B:ILE:H	8	0.12
(1,257)	1:850:B:GLY:O	1:854:B:ILE:H	11	0.12
(1,249)	1:846:B:ARG:O	1:850:B:GLY:H	10	0.12
(1,243)	1:835:B:GLY:O	1:839:B:ALA:H	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,239)	1:833:B:VAL:O	1:837:B:SER:H	5	0.12
(1,233)	1:830:B:ILE:O	1:834:B:GLN:H	2	0.12
(1,233)	1:830:B:ILE:O	1:834:B:GLN:H	5	0.12
(1,228)	1:827:B:ASP:O	1:831:B:GLU:N	6	0.12
(1,225)	1:826:B:THR:O	1:830:B:ILE:H	15	0.12
(1,219)	1:813:B:SER:O	1:817:B:ALA:H	7	0.12
(1,213)	1:810:B:SER:O	1:814:B:LEU:H	8	0.12
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	1	0.12
(1,195)	1:801:B:GLN:O	1:805:B:GLN:H	2	0.12
(1,192)	1:799:B:LEU:O	1:803:B:TRP:N	6	0.12
(1,192)	1:799:B:LEU:O	1:803:B:TRP:N	7	0.12
(1,189)	1:798:B:ASN:O	1:802:B:TYR:H	10	0.12
(1,187)	1:797:B:TRP:O	1:801:B:GLN:H	9	0.12
(1,187)	1:797:B:TRP:O	1:801:B:GLN:H	13	0.12
(1,184)	1:795:B:TYR:O	1:799:B:LEU:N	5	0.12
(1,177)	1:792:B:ALA:O	1:796:B:TRP:H	1	0.12
(1,177)	1:792:B:ALA:O	1:796:B:TRP:H	4	0.12
(1,171)	1:850:B:GLY:O	1:854:B:ILE:H	8	0.12
(1,171)	1:850:B:GLY:O	1:854:B:ILE:H	11	0.12
(1,163)	1:846:B:ARG:O	1:850:B:GLY:H	10	0.12
(1,157)	1:835:B:GLY:O	1:839:B:ALA:H	11	0.12
(1,153)	1:833:B:VAL:O	1:837:B:SER:H	5	0.12
(1,147)	1:830:B:ILE:O	1:834:B:GLN:H	2	0.12
(1,147)	1:830:B:ILE:O	1:834:B:GLN:H	5	0.12
(1,142)	1:827:B:ASP:O	1:831:B:GLU:N	6	0.12
(1,139)	1:826:B:THR:O	1:830:B:ILE:H	15	0.12
(1,133)	1:813:B:SER:O	1:817:B:ALA:H	7	0.12
(1,127)	1:810:B:SER:O	1:814:B:LEU:H	8	0.12
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	1	0.12
(1,109)	1:801:B:GLN:O	1:805:B:GLN:H	2	0.12
(1,106)	1:799:B:LEU:O	1:803:B:TRP:N	6	0.12
(1,106)	1:799:B:LEU:O	1:803:B:TRP:N	7	0.12
(1,103)	1:798:B:ASN:O	1:802:B:TYR:H	10	0.12
(1,101)	1:797:B:TRP:O	1:801:B:GLN:H	9	0.12
(1,101)	1:797:B:TRP:O	1:801:B:GLN:H	13	0.12
(1,98)	1:795:B:TYR:O	1:799:B:LEU:N	5	0.12
(1,91)	1:792:B:ALA:O	1:796:B:TRP:H	1	0.12
(1,91)	1:792:B:ALA:O	1:796:B:TRP:H	4	0.12
(1,85)	1:850:B:GLY:O	1:854:B:ILE:H	8	0.12
(1,85)	1:850:B:GLY:O	1:854:B:ILE:H	11	0.12
(1,77)	1:846:B:ARG:O	1:850:B:GLY:H	10	0.12
(1,71)	1:835:B:GLY:O	1:839:B:ALA:H	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:833:B:VAL:O	1:837:B:SER:H	5	0.12
(1,61)	1:830:B:ILE:O	1:834:B:GLN:H	2	0.12
(1,61)	1:830:B:ILE:O	1:834:B:GLN:H	5	0.12
(1,56)	1:827:B:ASP:O	1:831:B:GLU:N	6	0.12
(1,53)	1:826:B:THR:O	1:830:B:ILE:H	15	0.12
(1,47)	1:813:B:SER:O	1:817:B:ALA:H	7	0.12
(1,41)	1:810:B:SER:O	1:814:B:LEU:H	8	0.12
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	1	0.12
(1,23)	1:801:B:GLN:O	1:805:B:GLN:H	2	0.12
(1,20)	1:799:B:LEU:O	1:803:B:TRP:N	6	0.12
(1,20)	1:799:B:LEU:O	1:803:B:TRP:N	7	0.12
(1,17)	1:798:B:ASN:O	1:802:B:TYR:H	10	0.12
(1,15)	1:797:B:TRP:O	1:801:B:GLN:H	9	0.12
(1,15)	1:797:B:TRP:O	1:801:B:GLN:H	13	0.12
(1,12)	1:795:B:TYR:O	1:799:B:LEU:N	5	0.12
(1,5)	1:792:B:ALA:O	1:796:B:TRP:H	1	0.12
(1,5)	1:792:B:ALA:O	1:796:B:TRP:H	4	0.12
(2,1482)	1:852:A:GLU:H	1:848:A:ARG:HG2	13	0.11
(2,1482)	1:852:A:GLU:H	1:848:A:ARG:HG3	13	0.11
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD2	10	0.11
(2,1481)	1:839:A:ALA:H	1:838:A:ARG:HD3	10	0.11
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG2	14	0.11
(2,1479)	1:835:A:GLY:H	1:834:A:GLN:HG3	14	0.11
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB2	3	0.11
(2,1475)	1:806:A:GLU:H	1:803:A:TRP:HB3	3	0.11
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	11	0.11
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	11	0.11
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	11	0.11
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	11	0.11
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	11	0.11
(2,1474)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	11	0.11
(2,1436)	1:782:A:VAL:HG21	1:779:A:THR:HA	13	0.11
(2,1436)	1:782:A:VAL:HG22	1:779:A:THR:HA	13	0.11
(2,1436)	1:782:A:VAL:HG23	1:779:A:THR:HA	13	0.11
(2,1391)	1:775:A:LEU:H	1:774:A:LEU:HA	7	0.11
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	2	0.11
(2,1364)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	2	0.11
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	2	0.11
(2,1364)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	2	0.11
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	2	0.11
(2,1364)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	2	0.11
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	6	0.11
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	6	0.11
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	6	0.11
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	6	0.11
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	6	0.11
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	10	0.11
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	10	0.11
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	10	0.11
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	10	0.11
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	10	0.11
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	10	0.11
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	13	0.11
(2,1348)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	13	0.11
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	13	0.11
(2,1348)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	13	0.11
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	13	0.11
(2,1348)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	13	0.11
(2,1329)	1:748:A:LEU:H	1:745:A:SER:HA	4	0.11
(2,1329)	1:748:A:LEU:H	1:745:A:SER:HA	11	0.11
(2,1322)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	2	0.11
(2,1322)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	2	0.11
(2,1322)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	2	0.11
(2,1322)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	9	0.11
(2,1322)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	9	0.11
(2,1322)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	9	0.11
(2,1294)	1:710:A:GLN:H	1:710:A:GLN:HB3	11	0.11
(2,1290)	1:710:A:GLN:H	1:709:A:ARG:HA	13	0.11
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB2	14	0.11
(2,1280)	1:708:A:VAL:HG21	1:745:A:SER:HB3	14	0.11
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB2	14	0.11
(2,1280)	1:708:A:VAL:HG22	1:745:A:SER:HB3	14	0.11
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB2	14	0.11
(2,1280)	1:708:A:VAL:HG23	1:745:A:SER:HB3	14	0.11
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD2	5	0.11
(2,1271)	1:707:A:ARG:H	1:707:A:ARG:HD3	5	0.11
(2,1264)	1:707:A:ARG:H	1:704:A:LEU:HA	10	0.11
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB2	13	0.11
(2,1263)	1:707:A:ARG:H	1:703:A:SER:HB3	13	0.11
(2,1246)	1:705:A:VAL:H	1:702:A:LEU:HA	4	0.11
(2,1246)	1:705:A:VAL:H	1:702:A:LEU:HA	13	0.11
(2,1246)	1:705:A:VAL:H	1:702:A:LEU:HA	14	0.11
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1243)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	10	0.11
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	10	0.11
(2,1243)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	10	0.11
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	10	0.11
(2,1243)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	10	0.11
(2,1224)	1:702:A:LEU:H	1:699:A:PHE:HA	11	0.11
(2,1223)	1:701:A:VAL:HG21	1:698:A:VAL:HA	15	0.11
(2,1223)	1:701:A:VAL:HG22	1:698:A:VAL:HA	15	0.11
(2,1223)	1:701:A:VAL:HG23	1:698:A:VAL:HA	15	0.11
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	7	0.11
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	7	0.11
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	7	0.11
(2,1202)	1:697:A:ILE:HG21	1:694:A:GLY:HA2	7	0.11
(2,1202)	1:697:A:ILE:HG21	1:694:A:GLY:HA3	7	0.11
(2,1202)	1:697:A:ILE:HG22	1:694:A:GLY:HA2	7	0.11
(2,1202)	1:697:A:ILE:HG22	1:694:A:GLY:HA3	7	0.11
(2,1202)	1:697:A:ILE:HG23	1:694:A:GLY:HA2	7	0.11
(2,1202)	1:697:A:ILE:HG23	1:694:A:GLY:HA3	7	0.11
(2,1195)	1:695:A:LEU:HD21	1:698:A:VAL:HB	6	0.11
(2,1195)	1:695:A:LEU:HD22	1:698:A:VAL:HB	6	0.11
(2,1195)	1:695:A:LEU:HD23	1:698:A:VAL:HB	6	0.11
(2,1188)	1:693:A:ILE:HG21	1:693:A:ILE:H	13	0.11
(2,1188)	1:693:A:ILE:HG22	1:693:A:ILE:H	13	0.11
(2,1188)	1:693:A:ILE:HG23	1:693:A:ILE:H	13	0.11
(2,1182)	1:692:A:LEU:HD11	1:691:A:SER:HB2	8	0.11
(2,1182)	1:692:A:LEU:HD11	1:691:A:SER:HB3	8	0.11
(2,1182)	1:692:A:LEU:HD12	1:691:A:SER:HB2	8	0.11
(2,1182)	1:692:A:LEU:HD12	1:691:A:SER:HB3	8	0.11
(2,1182)	1:692:A:LEU:HD13	1:691:A:SER:HB2	8	0.11
(2,1182)	1:692:A:LEU:HD13	1:691:A:SER:HB3	8	0.11
(2,1180)	1:692:A:LEU:HD11	1:689:A:VAL:HA	11	0.11
(2,1180)	1:692:A:LEU:HD12	1:689:A:VAL:HA	11	0.11
(2,1180)	1:692:A:LEU:HD13	1:689:A:VAL:HA	11	0.11
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	6	0.11
(2,1177)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	6	0.11
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	6	0.11
(2,1177)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	6	0.11
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	6	0.11
(2,1177)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	6	0.11
(2,1173)	1:688:A:ILE:HD11	1:684:A:ILE:HD11	14	0.11
(2,1173)	1:688:A:ILE:HD11	1:684:A:ILE:HD12	14	0.11
(2,1173)	1:688:A:ILE:HD11	1:684:A:ILE:HD13	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1173)	1:688:A:ILE:HD12	1:684:A:ILE:HD11	14	0.11
(2,1173)	1:688:A:ILE:HD12	1:684:A:ILE:HD12	14	0.11
(2,1173)	1:688:A:ILE:HD12	1:684:A:ILE:HD13	14	0.11
(2,1173)	1:688:A:ILE:HD13	1:684:A:ILE:HD11	14	0.11
(2,1173)	1:688:A:ILE:HD13	1:684:A:ILE:HD12	14	0.11
(2,1173)	1:688:A:ILE:HD13	1:684:A:ILE:HD13	14	0.11
(2,1168)	1:686:A:ILE:HD11	1:685:A:PHE:H	13	0.11
(2,1168)	1:686:A:ILE:HD12	1:685:A:PHE:H	13	0.11
(2,1168)	1:686:A:ILE:HD13	1:685:A:PHE:H	13	0.11
(2,1167)	1:686:A:ILE:HD11	1:683:A:ARG:HA	13	0.11
(2,1167)	1:686:A:ILE:HD12	1:683:A:ARG:HA	13	0.11
(2,1167)	1:686:A:ILE:HD13	1:683:A:ARG:HA	13	0.11
(2,1151)	1:684:A:ILE:HD11	1:681:A:TYR:HA	15	0.11
(2,1151)	1:684:A:ILE:HD12	1:681:A:TYR:HA	15	0.11
(2,1151)	1:684:A:ILE:HD13	1:681:A:TYR:HA	15	0.11
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	5	0.11
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	5	0.11
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	5	0.11
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	5	0.11
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	5	0.11
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	5	0.11
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	10	0.11
(2,1147)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	10	0.11
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	10	0.11
(2,1147)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	10	0.11
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	10	0.11
(2,1147)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	10	0.11
(2,1142)	1:681:A:TYR:H	1:682:A:ILE:H	9	0.11
(2,1142)	1:681:A:TYR:H	1:682:A:ILE:H	11	0.11
(2,1139)	1:680:A:TRP:HE1	1:683:A:ARG:HH21	2	0.11
(2,1139)	1:680:A:TRP:HE1	1:683:A:ARG:HH22	2	0.11
(2,1138)	1:679:A:LEU:HD11	1:678:A:TRP:HH2	10	0.11
(2,1138)	1:679:A:LEU:HD12	1:678:A:TRP:HH2	10	0.11
(2,1138)	1:679:A:LEU:HD13	1:678:A:TRP:HH2	10	0.11
(2,1138)	1:679:A:LEU:HD21	1:678:A:TRP:HH2	10	0.11
(2,1138)	1:679:A:LEU:HD22	1:678:A:TRP:HH2	10	0.11
(2,1138)	1:679:A:LEU:HD23	1:678:A:TRP:HH2	10	0.11
(2,1136)	1:678:A:TRP:HE1	1:682:A:ILE:H	1	0.11
(2,1119)	1:672:A:TRP:HE1	1:669:A:LEU:HD11	15	0.11
(2,1119)	1:672:A:TRP:HE1	1:669:A:LEU:HD12	15	0.11
(2,1119)	1:672:A:TRP:HE1	1:669:A:LEU:HD13	15	0.11
(2,1119)	1:672:A:TRP:HE1	1:669:A:LEU:HD21	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1119)	1:672:A:TRP:HE1	1:669:A:LEU:HD22	15	0.11
(2,1119)	1:672:A:TRP:HE1	1:669:A:LEU:HD23	15	0.11
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	12	0.11
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	12	0.11
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	12	0.11
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	12	0.11
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	12	0.11
(2,1114)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	12	0.11
(2,1113)	1:670:A:TRP:HE1	1:667:A:ALA:HB1	10	0.11
(2,1113)	1:670:A:TRP:HE1	1:667:A:ALA:HB2	10	0.11
(2,1113)	1:670:A:TRP:HE1	1:667:A:ALA:HB3	10	0.11
(2,1108)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	1	0.11
(2,1108)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	1	0.11
(2,1108)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	1	0.11
(2,1108)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	1	0.11
(2,1108)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	1	0.11
(2,1108)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	1	0.11
(2,1108)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	8	0.11
(2,1108)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	8	0.11
(2,1108)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	8	0.11
(2,1108)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	8	0.11
(2,1108)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	8	0.11
(2,1108)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	8	0.11
(2,1097)	1:667:A:ALA:HB1	1:664:A:ASP:HA	14	0.11
(2,1097)	1:667:A:ALA:HB2	1:664:A:ASP:HA	14	0.11
(2,1097)	1:667:A:ALA:HB3	1:664:A:ASP:HA	14	0.11
(2,1097)	1:667:A:ALA:HB1	1:664:A:ASP:HA	15	0.11
(2,1097)	1:667:A:ALA:HB2	1:664:A:ASP:HA	15	0.11
(2,1097)	1:667:A:ALA:HB3	1:664:A:ASP:HA	15	0.11
(2,1092)	1:667:A:ALA:H	1:664:A:ASP:HA	10	0.11
(2,1091)	1:666:A:TRP:HE1	1:662:A:GLU:H	5	0.11
(2,1078)	1:665:A:LYS:H	1:662:A:GLU:HA	7	0.11
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	1	0.11
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	6	0.11
(2,1074)	1:664:A:ASP:H	1:663:A:LEU:HA	7	0.11
(2,1057)	1:852:A:GLU:H	1:848:A:ARG:HG2	13	0.11
(2,1057)	1:852:A:GLU:H	1:848:A:ARG:HG3	13	0.11
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD2	10	0.11
(2,1056)	1:839:A:ALA:H	1:838:A:ARG:HD3	10	0.11
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG2	14	0.11
(2,1054)	1:835:A:GLY:H	1:834:A:GLN:HG3	14	0.11
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB2	3	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1050)	1:806:A:GLU:H	1:803:A:TRP:HB3	3	0.11
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD11	11	0.11
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD12	11	0.11
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD13	11	0.11
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD21	11	0.11
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD22	11	0.11
(2,1049)	1:803:A:TRP:HE1	1:800:A:LEU:HD23	11	0.11
(2,1011)	1:782:A:VAL:HG21	1:779:A:THR:HA	13	0.11
(2,1011)	1:782:A:VAL:HG22	1:779:A:THR:HA	13	0.11
(2,1011)	1:782:A:VAL:HG23	1:779:A:THR:HA	13	0.11
(2,966)	1:775:A:LEU:H	1:774:A:LEU:HA	7	0.11
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG12	2	0.11
(2,939)	1:760:A:LEU:HD11	1:756:A:ILE:HG13	2	0.11
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG12	2	0.11
(2,939)	1:760:A:LEU:HD12	1:756:A:ILE:HG13	2	0.11
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG12	2	0.11
(2,939)	1:760:A:LEU:HD13	1:756:A:ILE:HG13	2	0.11
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	6	0.11
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	6	0.11
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	6	0.11
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	6	0.11
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	6	0.11
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	6	0.11
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	10	0.11
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	10	0.11
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	10	0.11
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	10	0.11
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	10	0.11
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	10	0.11
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA2	13	0.11
(2,923)	1:754:A:ALA:HB1	1:751:A:GLY:HA3	13	0.11
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA2	13	0.11
(2,923)	1:754:A:ALA:HB2	1:751:A:GLY:HA3	13	0.11
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA2	13	0.11
(2,923)	1:754:A:ALA:HB3	1:751:A:GLY:HA3	13	0.11
(2,904)	1:748:A:LEU:H	1:745:A:SER:HA	4	0.11
(2,904)	1:748:A:LEU:H	1:745:A:SER:HA	11	0.11
(2,897)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	2	0.11
(2,897)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	2	0.11
(2,897)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	2	0.11
(2,897)	1:746:A:ILE:HG21	1:750:A:ASN:HD21	9	0.11
(2,897)	1:746:A:ILE:HG22	1:750:A:ASN:HD21	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,897)	1:746:A:ILE:HG23	1:750:A:ASN:HD21	9	0.11
(2,869)	1:710:A:GLN:H	1:710:A:GLN:HB3	11	0.11
(2,865)	1:710:A:GLN:H	1:709:A:ARG:HA	13	0.11
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB2	14	0.11
(2,855)	1:708:A:VAL:HG21	1:745:A:SER:HB3	14	0.11
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB2	14	0.11
(2,855)	1:708:A:VAL:HG22	1:745:A:SER:HB3	14	0.11
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB2	14	0.11
(2,855)	1:708:A:VAL:HG23	1:745:A:SER:HB3	14	0.11
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD2	5	0.11
(2,846)	1:707:A:ARG:H	1:707:A:ARG:HD3	5	0.11
(2,839)	1:707:A:ARG:H	1:704:A:LEU:HA	10	0.11
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB2	13	0.11
(2,838)	1:707:A:ARG:H	1:703:A:SER:HB3	13	0.11
(2,821)	1:705:A:VAL:H	1:702:A:LEU:HA	4	0.11
(2,821)	1:705:A:VAL:H	1:702:A:LEU:HA	13	0.11
(2,821)	1:705:A:VAL:H	1:702:A:LEU:HA	14	0.11
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD2	10	0.11
(2,818)	1:704:A:LEU:HD11	1:707:A:ARG:HD3	10	0.11
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD2	10	0.11
(2,818)	1:704:A:LEU:HD12	1:707:A:ARG:HD3	10	0.11
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD2	10	0.11
(2,818)	1:704:A:LEU:HD13	1:707:A:ARG:HD3	10	0.11
(2,799)	1:702:A:LEU:H	1:699:A:PHE:HA	11	0.11
(2,798)	1:701:A:VAL:HG21	1:698:A:VAL:HA	15	0.11
(2,798)	1:701:A:VAL:HG22	1:698:A:VAL:HA	15	0.11
(2,798)	1:701:A:VAL:HG23	1:698:A:VAL:HA	15	0.11
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	7	0.11
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	7	0.11
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	7	0.11
(2,777)	1:697:A:ILE:HG21	1:694:A:GLY:HA2	7	0.11
(2,777)	1:697:A:ILE:HG21	1:694:A:GLY:HA3	7	0.11
(2,777)	1:697:A:ILE:HG22	1:694:A:GLY:HA2	7	0.11
(2,777)	1:697:A:ILE:HG22	1:694:A:GLY:HA3	7	0.11
(2,777)	1:697:A:ILE:HG23	1:694:A:GLY:HA2	7	0.11
(2,777)	1:697:A:ILE:HG23	1:694:A:GLY:HA3	7	0.11
(2,770)	1:695:A:LEU:HD21	1:698:A:VAL:HB	6	0.11
(2,770)	1:695:A:LEU:HD22	1:698:A:VAL:HB	6	0.11
(2,770)	1:695:A:LEU:HD23	1:698:A:VAL:HB	6	0.11
(2,763)	1:693:A:ILE:HG21	1:693:A:ILE:H	13	0.11
(2,763)	1:693:A:ILE:HG22	1:693:A:ILE:H	13	0.11
(2,763)	1:693:A:ILE:HG23	1:693:A:ILE:H	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,757)	1:692:A:LEU:HD11	1:691:A:SER:HB2	8	0.11
(2,757)	1:692:A:LEU:HD11	1:691:A:SER:HB3	8	0.11
(2,757)	1:692:A:LEU:HD12	1:691:A:SER:HB2	8	0.11
(2,757)	1:692:A:LEU:HD12	1:691:A:SER:HB3	8	0.11
(2,757)	1:692:A:LEU:HD13	1:691:A:SER:HB2	8	0.11
(2,757)	1:692:A:LEU:HD13	1:691:A:SER:HB3	8	0.11
(2,755)	1:692:A:LEU:HD11	1:689:A:VAL:HA	11	0.11
(2,755)	1:692:A:LEU:HD12	1:689:A:VAL:HA	11	0.11
(2,755)	1:692:A:LEU:HD13	1:689:A:VAL:HA	11	0.11
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE1	6	0.11
(2,752)	1:689:A:VAL:HG21	1:685:A:PHE:HE2	6	0.11
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE1	6	0.11
(2,752)	1:689:A:VAL:HG22	1:685:A:PHE:HE2	6	0.11
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE1	6	0.11
(2,752)	1:689:A:VAL:HG23	1:685:A:PHE:HE2	6	0.11
(2,748)	1:688:A:ILE:HD11	1:684:A:ILE:HD11	14	0.11
(2,748)	1:688:A:ILE:HD11	1:684:A:ILE:HD12	14	0.11
(2,748)	1:688:A:ILE:HD11	1:684:A:ILE:HD13	14	0.11
(2,748)	1:688:A:ILE:HD12	1:684:A:ILE:HD11	14	0.11
(2,748)	1:688:A:ILE:HD12	1:684:A:ILE:HD12	14	0.11
(2,748)	1:688:A:ILE:HD12	1:684:A:ILE:HD13	14	0.11
(2,748)	1:688:A:ILE:HD13	1:684:A:ILE:HD11	14	0.11
(2,748)	1:688:A:ILE:HD13	1:684:A:ILE:HD12	14	0.11
(2,748)	1:688:A:ILE:HD13	1:684:A:ILE:HD13	14	0.11
(2,743)	1:686:A:ILE:HD11	1:685:A:PHE:H	13	0.11
(2,743)	1:686:A:ILE:HD12	1:685:A:PHE:H	13	0.11
(2,743)	1:686:A:ILE:HD13	1:685:A:PHE:H	13	0.11
(2,742)	1:686:A:ILE:HD11	1:683:A:ARG:HA	13	0.11
(2,742)	1:686:A:ILE:HD12	1:683:A:ARG:HA	13	0.11
(2,742)	1:686:A:ILE:HD13	1:683:A:ARG:HA	13	0.11
(2,726)	1:684:A:ILE:HD11	1:681:A:TYR:HA	15	0.11
(2,726)	1:684:A:ILE:HD12	1:681:A:TYR:HA	15	0.11
(2,726)	1:684:A:ILE:HD13	1:681:A:TYR:HA	15	0.11
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	5	0.11
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	5	0.11
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	5	0.11
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	5	0.11
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	5	0.11
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	5	0.11
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB2	10	0.11
(2,722)	1:682:A:ILE:HD11	1:685:A:PHE:HB3	10	0.11
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB2	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,722)	1:682:A:ILE:HD12	1:685:A:PHE:HB3	10	0.11
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB2	10	0.11
(2,722)	1:682:A:ILE:HD13	1:685:A:PHE:HB3	10	0.11
(2,717)	1:681:A:TYR:H	1:682:A:ILE:H	9	0.11
(2,717)	1:681:A:TYR:H	1:682:A:ILE:H	11	0.11
(2,714)	1:680:A:TRP:HE1	1:683:A:ARG:HH21	2	0.11
(2,714)	1:680:A:TRP:HE1	1:683:A:ARG:HH22	2	0.11
(2,713)	1:679:A:LEU:HD11	1:678:A:TRP:HH2	10	0.11
(2,713)	1:679:A:LEU:HD12	1:678:A:TRP:HH2	10	0.11
(2,713)	1:679:A:LEU:HD13	1:678:A:TRP:HH2	10	0.11
(2,713)	1:679:A:LEU:HD21	1:678:A:TRP:HH2	10	0.11
(2,713)	1:679:A:LEU:HD22	1:678:A:TRP:HH2	10	0.11
(2,713)	1:679:A:LEU:HD23	1:678:A:TRP:HH2	10	0.11
(2,711)	1:678:A:TRP:HE1	1:682:A:ILE:H	1	0.11
(2,694)	1:672:A:TRP:HE1	1:669:A:LEU:HD11	15	0.11
(2,694)	1:672:A:TRP:HE1	1:669:A:LEU:HD12	15	0.11
(2,694)	1:672:A:TRP:HE1	1:669:A:LEU:HD13	15	0.11
(2,694)	1:672:A:TRP:HE1	1:669:A:LEU:HD21	15	0.11
(2,694)	1:672:A:TRP:HE1	1:669:A:LEU:HD22	15	0.11
(2,694)	1:672:A:TRP:HE1	1:669:A:LEU:HD23	15	0.11
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD11	12	0.11
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD12	12	0.11
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD13	12	0.11
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD21	12	0.11
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD22	12	0.11
(2,689)	1:670:A:TRP:HE1	1:669:A:LEU:HD23	12	0.11
(2,688)	1:670:A:TRP:HE1	1:667:A:ALA:HB1	10	0.11
(2,688)	1:670:A:TRP:HE1	1:667:A:ALA:HB2	10	0.11
(2,688)	1:670:A:TRP:HE1	1:667:A:ALA:HB3	10	0.11
(2,683)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	1	0.11
(2,683)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	1	0.11
(2,683)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	1	0.11
(2,683)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	1	0.11
(2,683)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	1	0.11
(2,683)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	1	0.11
(2,683)	1:669:A:LEU:HD11	1:672:A:TRP:HZ3	8	0.11
(2,683)	1:669:A:LEU:HD12	1:672:A:TRP:HZ3	8	0.11
(2,683)	1:669:A:LEU:HD13	1:672:A:TRP:HZ3	8	0.11
(2,683)	1:669:A:LEU:HD21	1:672:A:TRP:HZ3	8	0.11
(2,683)	1:669:A:LEU:HD22	1:672:A:TRP:HZ3	8	0.11
(2,683)	1:669:A:LEU:HD23	1:672:A:TRP:HZ3	8	0.11
(2,672)	1:667:A:ALA:HB1	1:664:A:ASP:HA	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:667:A:ALA:HB2	1:664:A:ASP:HA	14	0.11
(2,672)	1:667:A:ALA:HB3	1:664:A:ASP:HA	14	0.11
(2,672)	1:667:A:ALA:HB1	1:664:A:ASP:HA	15	0.11
(2,672)	1:667:A:ALA:HB2	1:664:A:ASP:HA	15	0.11
(2,672)	1:667:A:ALA:HB3	1:664:A:ASP:HA	15	0.11
(2,667)	1:667:A:ALA:H	1:664:A:ASP:HA	10	0.11
(2,666)	1:666:A:TRP:HE1	1:662:A:GLU:H	5	0.11
(2,653)	1:665:A:LYS:H	1:662:A:GLU:HA	7	0.11
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	1	0.11
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	6	0.11
(2,649)	1:664:A:ASP:H	1:663:A:LEU:HA	7	0.11
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG11	6	0.11
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG12	6	0.11
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG13	6	0.11
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG21	6	0.11
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG22	6	0.11
(2,628)	1:826:B:THR:H	1:822:B:VAL:HG23	6	0.11
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD21	14	0.11
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD22	14	0.11
(2,617)	1:796:B:TRP:HE1	1:799:B:LEU:HD23	14	0.11
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	1	0.11
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	1	0.11
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	1	0.11
(2,600)	1:784:B:LEU:HD21	1:781:B:ILE:HA	9	0.11
(2,600)	1:784:B:LEU:HD22	1:781:B:ILE:HA	9	0.11
(2,600)	1:784:B:LEU:HD23	1:781:B:ILE:HA	9	0.11
(2,589)	1:783:B:GLU:H	1:782:B:VAL:HA	13	0.11
(2,586)	1:782:B:VAL:HG21	1:779:B:THR:HA	1	0.11
(2,586)	1:782:B:VAL:HG22	1:779:B:THR:HA	1	0.11
(2,586)	1:782:B:VAL:HG23	1:779:B:THR:HA	1	0.11
(2,586)	1:782:B:VAL:HG21	1:779:B:THR:HA	10	0.11
(2,586)	1:782:B:VAL:HG22	1:779:B:THR:HA	10	0.11
(2,586)	1:782:B:VAL:HG23	1:779:B:THR:HA	10	0.11
(2,580)	1:781:B:ILE:HG21	1:778:B:VAL:HA	2	0.11
(2,580)	1:781:B:ILE:HG22	1:778:B:VAL:HA	2	0.11
(2,580)	1:781:B:ILE:HG23	1:778:B:VAL:HA	2	0.11
(2,576)	1:781:B:ILE:H	1:780:B:ARG:HA	3	0.11
(2,576)	1:781:B:ILE:H	1:780:B:ARG:HA	8	0.11
(2,576)	1:781:B:ILE:H	1:780:B:ARG:HA	12	0.11
(2,576)	1:781:B:ILE:H	1:780:B:ARG:HA	14	0.11
(2,564)	1:778:B:VAL:HG21	1:775:B:LEU:HA	13	0.11
(2,564)	1:778:B:VAL:HG22	1:775:B:LEU:HA	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,564)	1:778:B:VAL:HG23	1:775:B:LEU:HA	13	0.11
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD2	15	0.11
(2,558)	1:777:B:ILE:HG21	1:780:B:ARG:HD3	15	0.11
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD2	15	0.11
(2,558)	1:777:B:ILE:HG22	1:780:B:ARG:HD3	15	0.11
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD2	15	0.11
(2,558)	1:777:B:ILE:HG23	1:780:B:ARG:HD3	15	0.11
(2,551)	1:776:B:LEU:HD11	1:773:B:ASP:HB2	9	0.11
(2,551)	1:776:B:LEU:HD11	1:773:B:ASP:HB3	9	0.11
(2,551)	1:776:B:LEU:HD12	1:773:B:ASP:HB2	9	0.11
(2,551)	1:776:B:LEU:HD12	1:773:B:ASP:HB3	9	0.11
(2,551)	1:776:B:LEU:HD13	1:773:B:ASP:HB2	9	0.11
(2,551)	1:776:B:LEU:HD13	1:773:B:ASP:HB3	9	0.11
(2,545)	1:775:B:LEU:HD11	1:772:B:ARG:HA	11	0.11
(2,545)	1:775:B:LEU:HD12	1:772:B:ARG:HA	11	0.11
(2,545)	1:775:B:LEU:HD13	1:772:B:ARG:HA	11	0.11
(2,526)	1:771:B:LEU:HD11	1:768:B:TYR:HE1	5	0.11
(2,526)	1:771:B:LEU:HD11	1:768:B:TYR:HE2	5	0.11
(2,526)	1:771:B:LEU:HD12	1:768:B:TYR:HE1	5	0.11
(2,526)	1:771:B:LEU:HD12	1:768:B:TYR:HE2	5	0.11
(2,526)	1:771:B:LEU:HD13	1:768:B:TYR:HE1	5	0.11
(2,526)	1:771:B:LEU:HD13	1:768:B:TYR:HE2	5	0.11
(2,518)	1:763:B:LEU:HD11	1:759:B:ASP:HA	9	0.11
(2,518)	1:763:B:LEU:HD12	1:759:B:ASP:HA	9	0.11
(2,518)	1:763:B:LEU:HD13	1:759:B:ASP:HA	9	0.11
(2,506)	1:755:B:LEU:H	1:756:B:ILE:H	12	0.11
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	12	0.11
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	12	0.11
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB2	13	0.11
(2,493)	1:754:B:ALA:H	1:750:B:ASN:HB3	13	0.11
(2,483)	1:749:B:VAL:H	1:748:B:LEU:HA	12	0.11
(2,479)	1:748:B:LEU:H	1:745:B:SER:HA	14	0.11
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB2	5	0.11
(2,465)	1:746:B:ILE:H	1:743:B:ASP:HB3	5	0.11
(2,429)	1:708:B:VAL:HG21	1:707:B:ARG:HD2	8	0.11
(2,429)	1:708:B:VAL:HG21	1:707:B:ARG:HD3	8	0.11
(2,429)	1:708:B:VAL:HG22	1:707:B:ARG:HD2	8	0.11
(2,429)	1:708:B:VAL:HG22	1:707:B:ARG:HD3	8	0.11
(2,429)	1:708:B:VAL:HG23	1:707:B:ARG:HD2	8	0.11
(2,429)	1:708:B:VAL:HG23	1:707:B:ARG:HD3	8	0.11
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD2	13	0.11
(2,421)	1:707:B:ARG:H	1:707:B:ARG:HD3	13	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB2	14	0.11
(2,413)	1:707:B:ARG:H	1:703:B:SER:HB3	14	0.11
(2,405)	1:705:B:VAL:HG21	1:702:B:LEU:HG	6	0.11
(2,405)	1:705:B:VAL:HG22	1:702:B:LEU:HG	6	0.11
(2,405)	1:705:B:VAL:HG23	1:702:B:LEU:HG	6	0.11
(2,405)	1:705:B:VAL:HG21	1:702:B:LEU:HG	7	0.11
(2,405)	1:705:B:VAL:HG22	1:702:B:LEU:HG	7	0.11
(2,405)	1:705:B:VAL:HG23	1:702:B:LEU:HG	7	0.11
(2,390)	1:704:B:LEU:H	1:704:B:LEU:HB3	12	0.11
(2,367)	1:700:B:ALA:HB1	1:697:B:ILE:HA	14	0.11
(2,367)	1:700:B:ALA:HB2	1:697:B:ILE:HA	14	0.11
(2,367)	1:700:B:ALA:HB3	1:697:B:ILE:HA	14	0.11
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	5	0.11
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	5	0.11
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	5	0.11
(2,355)	1:698:B:VAL:HG11	1:695:B:LEU:HA	2	0.11
(2,355)	1:698:B:VAL:HG12	1:695:B:LEU:HA	2	0.11
(2,355)	1:698:B:VAL:HG13	1:695:B:LEU:HA	2	0.11
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA2	7	0.11
(2,352)	1:697:B:ILE:HG21	1:694:B:GLY:HA3	7	0.11
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA2	7	0.11
(2,352)	1:697:B:ILE:HG22	1:694:B:GLY:HA3	7	0.11
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA2	7	0.11
(2,352)	1:697:B:ILE:HG23	1:694:B:GLY:HA3	7	0.11
(2,336)	1:693:B:ILE:HD11	1:697:B:ILE:H	13	0.11
(2,336)	1:693:B:ILE:HD12	1:697:B:ILE:H	13	0.11
(2,336)	1:693:B:ILE:HD13	1:697:B:ILE:H	13	0.11
(2,333)	1:692:B:LEU:HD12	1:696:B:ARG:HH11	1	0.11
(2,330)	1:692:B:LEU:HD11	1:689:B:VAL:HA	10	0.11
(2,330)	1:692:B:LEU:HD12	1:689:B:VAL:HA	10	0.11
(2,330)	1:692:B:LEU:HD13	1:689:B:VAL:HA	10	0.11
(2,324)	1:688:B:ILE:HG21	1:692:B:LEU:HG	13	0.11
(2,324)	1:688:B:ILE:HG22	1:692:B:LEU:HG	13	0.11
(2,324)	1:688:B:ILE:HG23	1:692:B:LEU:HG	13	0.11
(2,304)	1:684:B:ILE:HG21	1:685:B:PHE:HB2	7	0.11
(2,304)	1:684:B:ILE:HG21	1:685:B:PHE:HB3	7	0.11
(2,304)	1:684:B:ILE:HG22	1:685:B:PHE:HB2	7	0.11
(2,304)	1:684:B:ILE:HG22	1:685:B:PHE:HB3	7	0.11
(2,304)	1:684:B:ILE:HG23	1:685:B:PHE:HB2	7	0.11
(2,304)	1:684:B:ILE:HG23	1:685:B:PHE:HB3	7	0.11
(2,301)	1:684:B:ILE:HD11	1:681:B:TYR:HA	10	0.11
(2,301)	1:684:B:ILE:HD12	1:681:B:TYR:HA	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,301)	1:684:B:ILE:HD13	1:681:B:TYR:HA	10	0.11
(2,296)	1:682:B:ILE:HD11	1:681:B:TYR:H	4	0.11
(2,296)	1:682:B:ILE:HD12	1:681:B:TYR:H	4	0.11
(2,296)	1:682:B:ILE:HD13	1:681:B:TYR:H	4	0.11
(2,292)	1:681:B:TYR:H	1:682:B:ILE:H	9	0.11
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD11	1	0.11
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD12	1	0.11
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD13	1	0.11
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD11	15	0.11
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD12	15	0.11
(2,290)	1:680:B:TRP:HE1	1:684:B:ILE:HD13	15	0.11
(2,286)	1:678:B:TRP:HE1	1:682:B:ILE:H	4	0.11
(2,286)	1:678:B:TRP:HE1	1:682:B:ILE:H	15	0.11
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	8	0.11
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	8	0.11
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	8	0.11
(2,276)	1:676:B:THR:HG21	1:666:B:TRP:HZ3	14	0.11
(2,276)	1:676:B:THR:HG22	1:666:B:TRP:HZ3	14	0.11
(2,276)	1:676:B:THR:HG23	1:666:B:TRP:HZ3	14	0.11
(2,268)	1:672:B:TRP:H	1:673:B:PHE:H	11	0.11
(2,268)	1:672:B:TRP:H	1:673:B:PHE:H	15	0.11
(2,263)	1:670:B:TRP:HE1	1:667:B:ALA:HB1	7	0.11
(2,263)	1:670:B:TRP:HE1	1:667:B:ALA:HB2	7	0.11
(2,263)	1:670:B:TRP:HE1	1:667:B:ALA:HB3	7	0.11
(2,245)	1:667:B:ALA:H	1:666:B:TRP:HD1	8	0.11
(2,243)	1:667:B:ALA:H	1:666:B:TRP:HA	9	0.11
(2,242)	1:667:B:ALA:H	1:664:B:ASP:HA	8	0.11
(2,234)	1:666:B:TRP:H	1:663:B:LEU:HA	14	0.11
(2,233)	1:665:B:LYS:H	1:666:B:TRP:HD1	2	0.11
(2,228)	1:665:B:LYS:H	1:662:B:GLU:HA	12	0.11
(2,205)	1:831:B:GLU:H	1:816:B:ASN:HD21	13	0.11
(2,205)	1:831:B:GLU:H	1:816:B:ASN:HD22	13	0.11
(2,192)	1:816:A:ASN:H	1:831:A:GLU:HG2	6	0.11
(2,192)	1:816:A:ASN:H	1:831:A:GLU:HG3	6	0.11
(2,191)	1:816:A:ASN:H	1:831:A:GLU:HG2	6	0.11
(2,191)	1:816:A:ASN:H	1:831:A:GLU:HG3	6	0.11
(2,177)	1:803:A:TRP:HE1	1:764:B:SER:HG	11	0.11
(2,177)	1:803:A:TRP:HE1	1:764:B:SER:HG	12	0.11
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	15	0.11
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	15	0.11
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	15	0.11
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG12	6	0.11
(2,157)	1:794:B:LYS:H	1:847:B:ILE:HG13	6	0.11
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB2	4	0.11
(2,141)	1:771:B:LEU:H	1:806:A:GLU:HB3	4	0.11
(2,126)	1:785:A:LEU:HD21	1:749:B:VAL:HB	6	0.11
(2,126)	1:785:A:LEU:HD22	1:749:B:VAL:HB	6	0.11
(2,126)	1:785:A:LEU:HD23	1:749:B:VAL:HB	6	0.11
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB2	1	0.11
(2,118)	1:785:B:LEU:HD21	1:716:A:SER:HB3	1	0.11
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB2	1	0.11
(2,118)	1:785:B:LEU:HD22	1:716:A:SER:HB3	1	0.11
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB2	1	0.11
(2,118)	1:785:B:LEU:HD23	1:716:A:SER:HB3	1	0.11
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD2	2	0.11
(2,108)	1:777:A:ILE:HD11	1:742:B:ARG:HD3	2	0.11
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD2	2	0.11
(2,108)	1:777:A:ILE:HD12	1:742:B:ARG:HD3	2	0.11
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD2	2	0.11
(2,108)	1:777:A:ILE:HD13	1:742:B:ARG:HD3	2	0.11
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE21	5	0.11
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE22	5	0.11
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE21	5	0.11
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE22	5	0.11
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE21	5	0.11
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE22	5	0.11
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE21	10	0.11
(2,96)	1:755:A:LEU:HD11	1:710:B:GLN:HE22	10	0.11
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE21	10	0.11
(2,96)	1:755:A:LEU:HD12	1:710:B:GLN:HE22	10	0.11
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE21	10	0.11
(2,96)	1:755:A:LEU:HD13	1:710:B:GLN:HE22	10	0.11
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE1	14	0.11
(2,75)	1:708:A:VAL:HG21	1:712:B:TYR:HE2	14	0.11
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE1	14	0.11
(2,75)	1:708:A:VAL:HG22	1:712:B:TYR:HE2	14	0.11
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE1	14	0.11
(2,75)	1:708:A:VAL:HG23	1:712:B:TYR:HE2	14	0.11
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB2	8	0.11
(2,72)	1:708:A:VAL:HG21	1:712:B:TYR:HB3	8	0.11
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB2	8	0.11
(2,72)	1:708:A:VAL:HG22	1:712:B:TYR:HB3	8	0.11
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB2	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,72)	1:708:A:VAL:HG23	1:712:B:TYR:HB3	8	0.11
(2,69)	1:704:A:LEU:HD21	1:706:B:ASN:HB2	13	0.11
(2,69)	1:704:A:LEU:HD21	1:706:B:ASN:HB3	13	0.11
(2,69)	1:704:A:LEU:HD22	1:706:B:ASN:HB2	13	0.11
(2,69)	1:704:A:LEU:HD22	1:706:B:ASN:HB3	13	0.11
(2,69)	1:704:A:LEU:HD23	1:706:B:ASN:HB2	13	0.11
(2,69)	1:704:A:LEU:HD23	1:706:B:ASN:HB3	13	0.11
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD11	4	0.11
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD12	4	0.11
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD13	4	0.11
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD11	10	0.11
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD12	10	0.11
(2,43)	1:693:B:ILE:H	1:693:A:ILE:HD13	10	0.11
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	2	0.11
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	2	0.11
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	2	0.11
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	5	0.11
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	5	0.11
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	5	0.11
(1,248)	1:837:B:SER:O	1:841:B:ARG:N	5	0.11
(1,247)	1:837:B:SER:O	1:841:B:ARG:H	6	0.11
(1,247)	1:837:B:SER:O	1:841:B:ARG:H	8	0.11
(1,245)	1:836:B:ALA:O	1:840:B:ILE:H	3	0.11
(1,242)	1:834:B:GLN:O	1:838:B:ARG:N	8	0.11
(1,241)	1:834:B:GLN:O	1:838:B:ARG:H	4	0.11
(1,239)	1:833:B:VAL:O	1:837:B:SER:H	13	0.11
(1,234)	1:830:B:ILE:O	1:834:B:GLN:N	9	0.11
(1,233)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.11
(1,231)	1:829:B:VAL:O	1:833:B:VAL:H	8	0.11
(1,227)	1:827:B:ASP:O	1:831:B:GLU:H	15	0.11
(1,219)	1:813:B:SER:O	1:817:B:ALA:H	4	0.11
(1,219)	1:813:B:SER:O	1:817:B:ALA:H	15	0.11
(1,203)	1:805:B:GLN:O	1:809:B:ASN:H	7	0.11
(1,199)	1:803:B:TRP:O	1:807:B:LEU:H	13	0.11
(1,198)	1:802:B:TYR:O	1:806:B:GLU:N	9	0.11
(1,197)	1:802:B:TYR:O	1:806:B:GLU:H	6	0.11
(1,192)	1:799:B:LEU:O	1:803:B:TRP:N	12	0.11
(1,184)	1:795:B:TYR:O	1:799:B:LEU:N	12	0.11
(1,182)	1:794:B:LYS:O	1:798:B:ASN:N	1	0.11
(1,182)	1:794:B:LYS:O	1:798:B:ASN:N	7	0.11
(1,181)	1:794:B:LYS:O	1:798:B:ASN:H	14	0.11
(1,177)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:791:B:GLU:O	1:795:B:TYR:N	7	0.11
(1,162)	1:837:B:SER:O	1:841:B:ARG:N	5	0.11
(1,161)	1:837:B:SER:O	1:841:B:ARG:H	6	0.11
(1,161)	1:837:B:SER:O	1:841:B:ARG:H	8	0.11
(1,159)	1:836:B:ALA:O	1:840:B:ILE:H	3	0.11
(1,156)	1:834:B:GLN:O	1:838:B:ARG:N	8	0.11
(1,155)	1:834:B:GLN:O	1:838:B:ARG:H	4	0.11
(1,153)	1:833:B:VAL:O	1:837:B:SER:H	13	0.11
(1,148)	1:830:B:ILE:O	1:834:B:GLN:N	9	0.11
(1,147)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.11
(1,145)	1:829:B:VAL:O	1:833:B:VAL:H	8	0.11
(1,141)	1:827:B:ASP:O	1:831:B:GLU:H	15	0.11
(1,133)	1:813:B:SER:O	1:817:B:ALA:H	4	0.11
(1,133)	1:813:B:SER:O	1:817:B:ALA:H	15	0.11
(1,117)	1:805:B:GLN:O	1:809:B:ASN:H	7	0.11
(1,113)	1:803:B:TRP:O	1:807:B:LEU:H	13	0.11
(1,112)	1:802:B:TYR:O	1:806:B:GLU:N	9	0.11
(1,111)	1:802:B:TYR:O	1:806:B:GLU:H	6	0.11
(1,106)	1:799:B:LEU:O	1:803:B:TRP:N	12	0.11
(1,98)	1:795:B:TYR:O	1:799:B:LEU:N	12	0.11
(1,96)	1:794:B:LYS:O	1:798:B:ASN:N	1	0.11
(1,96)	1:794:B:LYS:O	1:798:B:ASN:N	7	0.11
(1,95)	1:794:B:LYS:O	1:798:B:ASN:H	14	0.11
(1,91)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.11
(1,90)	1:791:B:GLU:O	1:795:B:TYR:N	7	0.11
(1,76)	1:837:B:SER:O	1:841:B:ARG:N	5	0.11
(1,75)	1:837:B:SER:O	1:841:B:ARG:H	6	0.11
(1,75)	1:837:B:SER:O	1:841:B:ARG:H	8	0.11
(1,73)	1:836:B:ALA:O	1:840:B:ILE:H	3	0.11
(1,70)	1:834:B:GLN:O	1:838:B:ARG:N	8	0.11
(1,69)	1:834:B:GLN:O	1:838:B:ARG:H	4	0.11
(1,67)	1:833:B:VAL:O	1:837:B:SER:H	13	0.11
(1,62)	1:830:B:ILE:O	1:834:B:GLN:N	9	0.11
(1,61)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.11
(1,59)	1:829:B:VAL:O	1:833:B:VAL:H	8	0.11
(1,55)	1:827:B:ASP:O	1:831:B:GLU:H	15	0.11
(1,47)	1:813:B:SER:O	1:817:B:ALA:H	4	0.11
(1,47)	1:813:B:SER:O	1:817:B:ALA:H	15	0.11
(1,31)	1:805:B:GLN:O	1:809:B:ASN:H	7	0.11
(1,27)	1:803:B:TRP:O	1:807:B:LEU:H	13	0.11
(1,26)	1:802:B:TYR:O	1:806:B:GLU:N	9	0.11
(1,25)	1:802:B:TYR:O	1:806:B:GLU:H	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20)	1:799:B:LEU:O	1:803:B:TRP:N	12	0.11
(1,12)	1:795:B:TYR:O	1:799:B:LEU:N	12	0.11
(1,10)	1:794:B:LYS:O	1:798:B:ASN:N	1	0.11
(1,10)	1:794:B:LYS:O	1:798:B:ASN:N	7	0.11
(1,9)	1:794:B:LYS:O	1:798:B:ASN:H	14	0.11
(1,5)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.11
(1,4)	1:791:B:GLU:O	1:795:B:TYR:N	7	0.11
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD11	2	0.1
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD12	2	0.1
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD13	2	0.1
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD21	2	0.1
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD22	2	0.1
(2,1469)	1:797:A:TRP:HE1	1:793:A:LEU:HD23	2	0.1
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	4	0.1
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	4	0.1
(2,1466)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	4	0.1
(2,1465)	1:796:A:TRP:HE1	1:796:A:TRP:H	12	0.1
(2,1458)	1:786:A:GLY:H	1:782:A:VAL:HA	15	0.1
(2,1443)	1:784:A:LEU:H	1:781:A:ILE:HA	14	0.1
(2,1426)	1:781:A:ILE:H	1:780:A:ARG:HA	4	0.1
(2,1414)	1:778:A:VAL:HG21	1:775:A:LEU:HA	13	0.1
(2,1414)	1:778:A:VAL:HG22	1:775:A:LEU:HA	13	0.1
(2,1414)	1:778:A:VAL:HG23	1:775:A:LEU:HA	13	0.1
(2,1410)	1:778:A:VAL:H	1:777:A:ILE:HA	2	0.1
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	9	0.1
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	9	0.1
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	9	0.1
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	9	0.1
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	9	0.1
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	9	0.1
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	11	0.1
(2,1401)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	11	0.1
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	11	0.1
(2,1401)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	11	0.1
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	11	0.1
(2,1401)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	11	0.1
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD2	8	0.1
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD3	8	0.1
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD2	12	0.1
(2,1381)	1:773:A:ASP:H	1:770:A:ARG:HD3	12	0.1
(2,1365)	1:760:A:LEU:HD11	1:757:A:TRP:HA	15	0.1
(2,1365)	1:760:A:LEU:HD12	1:757:A:TRP:HA	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1365)	1:760:A:LEU:HD13	1:757:A:TRP:HA	15	0.1
(2,1315)	1:746:A:ILE:H	1:743:A:ASP:HB2	3	0.1
(2,1315)	1:746:A:ILE:H	1:743:A:ASP:HB3	3	0.1
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD11	12	0.1
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD12	12	0.1
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD13	12	0.1
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD21	12	0.1
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD22	12	0.1
(2,1272)	1:707:A:ARG:HE	1:704:A:LEU:HD23	12	0.1
(2,1246)	1:705:A:VAL:H	1:702:A:LEU:HA	6	0.1
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	1	0.1
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	1	0.1
(2,1245)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	1	0.1
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	1	0.1
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	1	0.1
(2,1245)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	1	0.1
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	1	0.1
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	1	0.1
(2,1245)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	1	0.1
(2,1224)	1:702:A:LEU:H	1:699:A:PHE:HA	9	0.1
(2,1224)	1:702:A:LEU:H	1:699:A:PHE:HA	13	0.1
(2,1206)	1:698:A:VAL:HG11	1:695:A:LEU:HG	12	0.1
(2,1206)	1:698:A:VAL:HG12	1:695:A:LEU:HG	12	0.1
(2,1206)	1:698:A:VAL:HG13	1:695:A:LEU:HG	12	0.1
(2,1201)	1:696:A:ARG:H	1:696:A:ARG:HE	6	0.1
(2,1201)	1:696:A:ARG:H	1:696:A:ARG:HE	15	0.1
(2,1174)	1:688:A:ILE:HG21	1:692:A:LEU:HG	3	0.1
(2,1174)	1:688:A:ILE:HG22	1:692:A:LEU:HG	3	0.1
(2,1174)	1:688:A:ILE:HG23	1:692:A:LEU:HG	3	0.1
(2,1172)	1:687:A:ILE:HG21	1:691:A:SER:HG	2	0.1
(2,1172)	1:687:A:ILE:HG22	1:691:A:SER:HG	2	0.1
(2,1172)	1:687:A:ILE:HG23	1:691:A:SER:HG	2	0.1
(2,1171)	1:687:A:ILE:HD11	1:684:A:ILE:HD11	6	0.1
(2,1171)	1:687:A:ILE:HD11	1:684:A:ILE:HD12	6	0.1
(2,1171)	1:687:A:ILE:HD11	1:684:A:ILE:HD13	6	0.1
(2,1171)	1:687:A:ILE:HD12	1:684:A:ILE:HD11	6	0.1
(2,1171)	1:687:A:ILE:HD12	1:684:A:ILE:HD12	6	0.1
(2,1171)	1:687:A:ILE:HD12	1:684:A:ILE:HD13	6	0.1
(2,1171)	1:687:A:ILE:HD13	1:684:A:ILE:HD11	6	0.1
(2,1171)	1:687:A:ILE:HD13	1:684:A:ILE:HD12	6	0.1
(2,1171)	1:687:A:ILE:HD13	1:684:A:ILE:HD13	6	0.1
(2,1167)	1:686:A:ILE:HD11	1:683:A:ARG:HA	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1167)	1:686:A:ILE:HD12	1:683:A:ARG:HA	4	0.1
(2,1167)	1:686:A:ILE:HD13	1:683:A:ARG:HA	4	0.1
(2,1167)	1:686:A:ILE:HD11	1:683:A:ARG:HA	14	0.1
(2,1167)	1:686:A:ILE:HD12	1:683:A:ARG:HA	14	0.1
(2,1167)	1:686:A:ILE:HD13	1:683:A:ARG:HA	14	0.1
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	1	0.1
(2,1064)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	1	0.1
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	1	0.1
(2,1064)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	1	0.1
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	1	0.1
(2,1064)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	1	0.1
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	1	0.1
(2,1064)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	1	0.1
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	1	0.1
(2,1064)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	1	0.1
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	1	0.1
(2,1064)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	1	0.1
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD11	2	0.1
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD12	2	0.1
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD13	2	0.1
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD21	2	0.1
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD22	2	0.1
(2,1044)	1:797:A:TRP:HE1	1:793:A:LEU:HD23	2	0.1
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD11	4	0.1
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD12	4	0.1
(2,1041)	1:796:A:TRP:HE1	1:799:A:LEU:HD13	4	0.1
(2,1040)	1:796:A:TRP:HE1	1:796:A:TRP:H	12	0.1
(2,1033)	1:786:A:GLY:H	1:782:A:VAL:HA	15	0.1
(2,1018)	1:784:A:LEU:H	1:781:A:ILE:HA	14	0.1
(2,1001)	1:781:A:ILE:H	1:780:A:ARG:HA	4	0.1
(2,989)	1:778:A:VAL:HG21	1:775:A:LEU:HA	13	0.1
(2,989)	1:778:A:VAL:HG22	1:775:A:LEU:HA	13	0.1
(2,989)	1:778:A:VAL:HG23	1:775:A:LEU:HA	13	0.1
(2,985)	1:778:A:VAL:H	1:777:A:ILE:HA	2	0.1
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	9	0.1
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	9	0.1
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	9	0.1
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	9	0.1
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	9	0.1
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	9	0.1
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB2	11	0.1
(2,976)	1:776:A:LEU:HD11	1:773:A:ASP:HB3	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB2	11	0.1
(2,976)	1:776:A:LEU:HD12	1:773:A:ASP:HB3	11	0.1
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB2	11	0.1
(2,976)	1:776:A:LEU:HD13	1:773:A:ASP:HB3	11	0.1
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD2	8	0.1
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD3	8	0.1
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD2	12	0.1
(2,956)	1:773:A:ASP:H	1:770:A:ARG:HD3	12	0.1
(2,940)	1:760:A:LEU:HD11	1:757:A:TRP:HA	15	0.1
(2,940)	1:760:A:LEU:HD12	1:757:A:TRP:HA	15	0.1
(2,940)	1:760:A:LEU:HD13	1:757:A:TRP:HA	15	0.1
(2,890)	1:746:A:ILE:H	1:743:A:ASP:HB2	3	0.1
(2,890)	1:746:A:ILE:H	1:743:A:ASP:HB3	3	0.1
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD11	12	0.1
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD12	12	0.1
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD13	12	0.1
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD21	12	0.1
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD22	12	0.1
(2,847)	1:707:A:ARG:HE	1:704:A:LEU:HD23	12	0.1
(2,821)	1:705:A:VAL:H	1:702:A:LEU:HA	6	0.1
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG21	1	0.1
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG22	1	0.1
(2,820)	1:704:A:LEU:HD11	1:708:A:VAL:HG23	1	0.1
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG21	1	0.1
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG22	1	0.1
(2,820)	1:704:A:LEU:HD12	1:708:A:VAL:HG23	1	0.1
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG21	1	0.1
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG22	1	0.1
(2,820)	1:704:A:LEU:HD13	1:708:A:VAL:HG23	1	0.1
(2,799)	1:702:A:LEU:H	1:699:A:PHE:HA	9	0.1
(2,799)	1:702:A:LEU:H	1:699:A:PHE:HA	13	0.1
(2,781)	1:698:A:VAL:HG11	1:695:A:LEU:HG	12	0.1
(2,781)	1:698:A:VAL:HG12	1:695:A:LEU:HG	12	0.1
(2,781)	1:698:A:VAL:HG13	1:695:A:LEU:HG	12	0.1
(2,776)	1:696:A:ARG:H	1:696:A:ARG:HE	6	0.1
(2,776)	1:696:A:ARG:H	1:696:A:ARG:HE	15	0.1
(2,749)	1:688:A:ILE:HG21	1:692:A:LEU:HG	3	0.1
(2,749)	1:688:A:ILE:HG22	1:692:A:LEU:HG	3	0.1
(2,749)	1:688:A:ILE:HG23	1:692:A:LEU:HG	3	0.1
(2,747)	1:687:A:ILE:HG21	1:691:A:SER:HG	2	0.1
(2,747)	1:687:A:ILE:HG22	1:691:A:SER:HG	2	0.1
(2,747)	1:687:A:ILE:HG23	1:691:A:SER:HG	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,746)	1:687:A:ILE:HD11	1:684:A:ILE:HD11	6	0.1
(2,746)	1:687:A:ILE:HD11	1:684:A:ILE:HD12	6	0.1
(2,746)	1:687:A:ILE:HD11	1:684:A:ILE:HD13	6	0.1
(2,746)	1:687:A:ILE:HD12	1:684:A:ILE:HD11	6	0.1
(2,746)	1:687:A:ILE:HD12	1:684:A:ILE:HD12	6	0.1
(2,746)	1:687:A:ILE:HD12	1:684:A:ILE:HD13	6	0.1
(2,746)	1:687:A:ILE:HD13	1:684:A:ILE:HD11	6	0.1
(2,746)	1:687:A:ILE:HD13	1:684:A:ILE:HD12	6	0.1
(2,746)	1:687:A:ILE:HD13	1:684:A:ILE:HD13	6	0.1
(2,742)	1:686:A:ILE:HD11	1:683:A:ARG:HA	4	0.1
(2,742)	1:686:A:ILE:HD12	1:683:A:ARG:HA	4	0.1
(2,742)	1:686:A:ILE:HD13	1:683:A:ARG:HA	4	0.1
(2,742)	1:686:A:ILE:HD11	1:683:A:ARG:HA	14	0.1
(2,742)	1:686:A:ILE:HD12	1:683:A:ARG:HA	14	0.1
(2,742)	1:686:A:ILE:HD13	1:683:A:ARG:HA	14	0.1
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG2	1	0.1
(2,639)	1:661:A:LEU:HD11	1:662:A:GLU:HG3	1	0.1
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG2	1	0.1
(2,639)	1:661:A:LEU:HD12	1:662:A:GLU:HG3	1	0.1
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG2	1	0.1
(2,639)	1:661:A:LEU:HD13	1:662:A:GLU:HG3	1	0.1
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG2	1	0.1
(2,639)	1:661:A:LEU:HD21	1:662:A:GLU:HG3	1	0.1
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG2	1	0.1
(2,639)	1:661:A:LEU:HD22	1:662:A:GLU:HG3	1	0.1
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG2	1	0.1
(2,639)	1:661:A:LEU:HD23	1:662:A:GLU:HG3	1	0.1
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD11	14	0.1
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD12	14	0.1
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD13	14	0.1
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD21	14	0.1
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD22	14	0.1
(2,624)	1:803:B:TRP:HE1	1:800:B:LEU:HD23	14	0.1
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	11	0.1
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	11	0.1
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	11	0.1
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD11	13	0.1
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD12	13	0.1
(2,616)	1:796:B:TRP:HE1	1:799:B:LEU:HD13	13	0.1
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD11	11	0.1
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD12	11	0.1
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD13	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD21	11	0.1
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD22	11	0.1
(2,613)	1:790:B:TRP:HE1	1:793:B:LEU:HD23	11	0.1
(2,608)	1:786:B:GLY:H	1:782:B:VAL:HA	15	0.1
(2,581)	1:782:B:VAL:H	1:779:B:THR:HA	12	0.1
(2,576)	1:781:B:ILE:H	1:780:B:ARG:HA	13	0.1
(2,560)	1:778:B:VAL:H	1:777:B:ILE:HA	9	0.1
(2,541)	1:775:B:LEU:H	1:774:B:LEU:HA	1	0.1
(2,516)	1:760:B:LEU:HD21	1:768:B:TYR:HE1	8	0.1
(2,516)	1:760:B:LEU:HD21	1:768:B:TYR:HE2	8	0.1
(2,516)	1:760:B:LEU:HD22	1:768:B:TYR:HE1	8	0.1
(2,516)	1:760:B:LEU:HD22	1:768:B:TYR:HE2	8	0.1
(2,516)	1:760:B:LEU:HD23	1:768:B:TYR:HE1	8	0.1
(2,516)	1:760:B:LEU:HD23	1:768:B:TYR:HE2	8	0.1
(2,470)	1:746:B:ILE:HD11	1:743:B:ASP:HA	14	0.1
(2,470)	1:746:B:ILE:HD12	1:743:B:ASP:HA	14	0.1
(2,470)	1:746:B:ILE:HD13	1:743:B:ASP:HA	14	0.1
(2,464)	1:746:B:ILE:H	1:743:B:ASP:HA	13	0.1
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG11	1	0.1
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG12	1	0.1
(2,437)	1:709:B:ARG:HE	1:705:B:VAL:HG13	1	0.1
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD11	9	0.1
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD12	9	0.1
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD13	9	0.1
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD21	9	0.1
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD22	9	0.1
(2,422)	1:707:B:ARG:HE	1:704:B:LEU:HD23	9	0.1
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB2	15	0.1
(2,406)	1:705:B:VAL:HG21	1:706:B:ASN:HB3	15	0.1
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB2	15	0.1
(2,406)	1:705:B:VAL:HG22	1:706:B:ASN:HB3	15	0.1
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB2	15	0.1
(2,406)	1:705:B:VAL:HG23	1:706:B:ASN:HB3	15	0.1
(2,367)	1:700:B:ALA:HB1	1:697:B:ILE:HA	4	0.1
(2,367)	1:700:B:ALA:HB2	1:697:B:ILE:HA	4	0.1
(2,367)	1:700:B:ALA:HB3	1:697:B:ILE:HA	4	0.1
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	7	0.1
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	7	0.1
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	7	0.1
(2,356)	1:698:B:VAL:HG11	1:695:B:LEU:HG	15	0.1
(2,356)	1:698:B:VAL:HG12	1:695:B:LEU:HG	15	0.1
(2,356)	1:698:B:VAL:HG13	1:695:B:LEU:HG	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD2	5	0.1
(2,344)	1:695:B:LEU:HD21	1:696:B:ARG:HD3	5	0.1
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD2	5	0.1
(2,344)	1:695:B:LEU:HD22	1:696:B:ARG:HD3	5	0.1
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD2	5	0.1
(2,344)	1:695:B:LEU:HD23	1:696:B:ARG:HD3	5	0.1
(2,318)	1:686:B:ILE:HD11	1:685:B:PHE:H	15	0.1
(2,318)	1:686:B:ILE:HD12	1:685:B:PHE:H	15	0.1
(2,318)	1:686:B:ILE:HD13	1:685:B:PHE:H	15	0.1
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD1	5	0.1
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD2	5	0.1
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD1	5	0.1
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD2	5	0.1
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD1	5	0.1
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD2	5	0.1
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD1	15	0.1
(2,305)	1:684:B:ILE:HG21	1:685:B:PHE:HD2	15	0.1
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD1	15	0.1
(2,305)	1:684:B:ILE:HG22	1:685:B:PHE:HD2	15	0.1
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD1	15	0.1
(2,305)	1:684:B:ILE:HG23	1:685:B:PHE:HD2	15	0.1
(2,295)	1:682:B:ILE:HG21	1:685:B:PHE:HD1	8	0.1
(2,295)	1:682:B:ILE:HG21	1:685:B:PHE:HD2	8	0.1
(2,295)	1:682:B:ILE:HG22	1:685:B:PHE:HD1	8	0.1
(2,295)	1:682:B:ILE:HG22	1:685:B:PHE:HD2	8	0.1
(2,295)	1:682:B:ILE:HG23	1:685:B:PHE:HD1	8	0.1
(2,295)	1:682:B:ILE:HG23	1:685:B:PHE:HD2	8	0.1
(2,286)	1:678:B:TRP:HE1	1:682:B:ILE:H	10	0.1
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD11	5	0.1
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD12	5	0.1
(2,284)	1:678:B:TRP:HE1	1:675:B:ILE:HD13	5	0.1
(2,263)	1:670:B:TRP:HE1	1:667:B:ALA:HB1	13	0.1
(2,263)	1:670:B:TRP:HE1	1:667:B:ALA:HB2	13	0.1
(2,263)	1:670:B:TRP:HE1	1:667:B:ALA:HB3	13	0.1
(2,258)	1:669:B:LEU:HD11	1:672:B:TRP:HZ3	13	0.1
(2,258)	1:669:B:LEU:HD12	1:672:B:TRP:HZ3	13	0.1
(2,258)	1:669:B:LEU:HD13	1:672:B:TRP:HZ3	13	0.1
(2,258)	1:669:B:LEU:HD21	1:672:B:TRP:HZ3	13	0.1
(2,258)	1:669:B:LEU:HD22	1:672:B:TRP:HZ3	13	0.1
(2,258)	1:669:B:LEU:HD23	1:672:B:TRP:HZ3	13	0.1
(2,245)	1:667:B:ALA:H	1:666:B:TRP:HD1	5	0.1
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG2	3	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,190)	1:816:B:ASN:H	1:831:B:GLU:HG3	3	0.1
(2,183)	1:806:A:GLU:H	1:772:B:ARG:HE	8	0.1
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB2	8	0.1
(2,174)	1:803:A:TRP:HE1	1:764:B:SER:HB3	8	0.1
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	3	0.1
(2,171)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	3	0.1
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB2	3	0.1
(2,170)	1:797:A:TRP:HE1	1:848:A:ARG:HB3	3	0.1
(2,114)	1:781:A:ILE:HD11	1:743:B:ASP:HA	13	0.1
(2,114)	1:781:A:ILE:HD12	1:743:B:ASP:HA	13	0.1
(2,114)	1:781:A:ILE:HD13	1:743:B:ASP:HA	13	0.1
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG21	9	0.1
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG22	9	0.1
(2,90)	1:713:B:SER:H	1:708:A:VAL:HG23	9	0.1
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD11	10	0.1
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD12	10	0.1
(2,52)	1:696:B:ARG:H	1:693:A:ILE:HD13	10	0.1
(2,37)	1:692:B:LEU:HD21	1:694:A:GLY:H	15	0.1
(2,37)	1:692:B:LEU:HD22	1:694:A:GLY:H	15	0.1
(2,37)	1:692:B:LEU:HD23	1:694:A:GLY:H	15	0.1
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG21	12	0.1
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG22	12	0.1
(2,33)	1:687:A:ILE:HG21	1:689:B:VAL:HG23	12	0.1
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG21	12	0.1
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG22	12	0.1
(2,33)	1:687:A:ILE:HG22	1:689:B:VAL:HG23	12	0.1
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG21	12	0.1
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG22	12	0.1
(2,33)	1:687:A:ILE:HG23	1:689:B:VAL:HG23	12	0.1
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB2	5	0.1
(2,9)	1:664:A:ASP:H	1:660:B:LEU:HB3	5	0.1
(1,241)	1:834:B:GLN:O	1:838:B:ARG:H	1	0.1
(1,233)	1:830:B:ILE:O	1:834:B:GLN:H	10	0.1
(1,219)	1:813:B:SER:O	1:817:B:ALA:H	8	0.1
(1,199)	1:803:B:TRP:O	1:807:B:LEU:H	7	0.1
(1,182)	1:794:B:LYS:O	1:798:B:ASN:N	3	0.1
(1,177)	1:792:B:ALA:O	1:796:B:TRP:H	14	0.1
(1,176)	1:791:B:GLU:O	1:795:B:TYR:N	3	0.1
(1,155)	1:834:B:GLN:O	1:838:B:ARG:H	1	0.1
(1,147)	1:830:B:ILE:O	1:834:B:GLN:H	10	0.1
(1,133)	1:813:B:SER:O	1:817:B:ALA:H	8	0.1
(1,113)	1:803:B:TRP:O	1:807:B:LEU:H	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,96)	1:794:B:LYS:O	1:798:B:ASN:N	3	0.1
(1,91)	1:792:B:ALA:O	1:796:B:TRP:H	14	0.1
(1,90)	1:791:B:GLU:O	1:795:B:TYR:N	3	0.1
(1,69)	1:834:B:GLN:O	1:838:B:ARG:H	1	0.1
(1,61)	1:830:B:ILE:O	1:834:B:GLN:H	10	0.1
(1,47)	1:813:B:SER:O	1:817:B:ALA:H	8	0.1
(1,27)	1:803:B:TRP:O	1:807:B:LEU:H	7	0.1
(1,10)	1:794:B:LYS:O	1:798:B:ASN:N	3	0.1
(1,5)	1:792:B:ALA:O	1:796:B:TRP:H	14	0.1
(1,4)	1:791:B:GLU:O	1:795:B:TYR:N	3	0.1

10 Dihedral-angle violation analysis

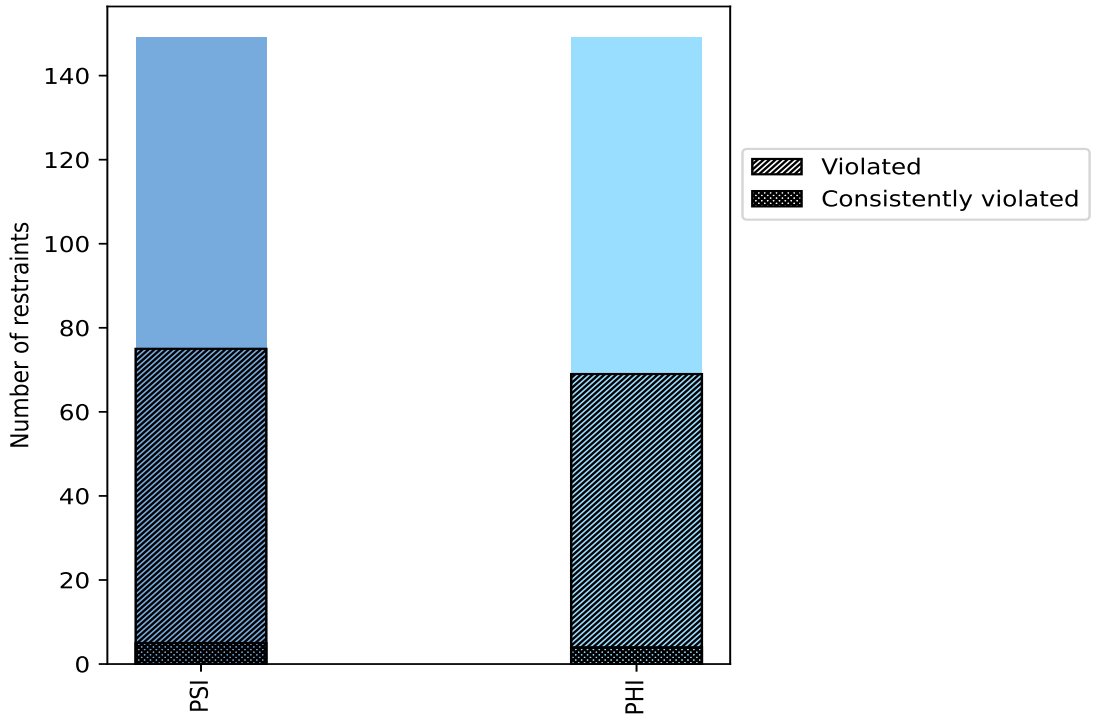
10.1 Summary of dihedral-angle violations

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

Angle type	Count	%[1]	Violated[3]			Consistently Violated[4]		
			Count	%[2]	%[1]	Count	%[2]	%[1]
PSI	149	50.0	75	50.3	25.2	5	3.4	1.7
PHI	149	50.0	69	46.3	23.2	4	2.7	1.3
Total	298	100.0	144	48.3	48.3	9	3.0	3.0

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

10.1.1 Bar chart : Distribution of dihedral-angles and violations



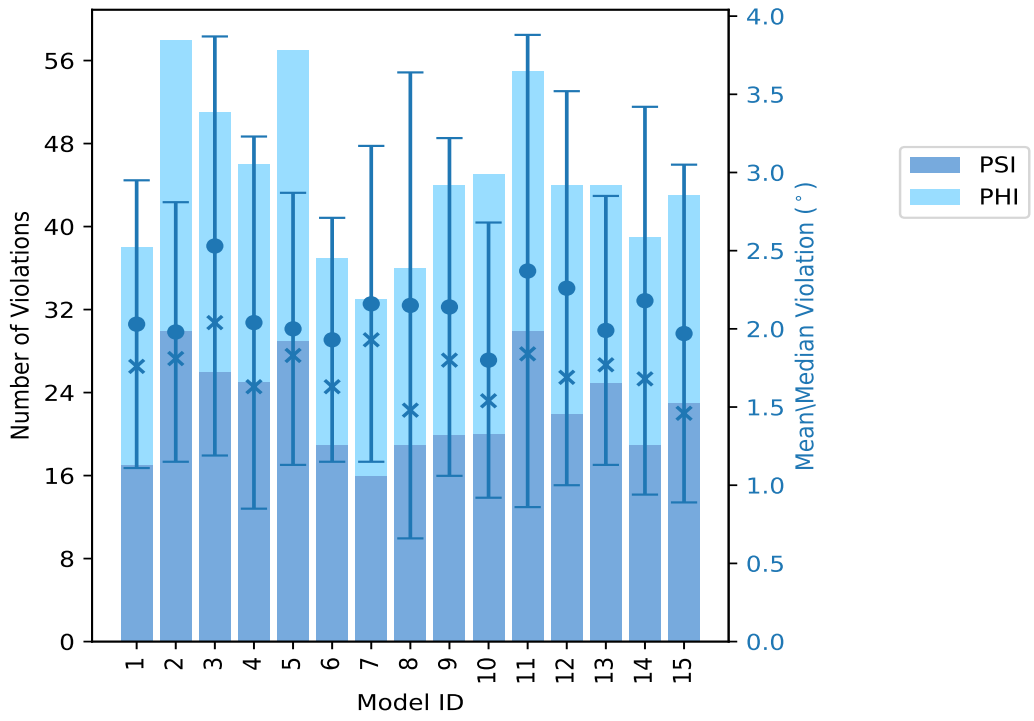
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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

Model ID	Number of violations			Mean (°)	Max (°)	SD (°)	Median (°)
	PSI	PHI	Total				
1	17	21	38	2.03	4.62	0.92	1.76
2	30	28	58	1.98	3.88	0.83	1.81
3	26	25	51	2.53	5.3	1.34	2.04
4	25	21	46	2.04	6.43	1.19	1.63
5	29	28	57	2.0	4.74	0.87	1.83
6	19	18	37	1.93	4.07	0.78	1.63
7	16	17	33	2.16	4.77	1.01	1.93
8	19	17	36	2.15	7.23	1.49	1.48
9	20	24	44	2.14	4.93	1.08	1.8
10	20	25	45	1.8	5.42	0.88	1.54
11	30	25	55	2.37	7.09	1.51	1.84
12	22	22	44	2.26	5.32	1.26	1.69
13	25	19	44	1.99	4.64	0.86	1.77
14	19	20	39	2.18	5.41	1.24	1.68
15	23	20	43	1.97	4.97	1.08	1.46

10.2.1 Bar graph : Dihedral violation statistics for each model (i)



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

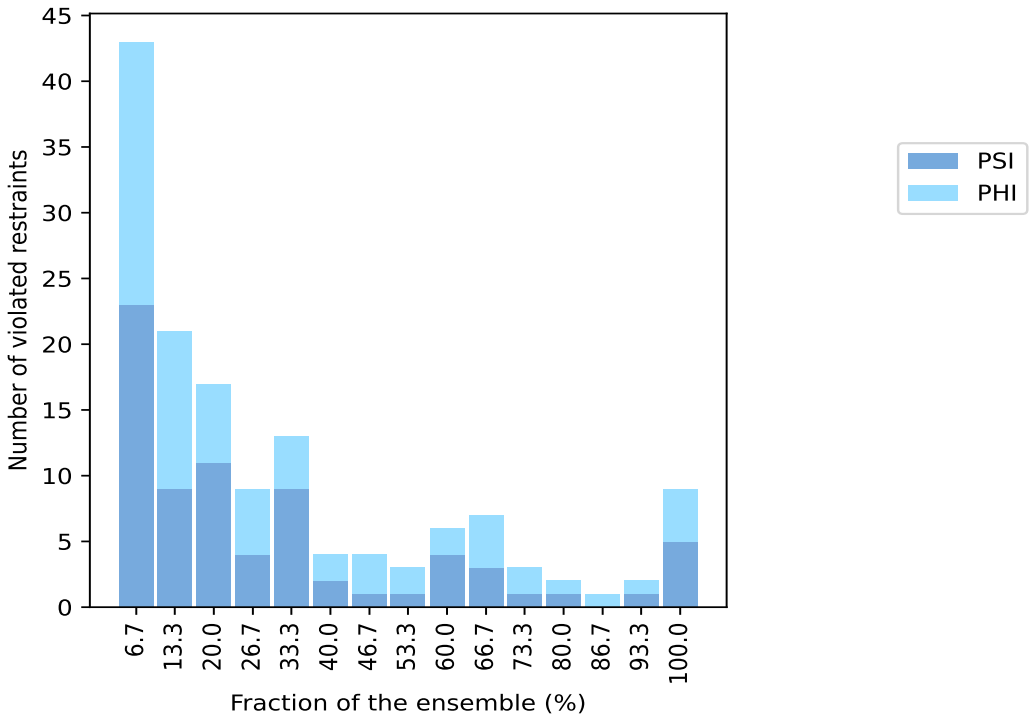
10.3 Dihedral-angle violation statistics for the ensemble (i)

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

Number of violated restraints			Fraction of the ensemble	
PSI	PHI	Total	Count[1]	%
23	20	43	1	6.7
9	12	21	2	13.3
11	6	17	3	20.0
4	5	9	4	26.7
9	4	13	5	33.3
2	2	4	6	40.0
1	3	4	7	46.7
1	2	3	8	53.3
4	2	6	9	60.0
3	4	7	10	66.7
1	2	3	11	73.3
1	1	2	12	80.0
0	1	1	13	86.7
1	1	2	14	93.3
5	4	9	15	100.0

[1] Number of models with violations

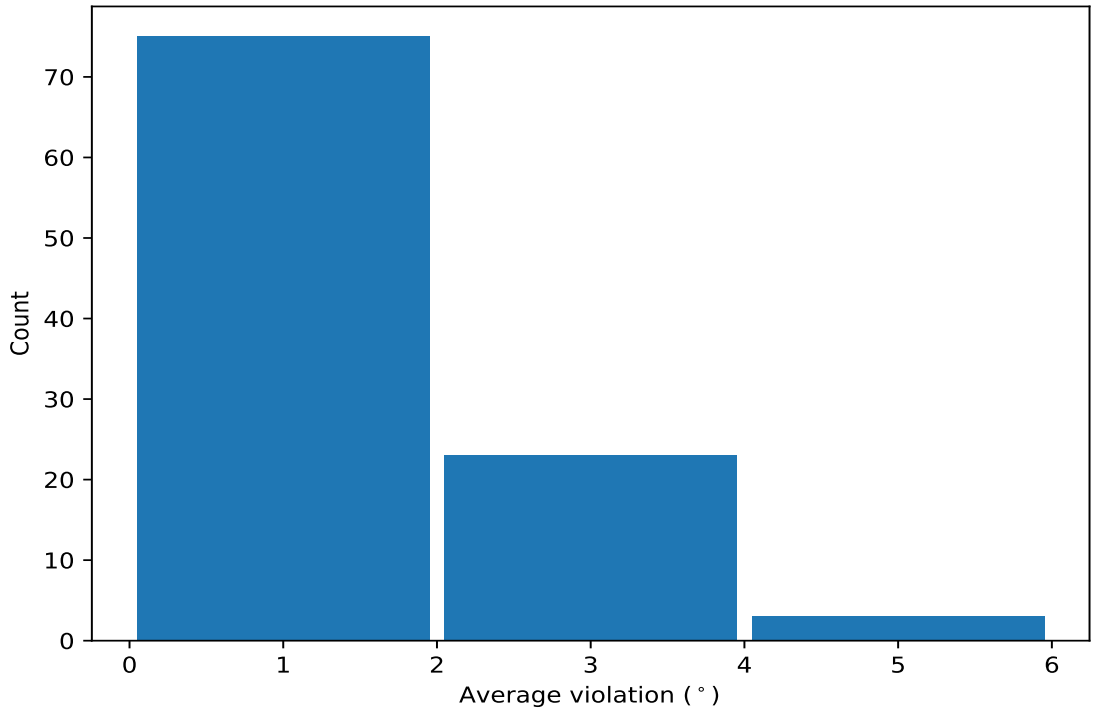
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble



10.4 Most violated dihedral-angle restraints in the ensemble

10.4.1 Histogram : Distribution of mean dihedral-angle violations

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



10.4.2 Table: Most violated dihedral-angle restraints

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	15	4.51	1.33	4.64
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	15	4.41	1.43	4.69
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	15	4.09	0.66	4.07
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	15	3.88	0.8	3.83
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	15	3.46	1.28	3.29
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	15	3.27	1.31	3.13
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	15	3.04	0.68	2.97
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	15	2.57	0.62	2.75
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	15	2.19	0.82	2.1
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	14	2.3	0.88	2.14
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	14	1.97	0.45	2.02
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	13	1.82	0.46	1.95
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	12	2.17	0.58	2.13
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	12	2.03	0.86	1.9
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	11	2.52	1.6	1.87
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	11	1.92	0.56	1.88
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	11	1.47	0.34	1.44
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	10	2.39	0.73	2.41
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	10	2.19	0.66	2.23
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	10	1.88	0.82	1.7
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	10	1.85	0.73	1.76

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	10	1.52	0.32	1.46
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	10	1.45	0.35	1.38
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	10	1.41	0.2	1.38
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	9	2.39	0.67	2.51
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	9	2.18	0.57	2.27
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	9	1.84	0.65	1.65
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	9	1.83	0.62	1.63
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	9	1.56	0.4	1.49
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	9	1.49	0.5	1.33
(1,120)	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1:752:B:SER:N	8	1.94	0.5	1.77
(1,197)	1:794:B:LYS:C	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	8	1.59	0.53	1.44
(1,47)	1:691:B:SER:C	1:692:B:LEU:N	1:692:B:LEU:CA	1:692:B:LEU:C	8	1.28	0.23	1.2
(1,133)	1:757:B:TRP:C	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	7	3.3	1.98	2.28
(1,81)	1:708:B:VAL:C	1:709:B:ARG:N	1:709:B:ARG:CA	1:709:B:ARG:C	7	2.02	0.68	1.78
(1,196)	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	1:795:B:TYR:N	7	2.01	0.66	2.06
(1,61)	1:698:B:VAL:C	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	7	1.86	0.62	1.68
(1,134)	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	1:759:B:ASP:N	6	2.45	1.27	2.22
(1,135)	1:758:B:ASP:C	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	6	2.43	1.1	2.3
(1,155)	1:773:B:ASP:C	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	6	1.73	0.71	1.47
(1,250)	1:826:B:THR:N	1:826:B:THR:CA	1:826:B:THR:C	1:827:B:ASP:N	6	1.39	0.31	1.4
(1,136)	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	1:760:B:LEU:N	5	2.64	1.1	1.96
(1,80)	1:708:B:VAL:N	1:708:B:VAL:CA	1:708:B:VAL:C	1:709:B:ARG:N	5	1.99	0.64	1.79
(1,137)	1:759:B:ASP:C	1:760:B:LEU:N	1:760:B:LEU:CA	1:760:B:LEU:C	5	1.92	0.73	1.67
(1,121)	1:751:B:GLY:C	1:752:B:SER:N	1:752:B:SER:CA	1:752:B:SER:C	5	1.81	0.35	1.76
(1,144)	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	1:764:B:SER:N	5	1.8	0.59	1.61
(1,20)	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	1:677:B:ASN:N	5	1.75	0.78	1.26
(1,272)	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	1:838:B:ARG:N	5	1.72	0.55	1.63
(1,156)	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	1:775:B:LEU:N	5	1.68	0.67	1.42
(1,158)	1:775:B:LEU:N	1:775:B:LEU:CA	1:775:B:LEU:C	1:776:B:LEU:N	5	1.56	0.49	1.19
(1,185)	1:788:B:ARG:C	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	5	1.49	0.43	1.37
(1,274)	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	1:839:B:ALA:N	5	1.39	0.24	1.32
(1,179)	1:785:B:LEU:C	1:786:B:GLY:N	1:786:B:GLY:CA	1:786:B:GLY:C	5	1.21	0.17	1.13
(1,186)	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	1:790:B:TRP:N	5	1.17	0.07	1.17
(1,270)	1:836:B:ALA:N	1:836:B:ALA:CA	1:836:B:ALA:C	1:837:B:SER:N	4	1.95	0.46	2.08
(1,271)	1:836:B:ALA:C	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	4	1.76	0.37	1.8
(1,60)	1:698:B:VAL:N	1:698:B:VAL:CA	1:698:B:VAL:C	1:699:B:PHE:N	4	1.66	0.68	1.52
(1,163)	1:777:B:ILE:C	1:778:B:VAL:N	1:778:B:VAL:CA	1:778:B:VAL:C	4	1.64	0.37	1.58
(1,194)	1:793:B:LEU:N	1:793:B:LEU:CA	1:793:B:LEU:C	1:794:B:LYS:N	4	1.51	0.5	1.3
(1,151)	1:771:B:LEU:C	1:772:B:ARG:N	1:772:B:ARG:CA	1:772:B:ARG:C	4	1.5	0.33	1.54
(1,64)	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	1:701:B:VAL:N	4	1.36	0.07	1.38
(1,191)	1:791:B:GLU:C	1:792:B:ALA:N	1:792:B:ALA:CA	1:792:B:ALA:C	4	1.28	0.44	1.03
(1,273)	1:837:B:SER:C	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	4	1.26	0.12	1.26
(1,88)	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	1:716:B:SER:N	3	2.03	0.57	1.92
(1,210)	1:801:B:GLN:N	1:801:B:GLN:CA	1:801:B:GLN:C	1:802:B:TYR:N	3	2.01	0.77	1.56
(1,85)	1:712:B:TYR:C	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	3	1.97	0.68	2.11
(1,131)	1:756:B:ILE:C	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	3	1.63	0.34	1.65
(1,184)	1:788:B:ARG:N	1:788:B:ARG:CA	1:788:B:ARG:C	1:789:B:GLY:N	3	1.57	0.27	1.52
(1,84)	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	1:711:B:GLY:N	3	1.53	0.27	1.37
(1,172)	1:782:B:VAL:N	1:782:B:VAL:CA	1:782:B:VAL:C	1:783:B:GLU:N	3	1.5	0.25	1.5
(1,202)	1:797:B:TRP:N	1:797:B:TRP:CA	1:797:B:TRP:C	1:798:B:ASN:N	3	1.43	0.11	1.42
(1,123)	1:752:B:SER:C	1:753:B:LEU:N	1:753:B:LEU:CA	1:753:B:LEU:C	3	1.37	0.16	1.46

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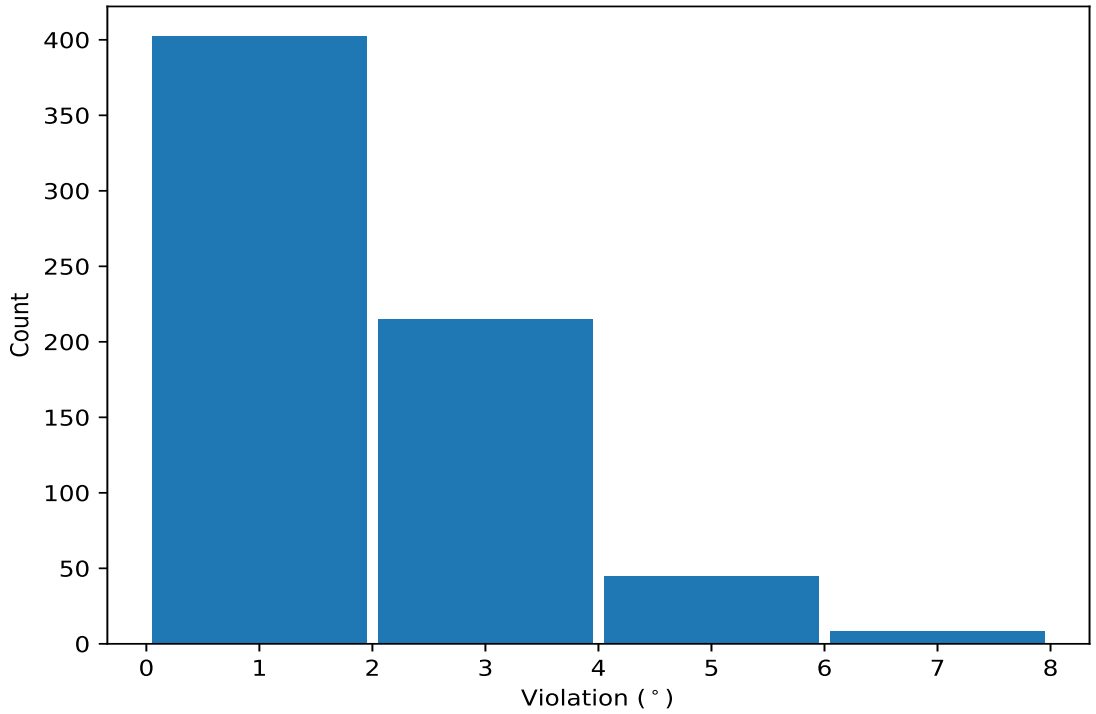
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,166)	1:779:B:THR:N	1:779:B:THR:CA	1:779:B:THR:C	1:780:B:ARG:N	3	1.36	0.05	1.38
(1,206)	1:799:B:LEU:N	1:799:B:LEU:CA	1:799:B:LEU:C	1:800:B:LEU:N	3	1.36	0.13	1.34
(1,54)	1:695:B:LEU:N	1:695:B:LEU:CA	1:695:B:LEU:C	1:696:B:ARG:N	3	1.33	0.27	1.23
(1,248)	1:820:B:ILE:N	1:820:B:ILE:CA	1:820:B:ILE:C	1:821:B:ALA:N	3	1.28	0.31	1.07
(1,192)	1:792:B:ALA:N	1:792:B:ALA:CA	1:792:B:ALA:C	1:793:B:LEU:N	3	1.22	0.11	1.23
(1,225)	1:808:B:LYS:C	1:809:B:ASN:N	1:809:B:ASN:CA	1:809:B:ASN:C	3	1.16	0.1	1.16
(1,187)	1:789:B:GLY:C	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	3	1.15	0.1	1.11
(1,141)	1:761:B:ARG:C	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	3	1.12	0.07	1.15
(1,21)	1:676:B:THR:C	1:677:B:ASN:N	1:677:B:ASN:CA	1:677:B:ASN:C	2	2.31	0.39	2.31
(1,247)	1:819:B:ALA:C	1:820:B:ILE:N	1:820:B:ILE:CA	1:820:B:ILE:C	2	1.94	0.44	1.94
(1,3)	1:664:B:ASP:C	1:665:B:LYS:N	1:665:B:LYS:CA	1:665:B:LYS:C	2	1.86	0.56	1.86
(1,129)	1:755:B:LEU:C	1:756:B:ILE:N	1:756:B:ILE:CA	1:756:B:ILE:C	2	1.86	0.07	1.86
(1,34)	1:685:B:PHE:N	1:685:B:PHE:CA	1:685:B:PHE:C	1:686:B:ILE:N	2	1.77	0.18	1.77
(1,128)	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	1:756:B:ILE:N	2	1.55	0.27	1.55
(1,113)	1:747:B:ARG:C	1:748:B:LEU:N	1:748:B:LEU:CA	1:748:B:LEU:C	2	1.54	0.05	1.54
(1,170)	1:781:B:ILE:N	1:781:B:ILE:CA	1:781:B:ILE:C	1:782:B:VAL:N	2	1.47	0.23	1.47
(1,2)	1:664:B:ASP:N	1:664:B:ASP:CA	1:664:B:ASP:C	1:665:B:LYS:N	2	1.44	0.26	1.44
(1,242)	1:817:B:ALA:N	1:817:B:ALA:CA	1:817:B:ALA:C	1:818:B:THR:N	2	1.41	0.11	1.41
(1,168)	1:780:B:ARG:N	1:780:B:ARG:CA	1:780:B:ARG:C	1:781:B:ILE:N	2	1.34	0.09	1.34
(1,35)	1:685:B:PHE:C	1:686:B:ILE:N	1:686:B:ILE:CA	1:686:B:ILE:C	2	1.3	0.06	1.3
(1,111)	1:746:B:ILE:C	1:747:B:ARG:N	1:747:B:ARG:CA	1:747:B:ARG:C	2	1.25	0.2	1.25
(1,211)	1:801:B:GLN:C	1:802:B:TYR:N	1:802:B:TYR:CA	1:802:B:TYR:C	2	1.24	0.09	1.24
(1,55)	1:695:B:LEU:C	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	2	1.21	0.09	1.21
(1,22)	1:677:B:ASN:N	1:677:B:ASN:CA	1:677:B:ASN:C	1:678:B:TRP:N	2	1.11	0.02	1.11
(1,175)	1:783:B:GLU:C	1:784:B:LEU:N	1:784:B:LEU:CA	1:784:B:LEU:C	2	1.11	0.1	1.11
(1,203)	1:797:B:TRP:C	1:798:B:ASN:N	1:798:B:ASN:CA	1:798:B:ASN:C	2	1.1	0.09	1.1
(1,174)	1:783:B:GLU:N	1:783:B:GLU:CA	1:783:B:GLU:C	1:784:B:LEU:N	2	1.09	0.06	1.09
(1,165)	1:778:B:VAL:C	1:779:B:THR:N	1:779:B:THR:CA	1:779:B:THR:C	2	1.04	0.02	1.04
(1,238)	1:815:B:LEU:N	1:815:B:LEU:CA	1:815:B:LEU:C	1:816:B:ASN:N	2	1.02	0.02	1.02

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

10.5 All violated dihedral-angle restraints (i)

10.5.1 Histogram : Distribution of violations (i)

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



10.5.2 Table: All violated dihedral-angle restraints

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 (°)
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	8	7.23
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	8	7.2
(1,133)	1:757:B:TRP:C	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	11	7.09
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	11	6.96
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	11	6.75
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	11	6.66
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	4	6.43
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	4	6.1
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	10	5.42
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	14	5.41
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	14	5.36
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	12	5.32
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	3	5.3
(1,133)	1:757:B:TRP:C	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	3	5.05
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	14	4.99
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	15	4.97
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	12	4.96
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	12	4.94
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	15	4.93
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	9	4.93
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	12	4.88

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	9	4.77
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	7	4.77
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	5	4.74
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	15	4.73
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	12	4.72
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	3	4.7
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	3	4.69
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	7	4.68
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	12	4.68
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	3	4.67
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	13	4.64
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	3	4.64
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	1	4.62
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	8	4.61
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	4	4.61
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	10	4.57
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	3	4.47
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	14	4.47
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	13	4.4
(1,134)	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	1:759:B:ASP:N	3	4.4
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	3	4.4
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	3	4.35
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	11	4.32
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	14	4.32
(1,136)	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	1:760:B:LEU:N	5	4.27
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	1	4.21
(1,135)	1:758:B:ASP:C	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	3	4.16
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	3	4.16
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	7	4.1
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	12	4.09
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	4	4.08
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	6	4.07
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	1	3.93
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	9	3.92
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	4	3.91
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	9	3.89
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	2	3.88
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	11	3.85
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	1	3.84
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	2	3.83
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	5	3.81
(1,133)	1:757:B:TRP:C	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	5	3.79
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	13	3.77
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	11	3.74
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	14	3.72
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	9	3.69
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	9	3.68
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	1	3.63
(1,136)	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	1:760:B:LEU:N	3	3.63
(1,134)	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	1:759:B:ASP:N	11	3.63
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	10	3.6

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	11	3.59
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	9	3.59
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	3	3.56
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	2	3.56
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	7	3.54
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	15	3.53
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	13	3.46
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	14	3.45
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	15	3.45
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	8	3.45
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	3	3.42
(1,212)	1:802:B:TYR:N	1:802:B:TYR:CA	1:802:B:TYR:C	1:803:B:TRP:N	9	3.41
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	6	3.41
(1,196)	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	1:795:B:TYR:N	12	3.4
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	6	3.4
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	5	3.37
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	6	3.34
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	3	3.33
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	2	3.3
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	8	3.29
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	11	3.29
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	8	3.26
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	2	3.26
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	13	3.23
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	15	3.22
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	6	3.22
(1,155)	1:773:B:ASP:C	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	3	3.21
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	8	3.21
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	12	3.18
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	7	3.17
(1,135)	1:758:B:ASP:C	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	5	3.15
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	11	3.15
(1,81)	1:708:B:VAL:C	1:709:B:ARG:N	1:709:B:ARG:CA	1:709:B:ARG:C	2	3.15
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	11	3.14
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	14	3.13
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	15	3.11
(1,135)	1:758:B:ASP:C	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	11	3.11
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	3	3.11
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	14	3.11
(1,210)	1:801:B:GLN:N	1:801:B:GLN:CA	1:801:B:GLN:C	1:802:B:TYR:N	9	3.09
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	5	3.09
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	15	3.08
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	12	3.06
(1,61)	1:698:B:VAL:C	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	11	3.03
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	2	3.02
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	13	3.01
(1,137)	1:759:B:ASP:C	1:760:B:LEU:N	1:760:B:LEU:CA	1:760:B:LEU:C	5	3.0
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	2	3.0
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	2	2.99
(1,20)	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	1:677:B:ASN:N	2	2.98
(1,156)	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	1:775:B:LEU:N	2	2.97

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	7	2.97
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	4	2.97
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	5	2.94
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	7	2.94
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	7	2.92
(1,188)	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	1:791:B:GLU:N	15	2.9
(1,144)	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	1:764:B:SER:N	2	2.9
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	2	2.88
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	10	2.86
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	14	2.85
(1,134)	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	1:759:B:ASP:N	5	2.85
(1,80)	1:708:B:VAL:N	1:708:B:VAL:CA	1:708:B:VAL:C	1:709:B:ARG:N	12	2.85
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	2	2.84
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	1	2.84
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	9	2.82
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	6	2.81
(1,120)	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1:752:B:SER:N	5	2.79
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	15	2.78
(1,88)	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	1:716:B:SER:N	9	2.78
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1	2.75
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	2	2.75
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	13	2.75
(1,58)	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	1:698:B:VAL:N	3	2.73
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	6	2.72
(1,85)	1:712:B:TYR:C	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	5	2.72
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	8	2.72
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	3	2.71
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	4	2.71
(1,272)	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	1:838:B:ARG:N	5	2.7
(1,21)	1:676:B:THR:C	1:677:B:ASN:N	1:677:B:ASN:CA	1:677:B:ASN:C	2	2.7
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	13	2.69
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	9	2.69
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	15	2.68
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	7	2.67
(1,81)	1:708:B:VAL:C	1:709:B:ARG:N	1:709:B:ARG:CA	1:709:B:ARG:C	12	2.67
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	1	2.67
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	9	2.67
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	11	2.66
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	15	2.64
(1,197)	1:794:B:LYS:C	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	12	2.63
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	9	2.62
(1,60)	1:698:B:VAL:N	1:698:B:VAL:CA	1:698:B:VAL:C	1:699:B:PHE:N	11	2.62
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	5	2.6
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	11	2.6
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	7	2.58
(1,120)	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1:752:B:SER:N	6	2.58
(1,80)	1:708:B:VAL:N	1:708:B:VAL:CA	1:708:B:VAL:C	1:709:B:ARG:N	2	2.56
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	8	2.56
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	6	2.54
(1,137)	1:759:B:ASP:C	1:760:B:LEU:N	1:760:B:LEU:CA	1:760:B:LEU:C	3	2.53
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	11	2.52

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	9	2.51
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	7	2.51
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	12	2.47
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	9	2.46
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	11	2.45
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	10	2.45
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	1	2.44
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	4	2.43
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	5	2.43
(1,3)	1:664:B:ASP:C	1:665:B:LYS:N	1:665:B:LYS:CA	1:665:B:LYS:C	9	2.42
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	8	2.41
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	1	2.41
(1,270)	1:836:B:ALA:N	1:836:B:ALA:CA	1:836:B:ALA:C	1:837:B:SER:N	4	2.4
(1,148)	1:770:B:ARG:N	1:770:B:ARG:CA	1:770:B:ARG:C	1:771:B:LEU:N	2	2.4
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	9	2.4
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	13	2.4
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	7	2.4
(1,81)	1:708:B:VAL:C	1:709:B:ARG:N	1:709:B:ARG:CA	1:709:B:ARG:C	13	2.4
(1,247)	1:819:B:ALA:C	1:820:B:ILE:N	1:820:B:ILE:CA	1:820:B:ILE:C	13	2.38
(1,61)	1:698:B:VAL:C	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	3	2.38
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	10	2.38
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	2	2.37
(1,194)	1:793:B:LEU:N	1:793:B:LEU:CA	1:793:B:LEU:C	1:794:B:LYS:N	5	2.36
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	10	2.36
(1,20)	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	1:677:B:ASN:N	8	2.35
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	11	2.34
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	4	2.34
(1,270)	1:836:B:ALA:N	1:836:B:ALA:CA	1:836:B:ALA:C	1:837:B:SER:N	5	2.33
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	2	2.33
(1,197)	1:794:B:LYS:C	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	14	2.3
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	7	2.3
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	12	2.3
(1,158)	1:775:B:LEU:N	1:775:B:LEU:CA	1:775:B:LEU:C	1:776:B:LEU:N	15	2.3
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	13	2.29
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	10	2.29
(1,196)	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	1:795:B:TYR:N	13	2.28
(1,185)	1:788:B:ARG:C	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	11	2.28
(1,133)	1:757:B:TRP:C	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	4	2.28
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	8	2.27
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	13	2.25
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	2	2.25
(1,121)	1:751:B:GLY:C	1:752:B:SER:N	1:752:B:SER:CA	1:752:B:SER:C	5	2.25
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	14	2.24
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	6	2.24
(1,120)	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1:752:B:SER:N	9	2.24
(1,133)	1:757:B:TRP:C	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	2	2.23
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	13	2.22
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	10	2.21
(1,62)	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1:700:B:ALA:N	5	2.21
(1,28)	1:682:B:ILE:N	1:682:B:ILE:CA	1:682:B:ILE:C	1:683:B:ARG:N	10	2.21
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	6	2.2

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	8	2.19
(1,163)	1:777:B:ILE:C	1:778:B:VAL:N	1:778:B:VAL:CA	1:778:B:VAL:C	2	2.19
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	12	2.17
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	3	2.17
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	3	2.17
(1,271)	1:836:B:ALA:C	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	4	2.16
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	12	2.16
(1,149)	1:770:B:ARG:C	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	7	2.16
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	9	2.15
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	4	2.15
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	5	2.14
(1,121)	1:751:B:GLY:C	1:752:B:SER:N	1:752:B:SER:CA	1:752:B:SER:C	9	2.14
(1,59)	1:697:B:ILE:C	1:698:B:VAL:N	1:698:B:VAL:CA	1:698:B:VAL:C	3	2.14
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	1	2.13
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	5	2.13
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	13	2.12
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	7	2.11
(1,85)	1:712:B:TYR:C	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	4	2.11
(1,196)	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	1:795:B:TYR:N	15	2.1
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	1	2.1
(1,157)	1:774:B:LEU:C	1:775:B:LEU:N	1:775:B:LEU:CA	1:775:B:LEU:C	2	2.09
(1,271)	1:836:B:ALA:C	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	5	2.08
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	11	2.08
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	1	2.07
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	4	2.07
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	13	2.07
(1,196)	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	1:795:B:TYR:N	5	2.06
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	2	2.06
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	6	2.05
(1,191)	1:791:B:GLU:C	1:792:B:ALA:N	1:792:B:ALA:CA	1:792:B:ALA:C	11	2.04
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	3	2.04
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	10	2.04
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	5	2.04
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	12	2.04
(1,131)	1:756:B:ILE:C	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	2	2.03
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	8	2.03
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	10	2.01
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	5	2.01
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	1	2.01
(1,158)	1:775:B:LEU:N	1:775:B:LEU:CA	1:775:B:LEU:C	1:776:B:LEU:N	1	2.0
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	10	2.0
(1,60)	1:698:B:VAL:N	1:698:B:VAL:CA	1:698:B:VAL:C	1:699:B:PHE:N	3	2.0
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	6	2.0
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	13	1.99
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	4	1.98
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	4	1.98
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	6	1.97
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	5	1.97
(1,169)	1:780:B:ARG:C	1:781:B:ILE:N	1:781:B:ILE:CA	1:781:B:ILE:C	15	1.96
(1,136)	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	1:760:B:LEU:N	11	1.96
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	11	1.96

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	7	1.95
(1,61)	1:698:B:VAL:C	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	14	1.95
(1,34)	1:685:B:PHE:N	1:685:B:PHE:CA	1:685:B:PHE:C	1:686:B:ILE:N	10	1.95
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	4	1.93
(1,129)	1:755:B:LEU:C	1:756:B:ILE:N	1:756:B:ILE:CA	1:756:B:ILE:C	7	1.93
(1,63)	1:699:B:PHE:C	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	5	1.93
(1,29)	1:682:B:ILE:C	1:683:B:ARG:N	1:683:B:ARG:CA	1:683:B:ARG:C	10	1.93
(1,184)	1:788:B:ARG:N	1:788:B:ARG:CA	1:788:B:ARG:C	1:789:B:GLY:N	11	1.92
(1,151)	1:771:B:LEU:C	1:772:B:ARG:N	1:772:B:ARG:CA	1:772:B:ARG:C	14	1.92
(1,88)	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	1:716:B:SER:N	10	1.92
(1,21)	1:676:B:THR:C	1:677:B:ASN:N	1:677:B:ASN:CA	1:677:B:ASN:C	8	1.92
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	11	1.91
(1,84)	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	1:711:B:GLY:N	4	1.91
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	6	1.9
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	13	1.89
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	2	1.89
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	7	1.89
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	6	1.88
(1,155)	1:773:B:ASP:C	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	10	1.87
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	14	1.87
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	8	1.87
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	9	1.86
(1,274)	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	1:839:B:ALA:N	2	1.85
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	13	1.85
(1,120)	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1:752:B:SER:N	11	1.84
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	1	1.84
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	11	1.84
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	5	1.84
(1,270)	1:836:B:ALA:N	1:836:B:ALA:CA	1:836:B:ALA:C	1:837:B:SER:N	2	1.83
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	1	1.83
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	5	1.83
(1,144)	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	1:764:B:SER:N	13	1.82
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	14	1.82
(1,128)	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	1:756:B:ILE:N	11	1.82
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	1	1.81
(1,172)	1:782:B:VAL:N	1:782:B:VAL:CA	1:782:B:VAL:C	1:783:B:GLU:N	13	1.81
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	8	1.8
(1,250)	1:826:B:THR:N	1:826:B:THR:CA	1:826:B:THR:C	1:827:B:ASP:N	6	1.79
(1,129)	1:755:B:LEU:C	1:756:B:ILE:N	1:756:B:ILE:CA	1:756:B:ILE:C	2	1.79
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	5	1.79
(1,80)	1:708:B:VAL:N	1:708:B:VAL:CA	1:708:B:VAL:C	1:709:B:ARG:N	3	1.79
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	12	1.79
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	7	1.78
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	10	1.78
(1,81)	1:708:B:VAL:C	1:709:B:ARG:N	1:709:B:ARG:CA	1:709:B:ARG:C	14	1.78
(1,272)	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	1:838:B:ARG:N	2	1.77
(1,163)	1:777:B:ILE:C	1:778:B:VAL:N	1:778:B:VAL:CA	1:778:B:VAL:C	1	1.76
(1,121)	1:751:B:GLY:C	1:752:B:SER:N	1:752:B:SER:CA	1:752:B:SER:C	1	1.76
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	14	1.76
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	4	1.76
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	11	1.75

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,47)	1:691:B:SER:C	1:692:B:LEU:N	1:692:B:LEU:CA	1:692:B:LEU:C	1	1.75
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	4	1.75
(1,213)	1:802:B:TYR:C	1:803:B:TRP:N	1:803:B:TRP:CA	1:803:B:TRP:C	9	1.74
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	13	1.73
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	12	1.73
(1,248)	1:820:B:ILE:N	1:820:B:ILE:CA	1:820:B:ILE:C	1:821:B:ALA:N	12	1.72
(1,136)	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	1:760:B:LEU:N	2	1.72
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	4	1.72
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	10	1.71
(1,170)	1:781:B:ILE:N	1:781:B:ILE:CA	1:781:B:ILE:C	1:782:B:VAL:N	15	1.7
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	13	1.7
(1,120)	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1:752:B:SER:N	1	1.7
(1,54)	1:695:B:LEU:N	1:695:B:LEU:CA	1:695:B:LEU:C	1:696:B:ARG:N	12	1.7
(1,2)	1:664:B:ASP:N	1:664:B:ASP:CA	1:664:B:ASP:C	1:665:B:LYS:N	9	1.7
(1,156)	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	1:775:B:LEU:N	14	1.69
(1,126)	1:754:B:ALA:N	1:754:B:ALA:CA	1:754:B:ALA:C	1:755:B:LEU:N	10	1.69
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	12	1.69
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	14	1.68
(1,61)	1:698:B:VAL:C	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	15	1.68
(1,155)	1:773:B:ASP:C	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	6	1.67
(1,137)	1:759:B:ASP:C	1:760:B:LEU:N	1:760:B:LEU:CA	1:760:B:LEU:C	1	1.67
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	13	1.67
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	2	1.67
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	10	1.66
(1,80)	1:708:B:VAL:N	1:708:B:VAL:CA	1:708:B:VAL:C	1:709:B:ARG:N	13	1.66
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	11	1.66
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	5	1.65
(1,131)	1:756:B:ILE:C	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	3	1.65
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	11	1.64
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	2	1.64
(1,272)	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	1:838:B:ARG:N	4	1.63
(1,250)	1:826:B:THR:N	1:826:B:THR:CA	1:826:B:THR:C	1:827:B:ASP:N	1	1.63
(1,250)	1:826:B:THR:N	1:826:B:THR:CA	1:826:B:THR:C	1:827:B:ASP:N	4	1.63
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	12	1.63
(1,120)	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1:752:B:SER:N	12	1.63
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	11	1.63
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	6	1.63
(1,61)	1:698:B:VAL:C	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	10	1.62
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	14	1.62
(1,144)	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	1:764:B:SER:N	6	1.61
(1,81)	1:708:B:VAL:C	1:709:B:ARG:N	1:709:B:ARG:CA	1:709:B:ARG:C	6	1.61
(1,136)	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	1:760:B:LEU:N	1	1.6
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	5	1.6
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	6	1.6
(1,222)	1:807:B:LEU:N	1:807:B:LEU:CA	1:807:B:LEU:C	1:808:B:LYS:N	4	1.59
(1,151)	1:771:B:LEU:C	1:772:B:ARG:N	1:772:B:ARG:CA	1:772:B:ARG:C	3	1.59
(1,134)	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	1:759:B:ASP:N	4	1.59
(1,113)	1:747:B:ARG:C	1:748:B:LEU:N	1:748:B:LEU:CA	1:748:B:LEU:C	13	1.59
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	11	1.59
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	9	1.59
(1,34)	1:685:B:PHE:N	1:685:B:PHE:CA	1:685:B:PHE:C	1:686:B:ILE:N	15	1.59

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	12	1.58
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	14	1.58
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	7	1.58
(1,122)	1:752:B:SER:N	1:752:B:SER:CA	1:752:B:SER:C	1:753:B:LEU:N	3	1.57
(1,210)	1:801:B:GLN:N	1:801:B:GLN:CA	1:801:B:GLN:C	1:802:B:TYR:N	13	1.56
(1,202)	1:797:B:TRP:N	1:797:B:TRP:CA	1:797:B:TRP:C	1:798:B:ASN:N	9	1.56
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	6	1.56
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	15	1.56
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	12	1.56
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	5	1.55
(1,100)	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	1:742:B:ARG:N	3	1.55
(1,196)	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	1:795:B:TYR:N	11	1.54
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	14	1.54
(1,185)	1:788:B:ARG:C	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	3	1.54
(1,121)	1:751:B:GLY:C	1:752:B:SER:N	1:752:B:SER:CA	1:752:B:SER:C	6	1.54
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	14	1.54
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	10	1.54
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	13	1.54
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	12	1.54
(1,206)	1:799:B:LEU:N	1:799:B:LEU:CA	1:799:B:LEU:C	1:800:B:LEU:N	13	1.53
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	10	1.53
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	11	1.53
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	15	1.53
(1,242)	1:817:B:ALA:N	1:817:B:ALA:CA	1:817:B:ALA:C	1:818:B:THR:N	12	1.52
(1,184)	1:788:B:ARG:N	1:788:B:ARG:CA	1:788:B:ARG:C	1:789:B:GLY:N	3	1.52
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	5	1.52
(1,271)	1:836:B:ALA:C	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	2	1.51
(1,246)	1:819:B:ALA:N	1:819:B:ALA:CA	1:819:B:ALA:C	1:820:B:ILE:N	13	1.51
(1,150)	1:771:B:LEU:N	1:771:B:LEU:CA	1:771:B:LEU:C	1:772:B:ARG:N	11	1.51
(1,123)	1:752:B:SER:C	1:753:B:LEU:N	1:753:B:LEU:CA	1:753:B:LEU:C	6	1.51
(1,172)	1:782:B:VAL:N	1:782:B:VAL:CA	1:782:B:VAL:C	1:783:B:GLU:N	10	1.5
(1,144)	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	1:764:B:SER:N	3	1.5
(1,47)	1:691:B:SER:C	1:692:B:LEU:N	1:692:B:LEU:CA	1:692:B:LEU:C	14	1.5
(1,247)	1:819:B:ALA:C	1:820:B:ILE:N	1:820:B:ILE:CA	1:820:B:ILE:C	6	1.49
(1,179)	1:785:B:LEU:C	1:786:B:GLY:N	1:786:B:GLY:CA	1:786:B:GLY:C	4	1.49
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	1	1.49
(1,151)	1:771:B:LEU:C	1:772:B:ARG:N	1:772:B:ARG:CA	1:772:B:ARG:C	1	1.49
(1,135)	1:758:B:ASP:C	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	4	1.49
(1,113)	1:747:B:ARG:C	1:748:B:LEU:N	1:748:B:LEU:CA	1:748:B:LEU:C	3	1.49
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	2	1.49
(1,197)	1:794:B:LYS:C	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	11	1.48
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	1	1.48
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	6	1.48
(1,119)	1:750:B:ASN:C	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	8	1.48
(1,198)	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	1:796:B:TRP:N	8	1.47
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	15	1.47
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	4	1.47
(1,197)	1:794:B:LYS:C	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	15	1.46
(1,123)	1:752:B:SER:C	1:753:B:LEU:N	1:753:B:LEU:CA	1:753:B:LEU:C	3	1.46
(1,272)	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	1:838:B:ARG:N	8	1.45
(1,111)	1:746:B:ILE:C	1:747:B:ARG:N	1:747:B:ARG:CA	1:747:B:ARG:C	7	1.45

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	5	1.44
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	15	1.44
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	4	1.43
(1,168)	1:780:B:ARG:N	1:780:B:ARG:CA	1:780:B:ARG:C	1:781:B:ILE:N	15	1.43
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	2	1.43
(1,202)	1:797:B:TRP:N	1:797:B:TRP:CA	1:797:B:TRP:C	1:798:B:ASN:N	3	1.42
(1,197)	1:794:B:LYS:C	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	5	1.42
(1,156)	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	1:775:B:LEU:N	5	1.42
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	14	1.42
(1,64)	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	1:701:B:VAL:N	10	1.42
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	2	1.41
(1,166)	1:779:B:THR:N	1:779:B:THR:CA	1:779:B:THR:C	1:780:B:ARG:N	5	1.41
(1,142)	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	1:763:B:LEU:N	4	1.41
(1,135)	1:758:B:ASP:C	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	2	1.41
(1,120)	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1:752:B:SER:N	4	1.41
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	4	1.41
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	11	1.41
(1,64)	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	1:701:B:VAL:N	14	1.41
(1,196)	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	1:795:B:TYR:N	14	1.4
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	12	1.4
(1,88)	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	1:716:B:SER:N	3	1.4
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	12	1.4
(1,273)	1:837:B:SER:C	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	5	1.39
(1,243)	1:817:B:ALA:C	1:818:B:THR:N	1:818:B:THR:CA	1:818:B:THR:C	12	1.39
(1,163)	1:777:B:ILE:C	1:778:B:VAL:N	1:778:B:VAL:CA	1:778:B:VAL:C	14	1.39
(1,133)	1:757:B:TRP:C	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	8	1.39
(1,81)	1:708:B:VAL:C	1:709:B:ARG:N	1:709:B:ARG:CA	1:709:B:ARG:C	3	1.39
(1,273)	1:837:B:SER:C	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	2	1.38
(1,166)	1:779:B:THR:N	1:779:B:THR:CA	1:779:B:THR:C	1:780:B:ARG:N	13	1.38
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	15	1.38
(1,210)	1:801:B:GLN:N	1:801:B:GLN:CA	1:801:B:GLN:C	1:802:B:TYR:N	7	1.37
(1,195)	1:793:B:LEU:C	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	15	1.37
(1,185)	1:788:B:ARG:C	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	10	1.37
(1,84)	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	1:711:B:GLY:N	3	1.37
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	5	1.37
(1,274)	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	1:839:B:ALA:N	12	1.36
(1,35)	1:685:B:PHE:C	1:686:B:ILE:N	1:686:B:ILE:CA	1:686:B:ILE:C	10	1.36
(1,27)	1:681:B:TYR:C	1:682:B:ILE:N	1:682:B:ILE:CA	1:682:B:ILE:C	10	1.36
(1,194)	1:793:B:LEU:N	1:793:B:LEU:CA	1:793:B:LEU:C	1:794:B:LYS:N	13	1.35
(1,192)	1:792:B:ALA:N	1:792:B:ALA:CA	1:792:B:ALA:C	1:793:B:LEU:N	5	1.35
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	1	1.35
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	4	1.35
(1,97)	1:739:B:GLU:C	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	14	1.35
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	6	1.35
(1,47)	1:691:B:SER:C	1:692:B:LEU:N	1:692:B:LEU:CA	1:692:B:LEU:C	7	1.35
(1,206)	1:799:B:LEU:N	1:799:B:LEU:CA	1:799:B:LEU:C	1:800:B:LEU:N	5	1.34
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	4	1.34
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	13	1.34
(1,121)	1:751:B:GLY:C	1:752:B:SER:N	1:752:B:SER:CA	1:752:B:SER:C	12	1.34
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	15	1.34
(1,64)	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	1:701:B:VAL:N	1	1.34

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,211)	1:801:B:GLN:C	1:802:B:TYR:N	1:802:B:TYR:CA	1:802:B:TYR:C	7	1.33
(1,120)	1:751:B:GLY:N	1:751:B:GLY:CA	1:751:B:GLY:C	1:752:B:SER:N	14	1.33
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	1	1.33
(1,274)	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	1:839:B:ALA:N	5	1.32
(1,196)	1:794:B:LYS:N	1:794:B:LYS:CA	1:794:B:LYS:C	1:795:B:TYR:N	9	1.32
(1,179)	1:785:B:LEU:C	1:786:B:GLY:N	1:786:B:GLY:CA	1:786:B:GLY:C	9	1.31
(1,84)	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	1:711:B:GLY:N	11	1.31
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	11	1.31
(1,242)	1:817:B:ALA:N	1:817:B:ALA:CA	1:817:B:ALA:C	1:818:B:THR:N	4	1.3
(1,202)	1:797:B:TRP:N	1:797:B:TRP:CA	1:797:B:TRP:C	1:798:B:ASN:N	10	1.3
(1,166)	1:779:B:THR:N	1:779:B:THR:CA	1:779:B:THR:C	1:780:B:ARG:N	1	1.3
(1,55)	1:695:B:LEU:C	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	12	1.3
(1,3)	1:664:B:ASP:C	1:665:B:LYS:N	1:665:B:LYS:CA	1:665:B:LYS:C	14	1.3
(1,225)	1:808:B:LYS:C	1:809:B:ASN:N	1:809:B:ASN:CA	1:809:B:ASN:C	8	1.29
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	8	1.29
(1,187)	1:789:B:GLY:C	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	7	1.29
(1,186)	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	1:790:B:TRP:N	7	1.29
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	12	1.29
(1,271)	1:836:B:ALA:C	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	8	1.28
(1,214)	1:803:B:TRP:N	1:803:B:TRP:CA	1:803:B:TRP:C	1:804:B:SER:N	9	1.28
(1,133)	1:757:B:TRP:C	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	7	1.28
(1,128)	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	1:756:B:ILE:N	6	1.28
(1,47)	1:691:B:SER:C	1:692:B:LEU:N	1:692:B:LEU:CA	1:692:B:LEU:C	13	1.28
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	5	1.28
(1,216)	1:804:B:SER:N	1:804:B:SER:CA	1:804:B:SER:C	1:805:B:GLN:N	7	1.27
(1,178)	1:785:B:LEU:N	1:785:B:LEU:CA	1:785:B:LEU:C	1:786:B:GLY:N	4	1.27
(1,155)	1:773:B:ASP:C	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	11	1.27
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	15	1.27
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	6	1.27
(1,25)	1:678:B:TRP:C	1:679:B:LEU:N	1:679:B:LEU:CA	1:679:B:LEU:C	10	1.27
(1,184)	1:788:B:ARG:N	1:788:B:ARG:CA	1:788:B:ARG:C	1:789:B:GLY:N	10	1.26
(1,171)	1:781:B:ILE:C	1:782:B:VAL:N	1:782:B:VAL:CA	1:782:B:VAL:C	3	1.26
(1,155)	1:773:B:ASP:C	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	12	1.26
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	5	1.26
(1,20)	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	1:677:B:ASN:N	7	1.26
(1,1)	1:663:B:LEU:C	1:664:B:ASP:N	1:664:B:ASP:CA	1:664:B:ASP:C	10	1.26
(1,270)	1:836:B:ALA:N	1:836:B:ALA:CA	1:836:B:ALA:C	1:837:B:SER:N	8	1.25
(1,159)	1:775:B:LEU:C	1:776:B:LEU:N	1:776:B:LEU:CA	1:776:B:LEU:C	10	1.25
(1,135)	1:758:B:ASP:C	1:759:B:ASP:N	1:759:B:ASP:CA	1:759:B:ASP:C	8	1.25
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	6	1.25
(1,64)	1:700:B:ALA:N	1:700:B:ALA:CA	1:700:B:ALA:C	1:701:B:VAL:N	12	1.25
(1,194)	1:793:B:LEU:N	1:793:B:LEU:CA	1:793:B:LEU:C	1:794:B:LYS:N	11	1.24
(1,170)	1:781:B:ILE:N	1:781:B:ILE:CA	1:781:B:ILE:C	1:782:B:VAL:N	14	1.24
(1,168)	1:780:B:ARG:N	1:780:B:ARG:CA	1:780:B:ARG:C	1:781:B:ILE:N	11	1.24
(1,145)	1:763:B:LEU:C	1:764:B:SER:N	1:764:B:SER:CA	1:764:B:SER:C	4	1.24
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	10	1.24
(1,35)	1:685:B:PHE:C	1:686:B:ILE:N	1:686:B:ILE:CA	1:686:B:ILE:C	15	1.24
(1,192)	1:792:B:ALA:N	1:792:B:ALA:CA	1:792:B:ALA:C	1:793:B:LEU:N	11	1.23
(1,163)	1:777:B:ILE:C	1:778:B:VAL:N	1:778:B:VAL:CA	1:778:B:VAL:C	5	1.23
(1,143)	1:762:B:SER:C	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	5	1.23
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	15	1.23

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,54)	1:695:B:LEU:N	1:695:B:LEU:CA	1:695:B:LEU:C	1:696:B:ARG:N	5	1.23
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	9	1.22
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	11	1.22
(1,206)	1:799:B:LEU:N	1:799:B:LEU:CA	1:799:B:LEU:C	1:800:B:LEU:N	7	1.22
(1,197)	1:794:B:LYS:C	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	13	1.22
(1,137)	1:759:B:ASP:C	1:760:B:LEU:N	1:760:B:LEU:CA	1:760:B:LEU:C	2	1.22
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	15	1.22
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	9	1.22
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	3	1.22
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	15	1.22
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	8	1.22
(1,274)	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	1:839:B:ALA:N	4	1.21
(1,274)	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	1:839:B:ALA:N	8	1.21
(1,175)	1:783:B:GLU:C	1:784:B:LEU:N	1:784:B:LEU:CA	1:784:B:LEU:C	15	1.21
(1,156)	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	1:775:B:LEU:N	13	1.21
(1,134)	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	1:759:B:ASP:N	2	1.21
(1,61)	1:698:B:VAL:C	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	9	1.21
(1,186)	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	1:790:B:TRP:N	3	1.2
(1,172)	1:782:B:VAL:N	1:782:B:VAL:CA	1:782:B:VAL:C	1:783:B:GLU:N	15	1.2
(1,131)	1:756:B:ILE:C	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	15	1.2
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	14	1.2
(1,203)	1:797:B:TRP:C	1:798:B:ASN:N	1:798:B:ASN:CA	1:798:B:ASN:C	9	1.19
(1,158)	1:775:B:LEU:N	1:775:B:LEU:CA	1:775:B:LEU:C	1:776:B:LEU:N	9	1.19
(1,141)	1:761:B:ARG:C	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	12	1.19
(1,99)	1:740:B:ARG:C	1:741:B:ASP:N	1:741:B:ASP:CA	1:741:B:ASP:C	2	1.19
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	3	1.19
(1,23)	1:677:B:ASN:C	1:678:B:TRP:N	1:678:B:TRP:CA	1:678:B:TRP:C	4	1.19
(1,250)	1:826:B:THR:N	1:826:B:THR:CA	1:826:B:THR:C	1:827:B:ASP:N	15	1.18
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	14	1.18
(1,72)	1:704:B:LEU:N	1:704:B:LEU:CA	1:704:B:LEU:C	1:705:B:VAL:N	10	1.18
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	8	1.18
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	7	1.18
(1,186)	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	1:790:B:TRP:N	11	1.17
(1,185)	1:788:B:ARG:C	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	5	1.17
(1,79)	1:707:B:ARG:C	1:708:B:VAL:N	1:708:B:VAL:CA	1:708:B:VAL:C	3	1.17
(1,2)	1:664:B:ASP:N	1:664:B:ASP:CA	1:664:B:ASP:C	1:665:B:LYS:N	14	1.17
(1,225)	1:808:B:LYS:C	1:809:B:ASN:N	1:809:B:ASN:CA	1:809:B:ASN:C	11	1.16
(1,138)	1:760:B:LEU:N	1:760:B:LEU:CA	1:760:B:LEU:C	1:761:B:ARG:N	13	1.16
(1,137)	1:759:B:ASP:C	1:760:B:LEU:N	1:760:B:LEU:CA	1:760:B:LEU:C	12	1.16
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	8	1.16
(1,273)	1:837:B:SER:C	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	1	1.15
(1,223)	1:807:B:LEU:C	1:808:B:LYS:N	1:808:B:LYS:CA	1:808:B:LYS:C	4	1.15
(1,211)	1:801:B:GLN:C	1:802:B:TYR:N	1:802:B:TYR:CA	1:802:B:TYR:C	5	1.15
(1,174)	1:783:B:GLU:N	1:783:B:GLU:CA	1:783:B:GLU:C	1:784:B:LEU:N	15	1.15
(1,158)	1:775:B:LEU:N	1:775:B:LEU:CA	1:775:B:LEU:C	1:776:B:LEU:N	2	1.15
(1,144)	1:763:B:LEU:N	1:763:B:LEU:CA	1:763:B:LEU:C	1:764:B:SER:N	9	1.15
(1,141)	1:761:B:ARG:C	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	11	1.15
(1,123)	1:752:B:SER:C	1:753:B:LEU:N	1:753:B:LEU:CA	1:753:B:LEU:C	10	1.15
(1,98)	1:740:B:ARG:N	1:740:B:ARG:CA	1:740:B:ARG:C	1:741:B:ASP:N	10	1.15
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	15	1.14
(1,186)	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	1:790:B:TRP:N	12	1.14

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	6	1.14
(1,162)	1:777:B:ILE:N	1:777:B:ILE:CA	1:777:B:ILE:C	1:778:B:VAL:N	13	1.14
(1,158)	1:775:B:LEU:N	1:775:B:LEU:CA	1:775:B:LEU:C	1:776:B:LEU:N	3	1.14
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	2	1.14
(1,273)	1:837:B:SER:C	1:838:B:ARG:N	1:838:B:ARG:CA	1:838:B:ARG:C	4	1.13
(1,179)	1:785:B:LEU:C	1:786:B:GLY:N	1:786:B:GLY:CA	1:786:B:GLY:C	10	1.13
(1,86)	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	1:714:B:PRO:N	2	1.13
(1,61)	1:698:B:VAL:C	1:699:B:PHE:N	1:699:B:PHE:CA	1:699:B:PHE:C	1	1.13
(1,57)	1:696:B:ARG:C	1:697:B:ILE:N	1:697:B:ILE:CA	1:697:B:ILE:C	10	1.13
(1,55)	1:695:B:LEU:C	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	5	1.13
(1,47)	1:691:B:SER:C	1:692:B:LEU:N	1:692:B:LEU:CA	1:692:B:LEU:C	5	1.13
(1,22)	1:677:B:ASN:N	1:677:B:ASN:CA	1:677:B:ASN:C	1:678:B:TRP:N	2	1.13
(1,208)	1:800:B:LEU:N	1:800:B:LEU:CA	1:800:B:LEU:C	1:801:B:GLN:N	11	1.12
(1,197)	1:794:B:LYS:C	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	1	1.12
(1,156)	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	1:775:B:LEU:N	8	1.12
(1,153)	1:772:B:ARG:C	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	9	1.12
(1,81)	1:708:B:VAL:C	1:709:B:ARG:N	1:709:B:ARG:CA	1:709:B:ARG:C	9	1.12
(1,47)	1:691:B:SER:C	1:692:B:LEU:N	1:692:B:LEU:CA	1:692:B:LEU:C	2	1.12
(1,46)	1:691:B:SER:N	1:691:B:SER:CA	1:691:B:SER:C	1:692:B:LEU:N	4	1.12
(1,187)	1:789:B:GLY:C	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	11	1.11
(1,179)	1:785:B:LEU:C	1:786:B:GLY:N	1:786:B:GLY:CA	1:786:B:GLY:C	3	1.11
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	10	1.11
(1,76)	1:706:B:ASN:N	1:706:B:ASN:CA	1:706:B:ASN:C	1:707:B:ARG:N	5	1.11
(1,20)	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	1:677:B:ASN:N	12	1.11
(1,18)	1:675:B:ILE:N	1:675:B:ILE:CA	1:675:B:ILE:C	1:676:B:THR:N	3	1.11
(1,194)	1:793:B:LEU:N	1:793:B:LEU:CA	1:793:B:LEU:C	1:794:B:LYS:N	9	1.1
(1,130)	1:756:B:ILE:N	1:756:B:ILE:CA	1:756:B:ILE:C	1:757:B:TRP:N	2	1.1
(1,127)	1:754:B:ALA:C	1:755:B:LEU:N	1:755:B:LEU:CA	1:755:B:LEU:C	6	1.1
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	11	1.1
(1,250)	1:826:B:THR:N	1:826:B:THR:CA	1:826:B:THR:C	1:827:B:ASP:N	9	1.09
(1,197)	1:794:B:LYS:C	1:795:B:TYR:N	1:795:B:TYR:CA	1:795:B:TYR:C	9	1.09
(1,192)	1:792:B:ALA:N	1:792:B:ALA:CA	1:792:B:ALA:C	1:793:B:LEU:N	13	1.09
(1,155)	1:773:B:ASP:C	1:774:B:LEU:N	1:774:B:LEU:CA	1:774:B:LEU:C	5	1.09
(1,154)	1:773:B:ASP:N	1:773:B:ASP:CA	1:773:B:ASP:C	1:774:B:LEU:N	1	1.09
(1,80)	1:708:B:VAL:N	1:708:B:VAL:CA	1:708:B:VAL:C	1:709:B:ARG:N	14	1.09
(1,22)	1:677:B:ASN:N	1:677:B:ASN:CA	1:677:B:ASN:C	1:678:B:TRP:N	9	1.09
(1,189)	1:790:B:TRP:C	1:791:B:GLU:N	1:791:B:GLU:CA	1:791:B:GLU:C	14	1.08
(1,185)	1:788:B:ARG:C	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	9	1.08
(1,69)	1:702:B:LEU:C	1:703:B:SER:N	1:703:B:SER:CA	1:703:B:SER:C	2	1.08
(1,56)	1:696:B:ARG:N	1:696:B:ARG:CA	1:696:B:ARG:C	1:697:B:ILE:N	8	1.08
(1,248)	1:820:B:ILE:N	1:820:B:ILE:CA	1:820:B:ILE:C	1:821:B:ALA:N	2	1.07
(1,186)	1:789:B:GLY:N	1:789:B:GLY:CA	1:789:B:GLY:C	1:790:B:TRP:N	4	1.07
(1,116)	1:749:B:VAL:N	1:749:B:VAL:CA	1:749:B:VAL:C	1:750:B:ASN:N	2	1.07
(1,85)	1:712:B:TYR:C	1:713:B:SER:N	1:713:B:SER:CA	1:713:B:SER:C	9	1.07
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	4	1.07
(1,187)	1:789:B:GLY:C	1:790:B:TRP:N	1:790:B:TRP:CA	1:790:B:TRP:C	12	1.06
(1,47)	1:691:B:SER:C	1:692:B:LEU:N	1:692:B:LEU:CA	1:692:B:LEU:C	4	1.06
(1,165)	1:778:B:VAL:C	1:779:B:THR:N	1:779:B:THR:CA	1:779:B:THR:C	13	1.05
(1,111)	1:746:B:ILE:C	1:747:B:ARG:N	1:747:B:ARG:CA	1:747:B:ARG:C	6	1.05
(1,54)	1:695:B:LEU:N	1:695:B:LEU:CA	1:695:B:LEU:C	1:696:B:ARG:N	15	1.05
(1,50)	1:693:B:ILE:N	1:693:B:ILE:CA	1:693:B:ILE:C	1:694:B:GLY:N	10	1.05

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,291)	1:851:B:LEU:C	1:852:B:GLU:N	1:852:B:GLU:CA	1:852:B:GLU:C	11	1.04
(1,248)	1:820:B:ILE:N	1:820:B:ILE:CA	1:820:B:ILE:C	1:821:B:ALA:N	6	1.04
(1,238)	1:815:B:LEU:N	1:815:B:LEU:CA	1:815:B:LEU:C	1:816:B:ASN:N	15	1.04
(1,234)	1:813:B:SER:N	1:813:B:SER:CA	1:813:B:SER:C	1:814:B:LEU:N	5	1.04
(1,225)	1:808:B:LYS:C	1:809:B:ASN:N	1:809:B:ASN:CA	1:809:B:ASN:C	2	1.04
(1,191)	1:791:B:GLU:C	1:792:B:ALA:N	1:792:B:ALA:CA	1:792:B:ALA:C	12	1.04
(1,134)	1:758:B:ASP:N	1:758:B:ASP:CA	1:758:B:ASP:C	1:759:B:ASP:N	8	1.04
(1,47)	1:691:B:SER:C	1:692:B:LEU:N	1:692:B:LEU:CA	1:692:B:LEU:C	3	1.04
(1,272)	1:837:B:SER:N	1:837:B:SER:CA	1:837:B:SER:C	1:838:B:ARG:N	1	1.03
(1,217)	1:804:B:SER:C	1:805:B:GLN:N	1:805:B:GLN:CA	1:805:B:GLN:C	7	1.03
(1,174)	1:783:B:GLU:N	1:783:B:GLU:CA	1:783:B:GLU:C	1:784:B:LEU:N	13	1.03
(1,141)	1:761:B:ARG:C	1:762:B:SER:N	1:762:B:SER:CA	1:762:B:SER:C	10	1.03
(1,118)	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	1:751:B:GLY:N	8	1.03
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	13	1.03
(1,60)	1:698:B:VAL:N	1:698:B:VAL:CA	1:698:B:VAL:C	1:699:B:PHE:N	14	1.03
(1,20)	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	1:677:B:ASN:N	11	1.03
(1,224)	1:808:B:LYS:N	1:808:B:LYS:CA	1:808:B:LYS:C	1:809:B:ASN:N	2	1.02
(1,191)	1:791:B:GLU:C	1:792:B:ALA:N	1:792:B:ALA:CA	1:792:B:ALA:C	9	1.02
(1,165)	1:778:B:VAL:C	1:779:B:THR:N	1:779:B:THR:CA	1:779:B:THR:C	2	1.02
(1,117)	1:749:B:VAL:C	1:750:B:ASN:N	1:750:B:ASN:CA	1:750:B:ASN:C	2	1.02
(1,68)	1:702:B:LEU:N	1:702:B:LEU:CA	1:702:B:LEU:C	1:703:B:SER:N	7	1.02
(1,24)	1:678:B:TRP:N	1:678:B:TRP:CA	1:678:B:TRP:C	1:679:B:LEU:N	10	1.02
(1,19)	1:675:B:ILE:C	1:676:B:THR:N	1:676:B:THR:CA	1:676:B:THR:C	3	1.02
(1,251)	1:826:B:THR:C	1:827:B:ASP:N	1:827:B:ASP:CA	1:827:B:ASP:C	5	1.01
(1,203)	1:797:B:TRP:C	1:798:B:ASN:N	1:798:B:ASN:CA	1:798:B:ASN:C	10	1.01
(1,191)	1:791:B:GLU:C	1:792:B:ALA:N	1:792:B:ALA:CA	1:792:B:ALA:C	15	1.01
(1,179)	1:785:B:LEU:C	1:786:B:GLY:N	1:786:B:GLY:CA	1:786:B:GLY:C	1	1.01
(1,175)	1:783:B:GLU:C	1:784:B:LEU:N	1:784:B:LEU:CA	1:784:B:LEU:C	13	1.01
(1,151)	1:771:B:LEU:C	1:772:B:ARG:N	1:772:B:ARG:CA	1:772:B:ARG:C	8	1.01
(1,132)	1:757:B:TRP:N	1:757:B:TRP:CA	1:757:B:TRP:C	1:758:B:ASP:N	6	1.01
(1,87)	1:714:B:PRO:C	1:715:B:LEU:N	1:715:B:LEU:CA	1:715:B:LEU:C	8	1.01
(1,83)	1:709:B:ARG:C	1:710:B:GLN:N	1:710:B:GLN:CA	1:710:B:GLN:C	5	1.01
(1,60)	1:698:B:VAL:N	1:698:B:VAL:CA	1:698:B:VAL:C	1:699:B:PHE:N	15	1.01
(1,5)	1:665:B:LYS:C	1:666:B:TRP:N	1:666:B:TRP:CA	1:666:B:TRP:C	15	1.01
(1,256)	1:829:B:VAL:N	1:829:B:VAL:CA	1:829:B:VAL:C	1:830:B:ILE:N	6	1.0
(1,250)	1:826:B:THR:N	1:826:B:THR:CA	1:826:B:THR:C	1:827:B:ASP:N	2	1.0
(1,238)	1:815:B:LEU:N	1:815:B:LEU:CA	1:815:B:LEU:C	1:816:B:ASN:N	2	1.0