Full wwPDB NMR Structure Validation Report (i)

Mar 5, 2026 – 11:49 PM UTC

PDB ID	:	7LOH / pdb_00007loh
BMRB ID	:	30855
Title	:	Structure of the HIV-1 gp41 transmembrane domain and cytoplasmic tail
Authors	:	Piai, A.; Fu, Q.; Sharp, A.K.; Bighi, B.; Brown, A.M.; Chou, J.J.
Deposited on	:	2021-02-10

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

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

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

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

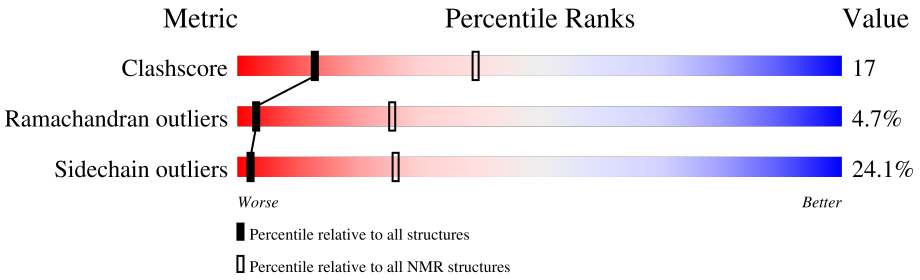
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 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	180	39% 34% 6% 8% 12%
1	B	180	46% 29% 6% 7% 12%
1	C	180	46% 32% • 7% 12%

2 Ensemble composition and analysis

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

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

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

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

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

The models can be grouped into 4 clusters. No single-model clusters were found.

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

3 Entry composition (i)

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

- Molecule 1 is a protein called Transmembrane protein gp41.

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

There are 24 discrepancies between the modelled and reference sequences:

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

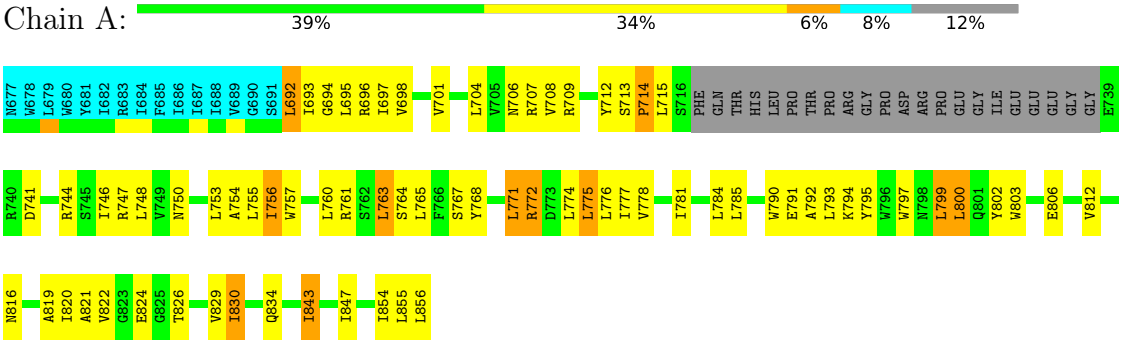
4 Residue-property plots

4.1 Average score per residue in the NMR ensemble

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

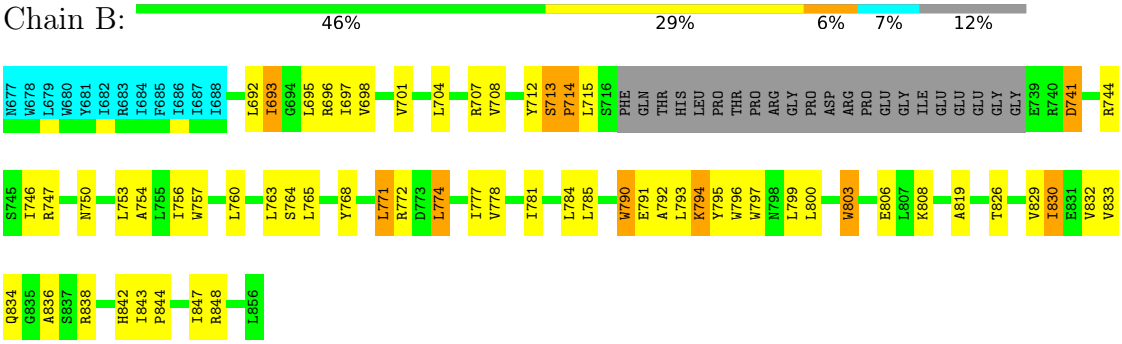
• Molecule 1: Transmembrane protein gp41

Chain A:



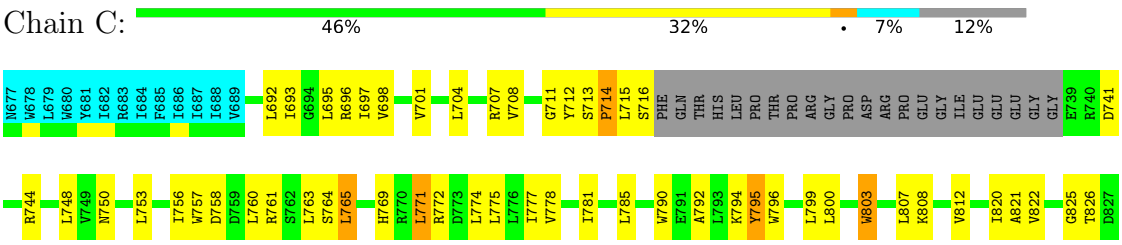
• Molecule 1: Transmembrane protein gp41

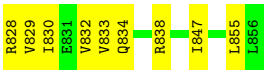
Chain B:



• Molecule 1: Transmembrane protein gp41

Chain C:





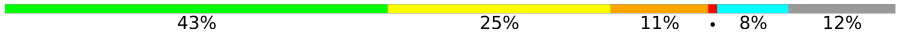
4.2 Scores per residue for each member of the ensemble

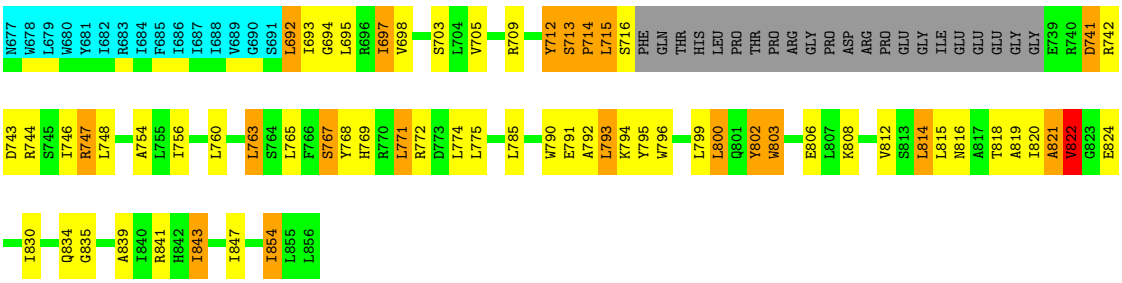
Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

• Molecule 1: Transmembrane protein gp41

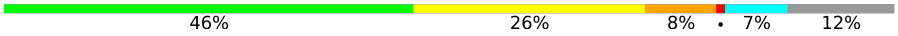
Chain A:

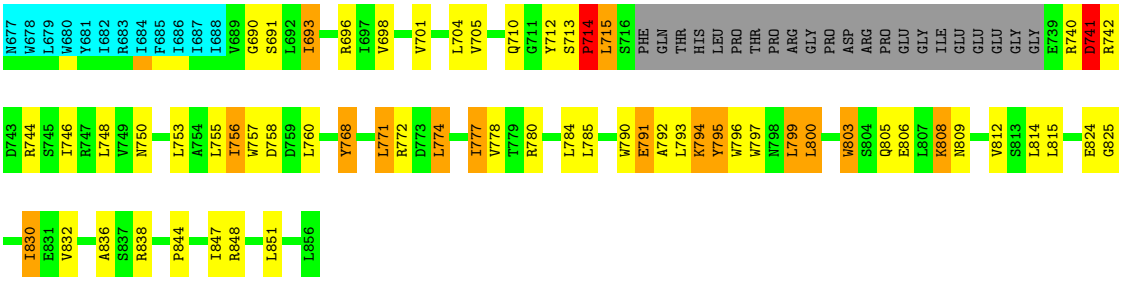




• Molecule 1: Transmembrane protein gp41

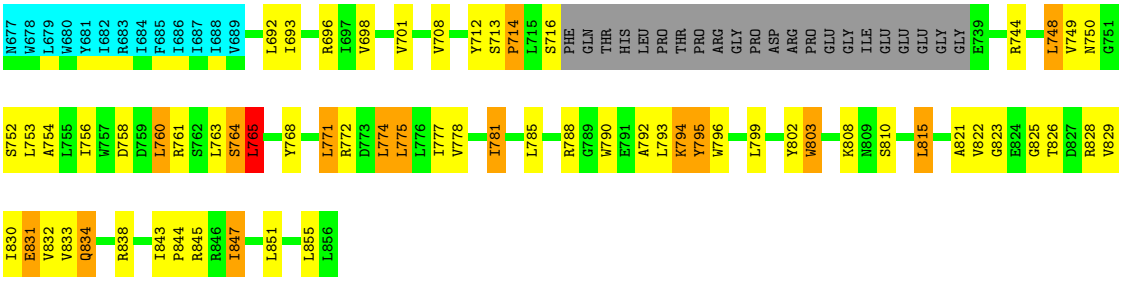
Chain B:





• Molecule 1: Transmembrane protein gp41

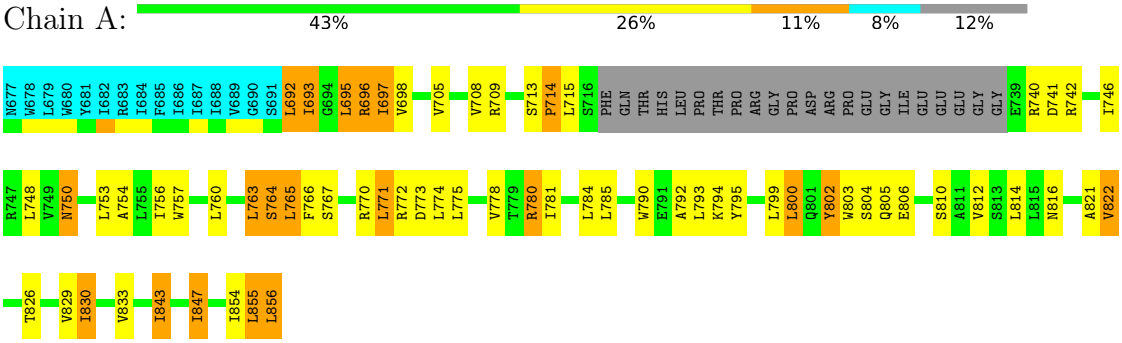
Chain C:



4.2.2 Score per residue for model 2

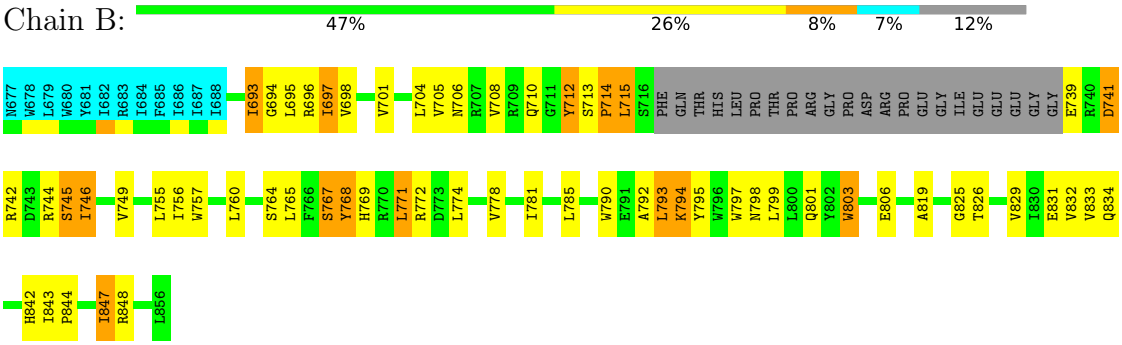
• Molecule 1: Transmembrane protein gp41

Chain A:



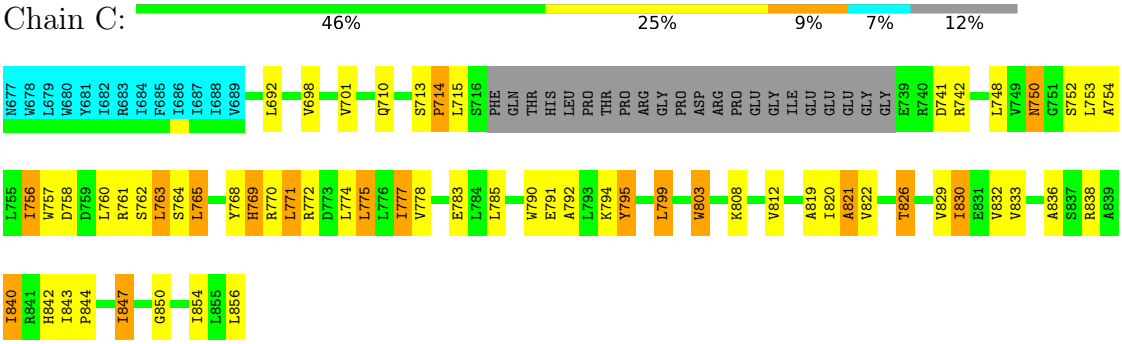
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

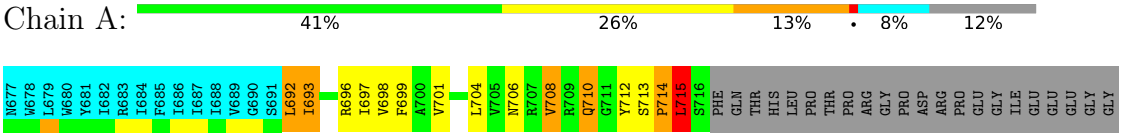
Chain C:

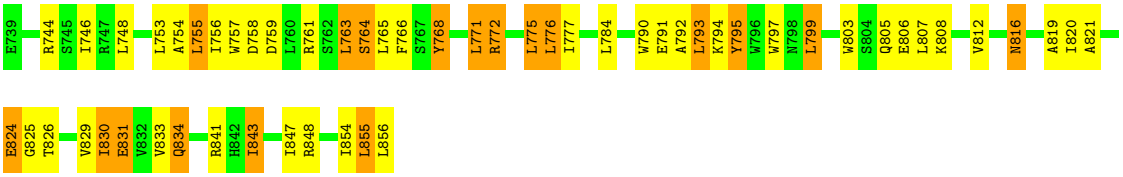


4.2.3 Score per residue for model 3

• Molecule 1: Transmembrane protein gp41

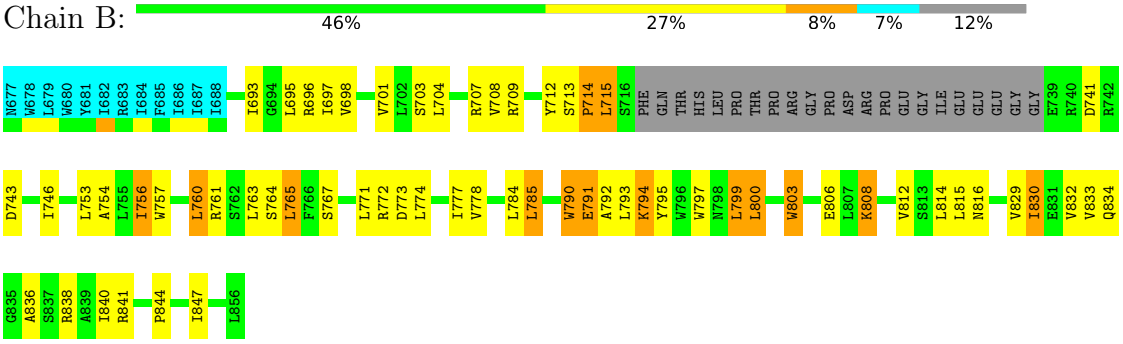
Chain A:





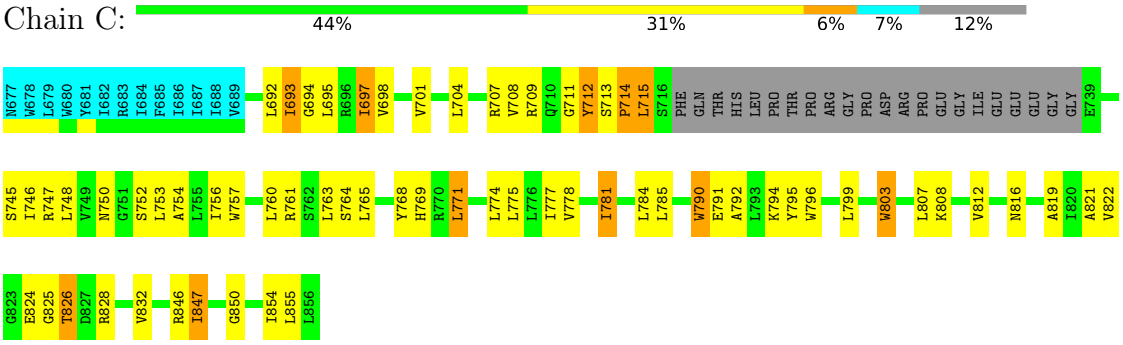
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

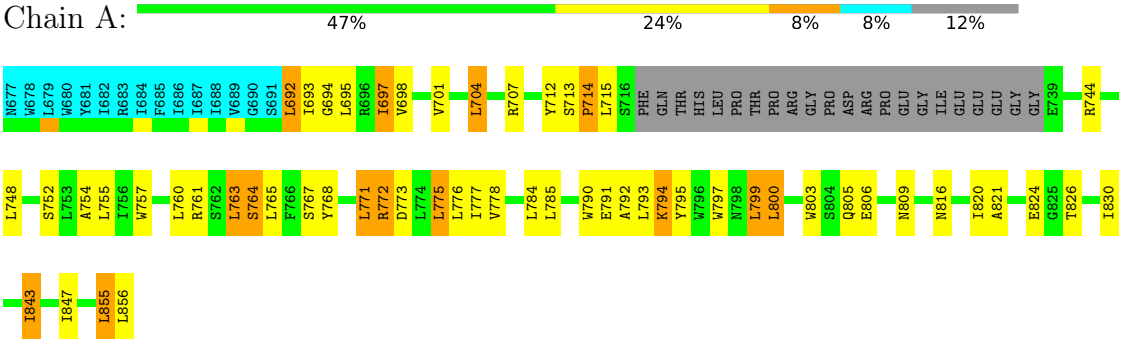
Chain C:



4.2.4 Score per residue for model 4

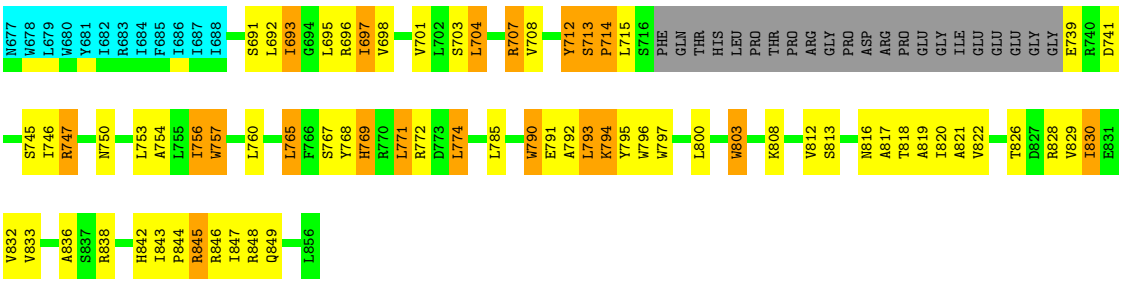
• Molecule 1: Transmembrane protein gp41

Chain A:



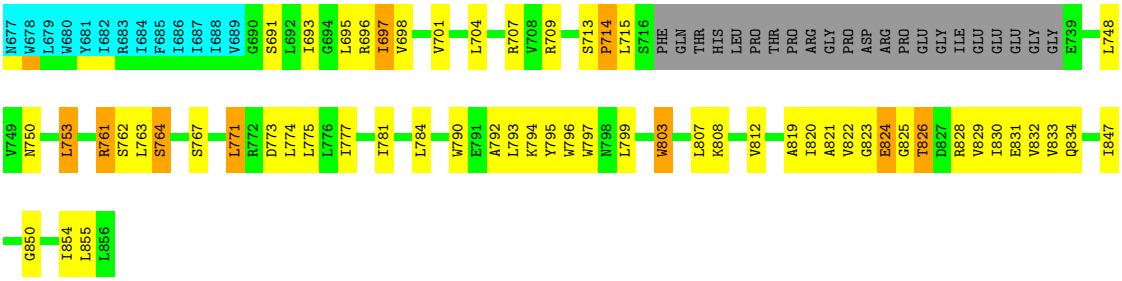
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

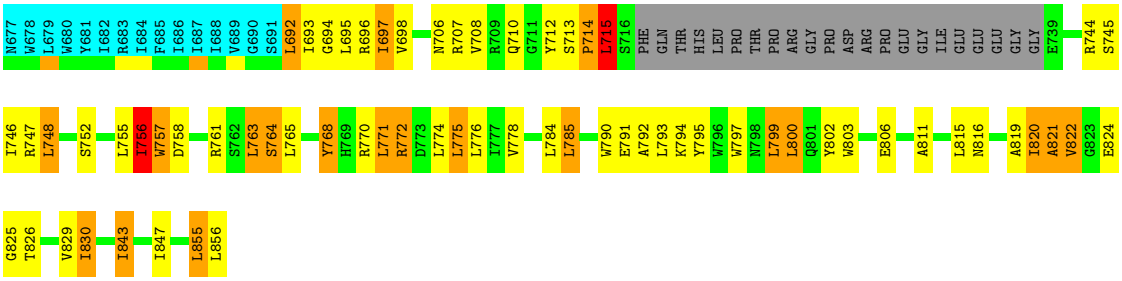
Chain C:



4.2.5 Score per residue for model 5 (medoid)

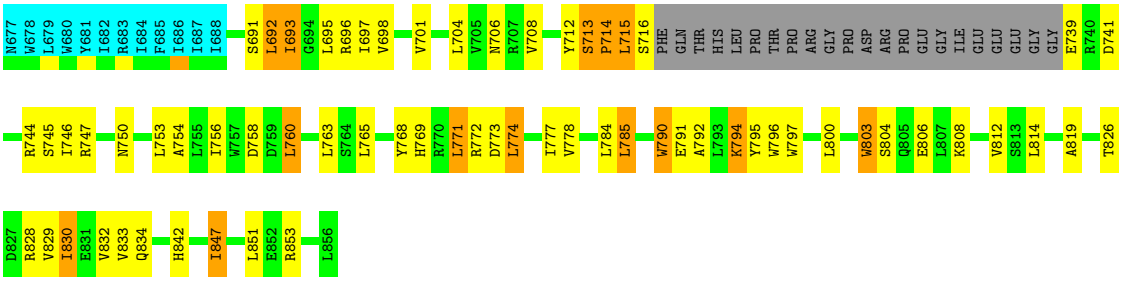
• Molecule 1: Transmembrane protein gp41

Chain A:



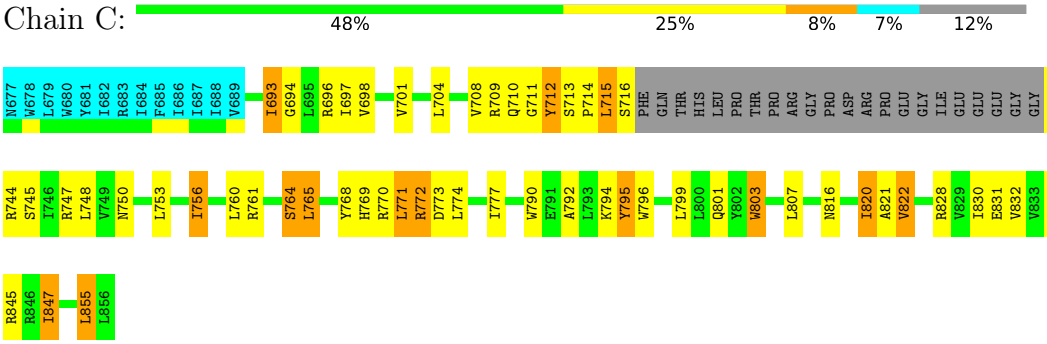
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

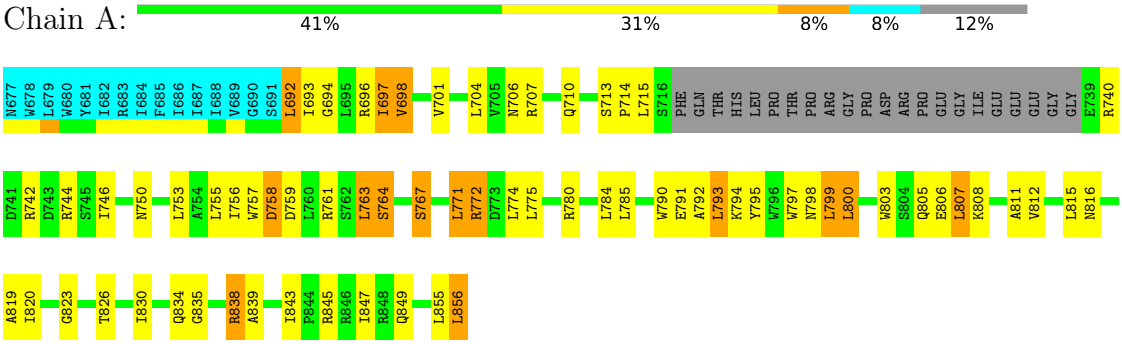
Chain C:



4.2.6 Score per residue for model 6

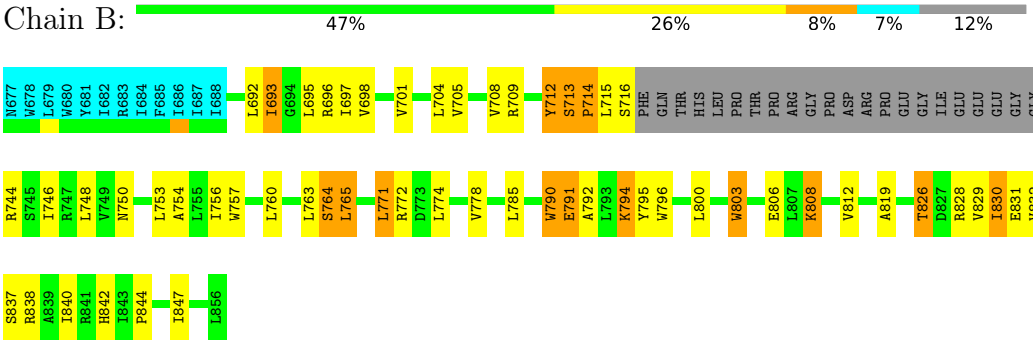
• Molecule 1: Transmembrane protein gp41

Chain A:



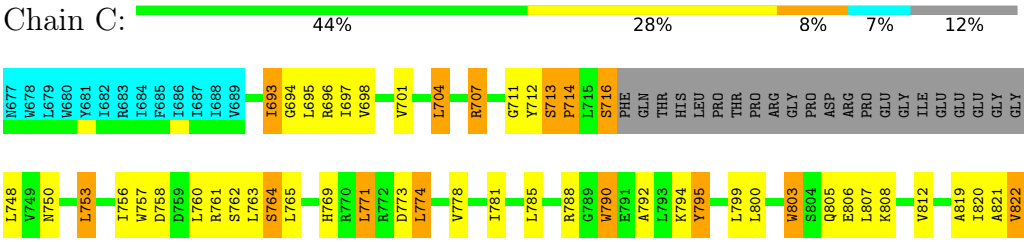
• Molecule 1: Transmembrane protein gp41

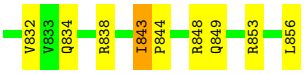
Chain B:



• Molecule 1: Transmembrane protein gp41

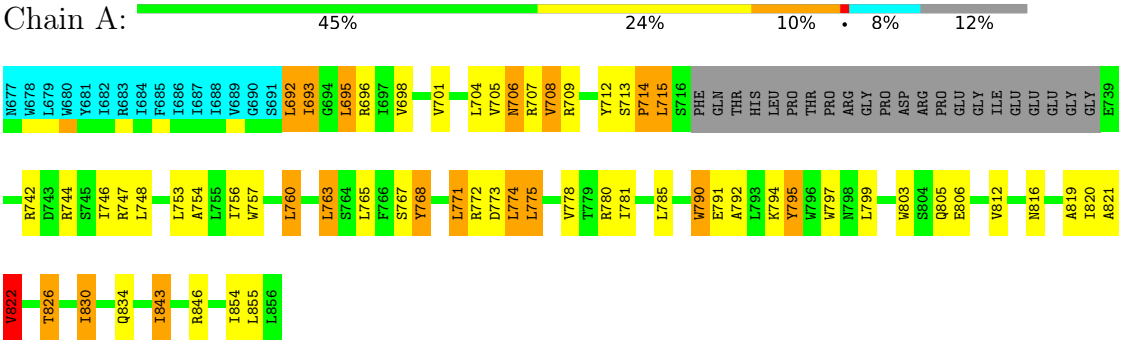
Chain C:



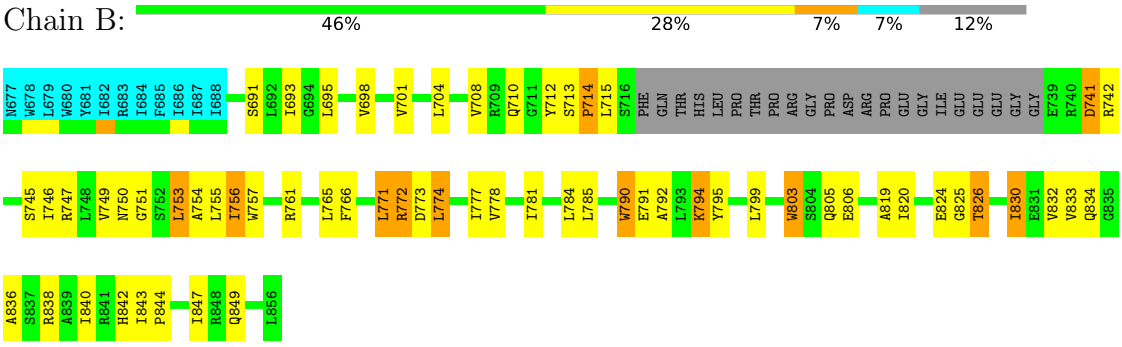


4.2.7 Score per residue for model 7

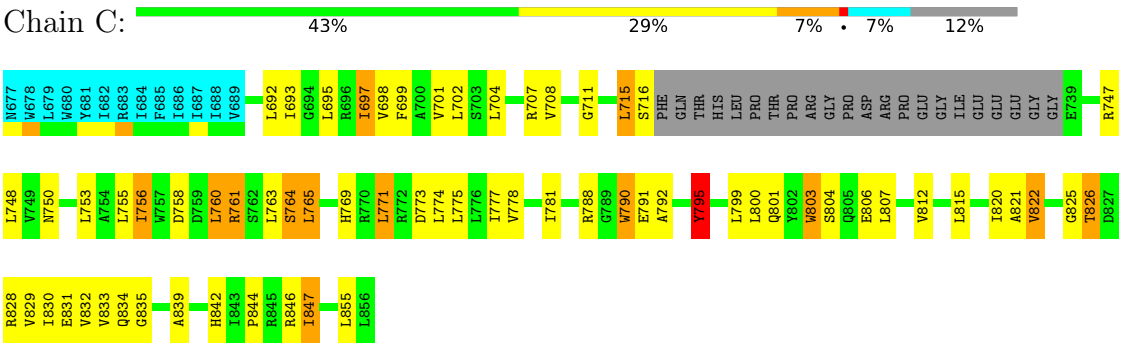
• Molecule 1: Transmembrane protein gp41



• Molecule 1: Transmembrane protein gp41



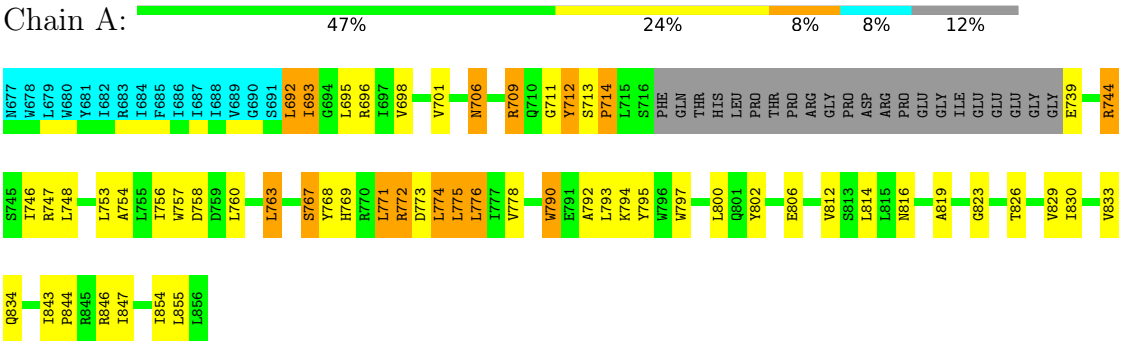
• Molecule 1: Transmembrane protein gp41



4.2.8 Score per residue for model 8

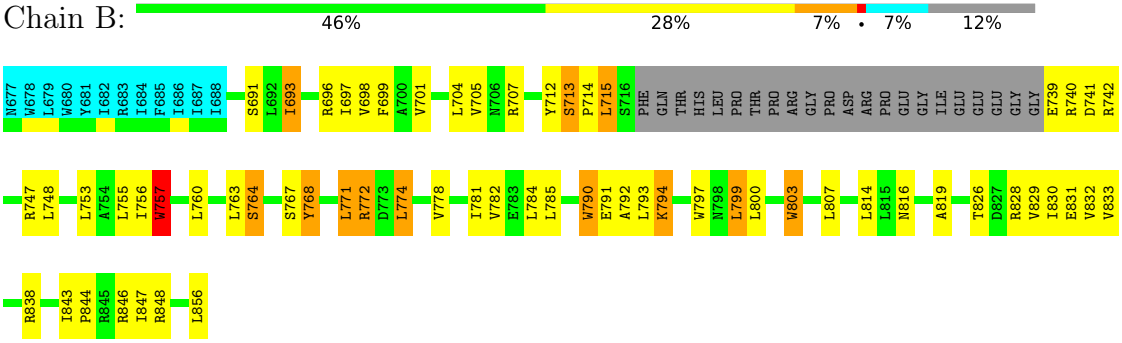
• Molecule 1: Transmembrane protein gp41

Chain A:



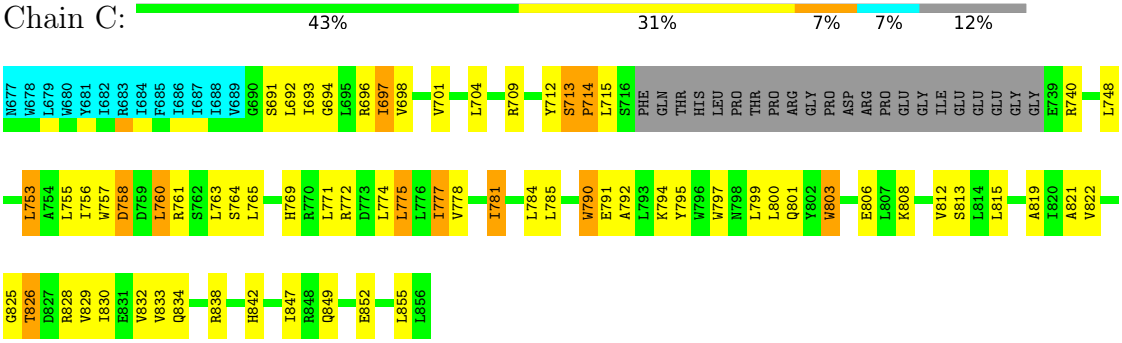
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

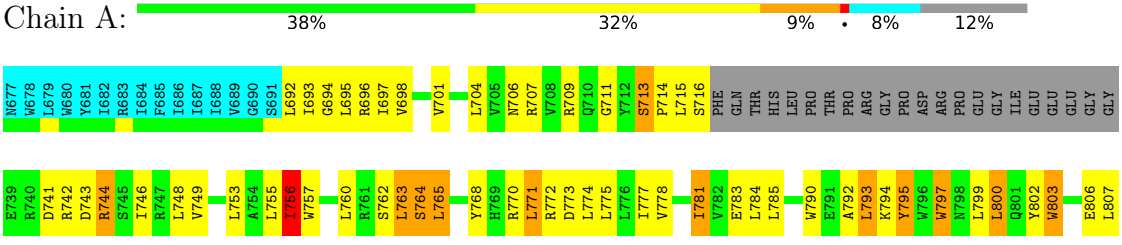
Chain C:



4.2.9 Score per residue for model 9

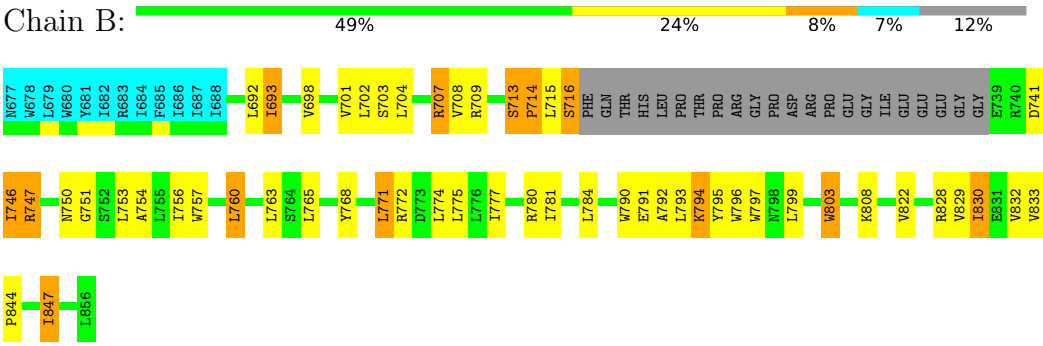
• Molecule 1: Transmembrane protein gp41

Chain A:



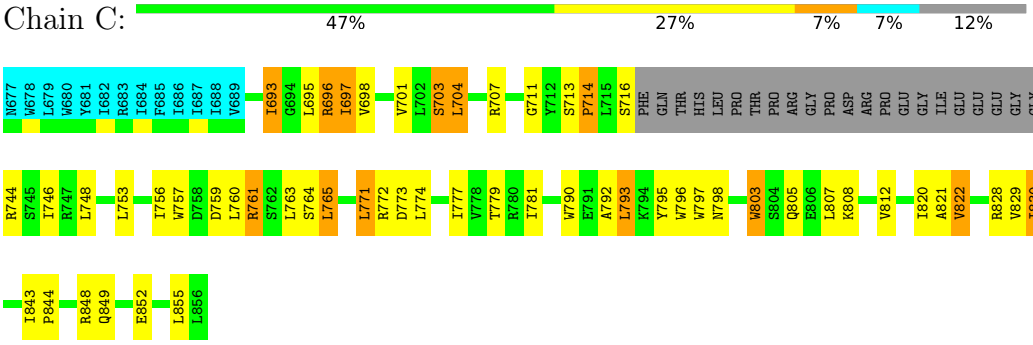
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

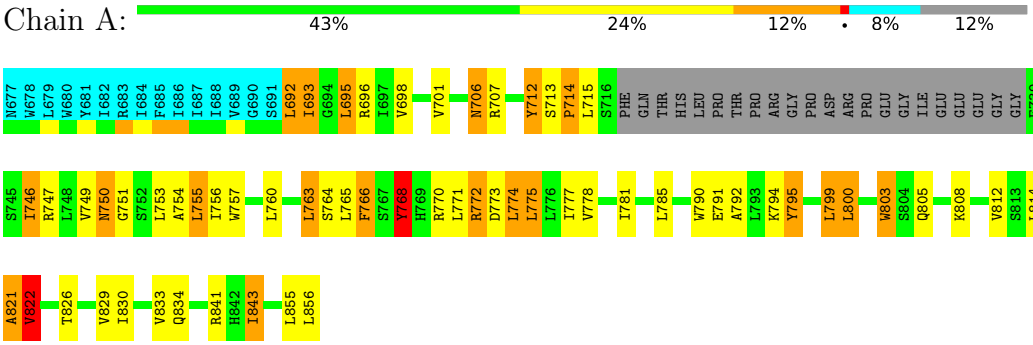
Chain C:



4.2.10 Score per residue for model 10

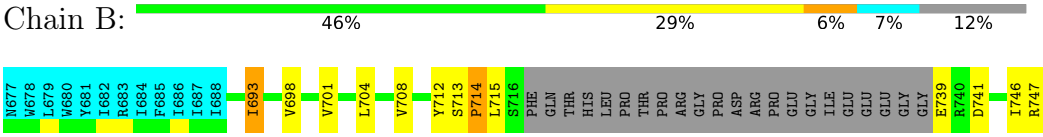
• Molecule 1: Transmembrane protein gp41

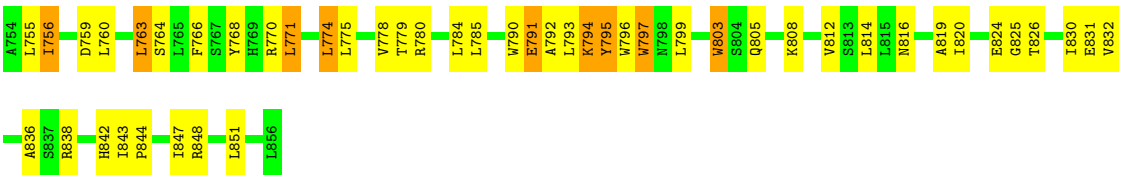
Chain A:



• Molecule 1: Transmembrane protein gp41

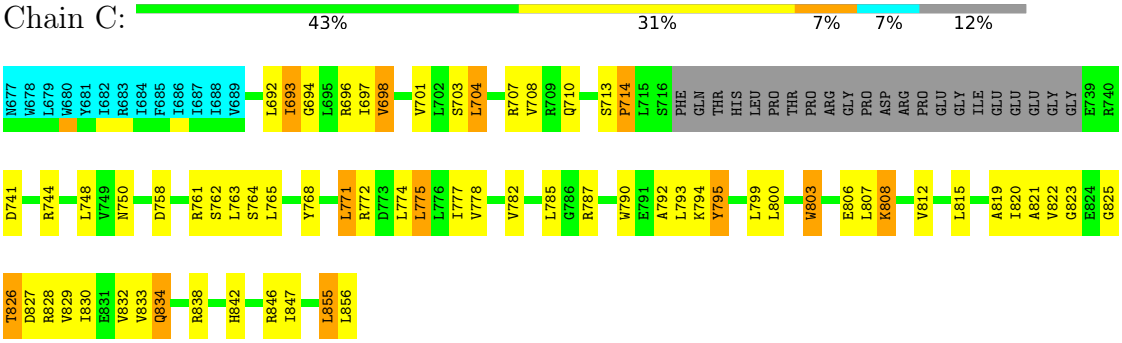
Chain B:





• Molecule 1: Transmembrane protein gp41

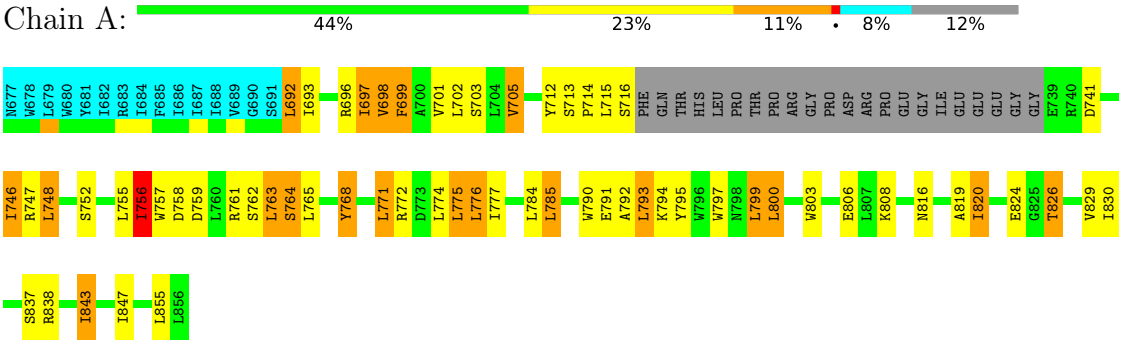
Chain C:



4.2.11 Score per residue for model 11

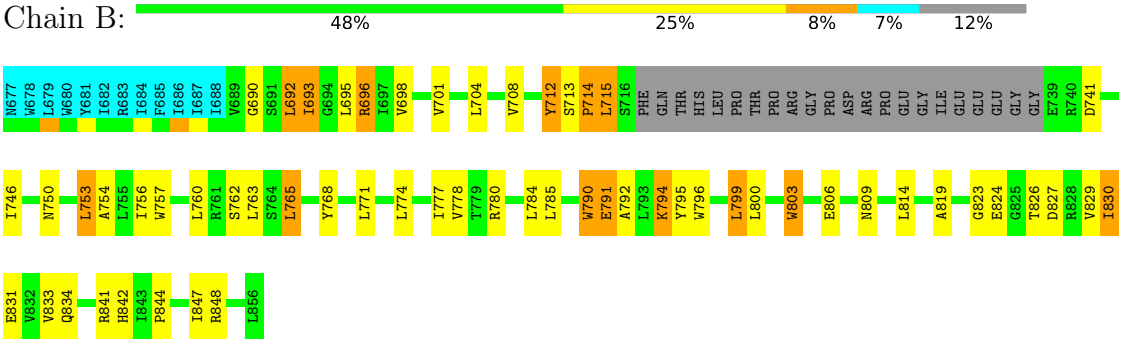
• Molecule 1: Transmembrane protein gp41

Chain A:



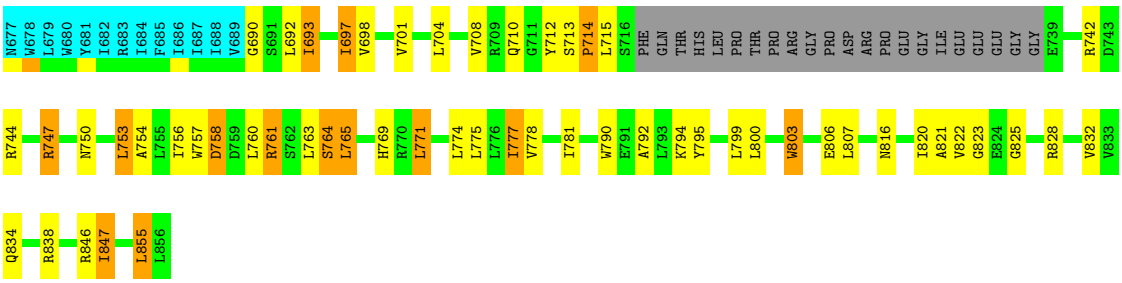
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

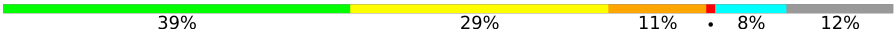
Chain C:

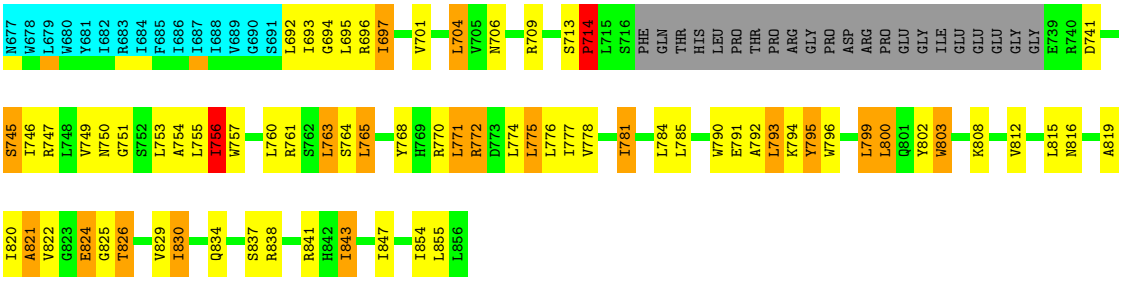


4.2.12 Score per residue for model 12

• Molecule 1: Transmembrane protein gp41

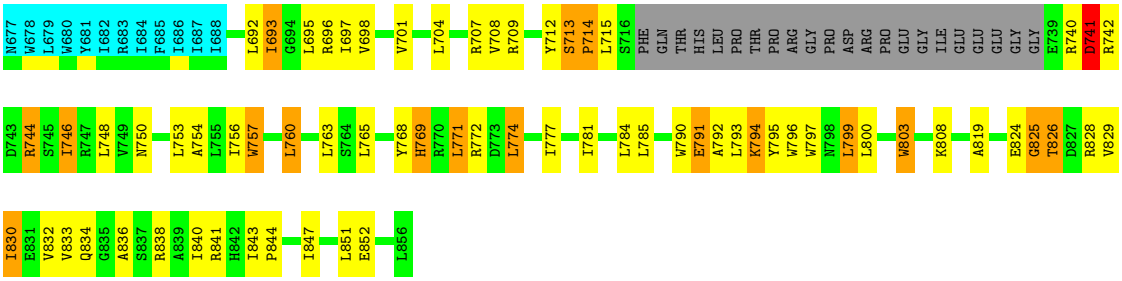
Chain A:





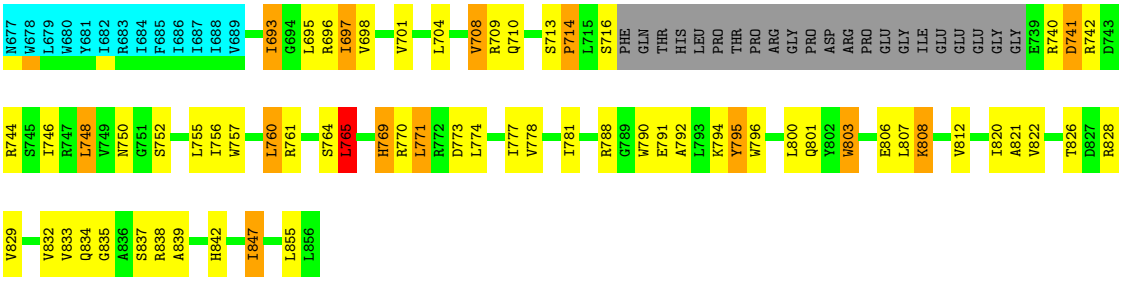
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

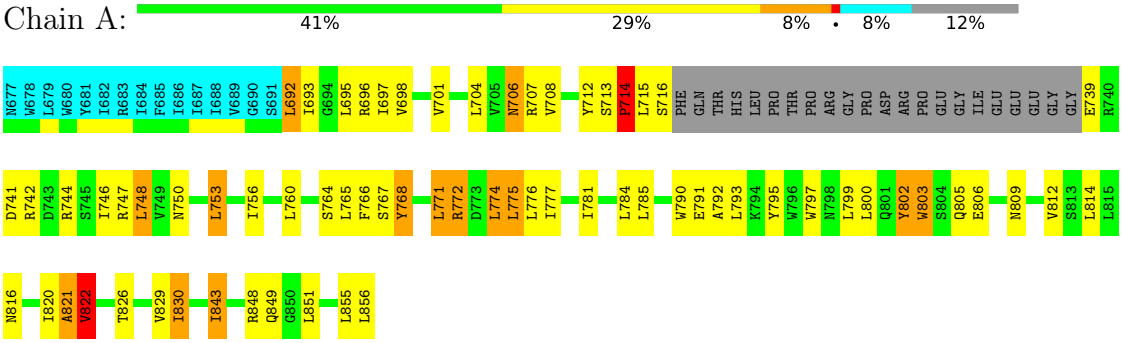
Chain C:



4.2.13 Score per residue for model 13

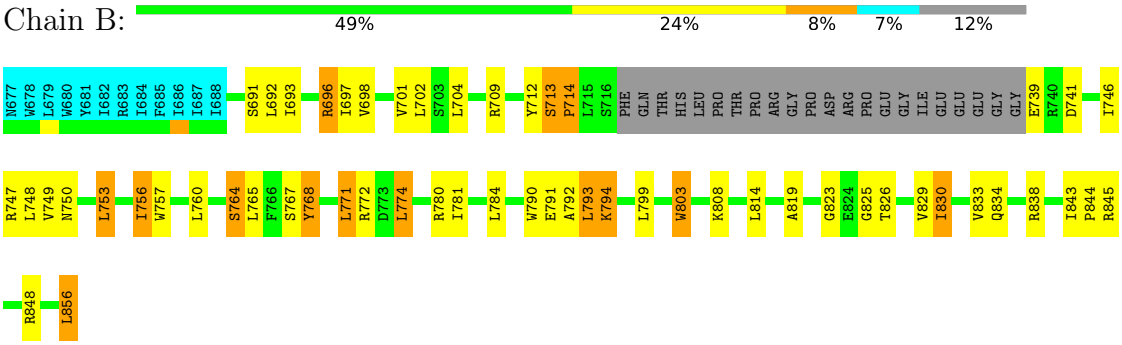
• Molecule 1: Transmembrane protein gp41

Chain A:



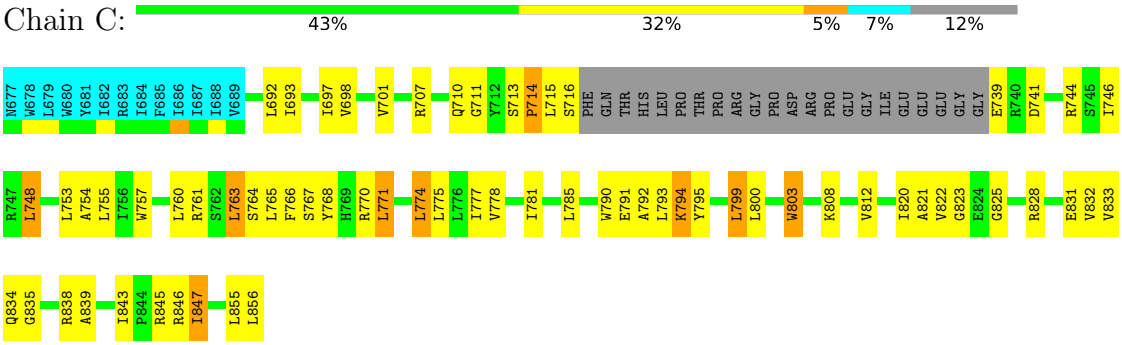
• Molecule 1: Transmembrane protein gp41

Chain B:



• Molecule 1: Transmembrane protein gp41

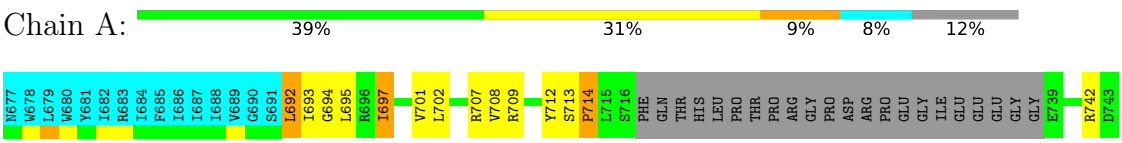
Chain C:

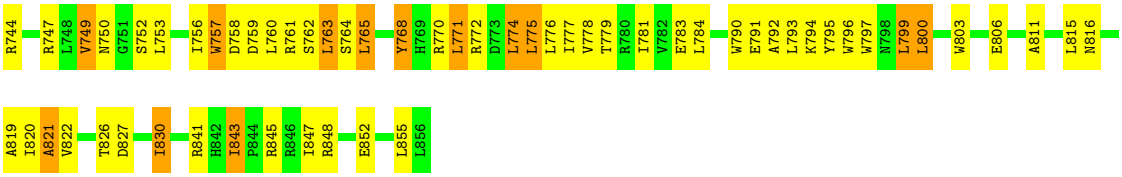


4.2.14 Score per residue for model 14

• Molecule 1: Transmembrane protein gp41

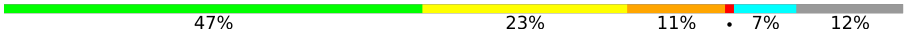
Chain A:

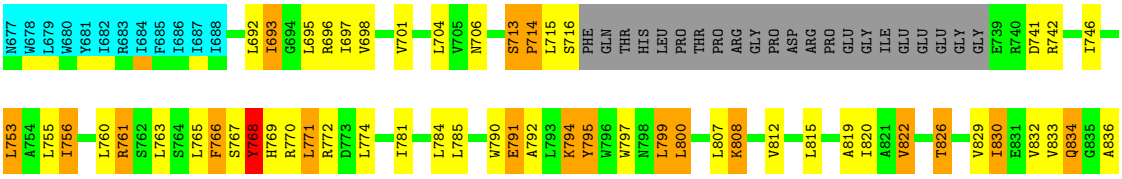




• Molecule 1: Transmembrane protein gp41

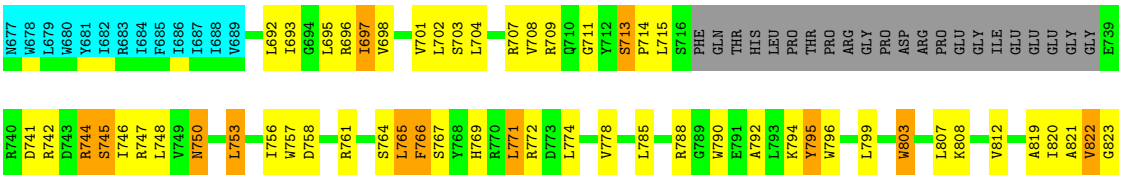
Chain B:

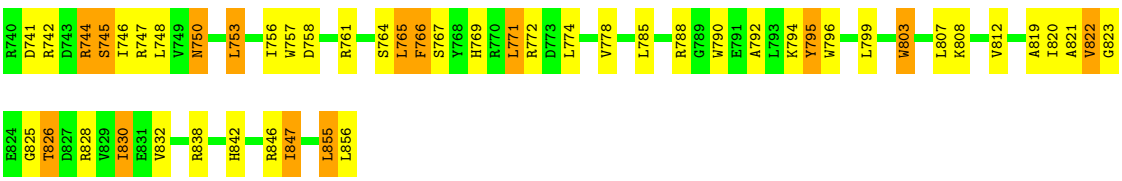




• Molecule 1: Transmembrane protein gp41

Chain C:

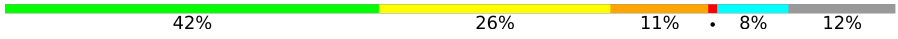


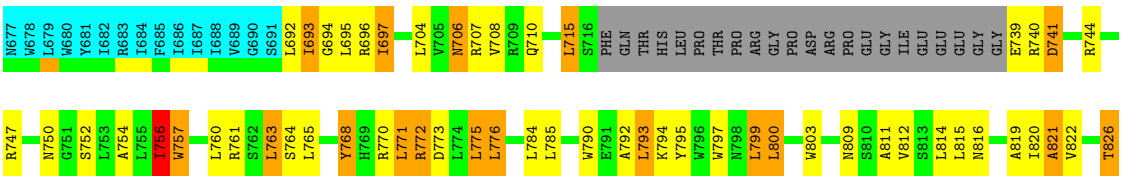


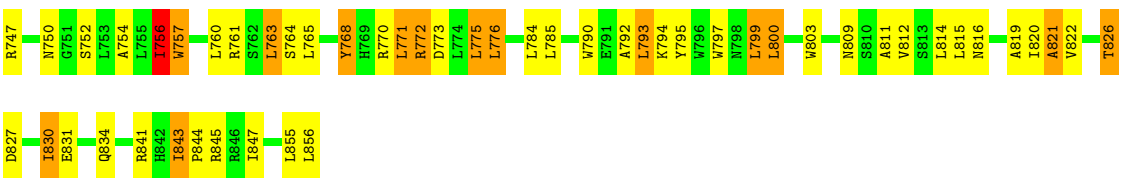
4.2.15 Score per residue for model 15

• Molecule 1: Transmembrane protein gp41

Chain A:

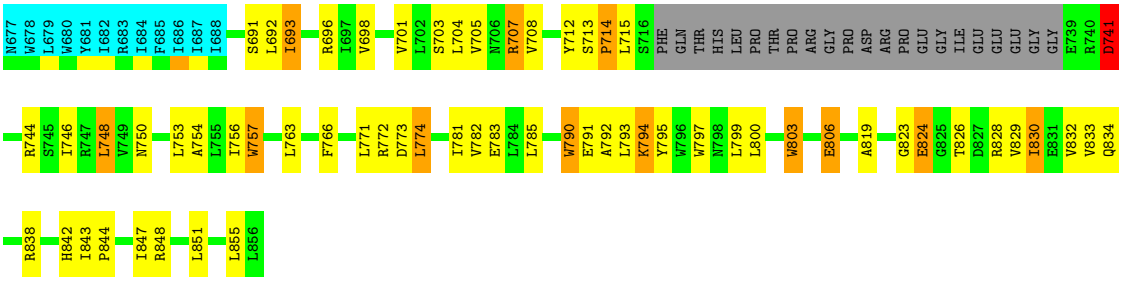






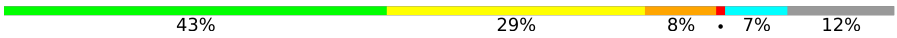
• Molecule 1: Transmembrane protein gp41

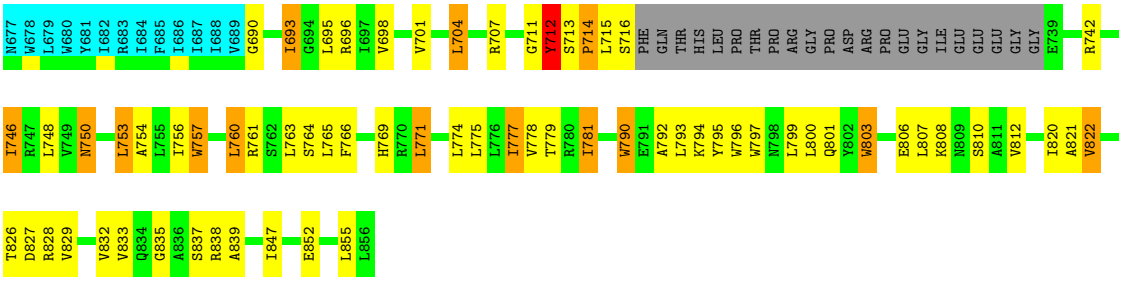
Chain B:



• 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	596
Number of shifts mapped to atoms	561
Number of unparsed shifts	0
Number of shifts with mapping errors	35
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	8%

6 Model quality (i)

6.1 Standard geometry (i)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.96±0.02	0±0/1189 (0.0± 0.0%)	1.20±0.02	1±1/1606 (0.1± 0.1%)
1	B	0.92±0.01	0±0/1206 (0.0± 0.0%)	1.21±0.01	0±0/1629 (0.0± 0.0%)
1	C	0.94±0.01	0±0/1199 (0.0± 0.0%)	1.21±0.02	1±1/1619 (0.1± 0.1%)
All	All	0.94	4/53910 (0.0%)	1.21	36/72810 (0.0%)

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

Mol	Chain	Chirality	Planarity
1	B	0.0±0.0	0.1±0.3
1	C	0.0±0.0	0.1±0.2
All	All	0	3

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	A	712	TYR	CA-C	8.03	1.56	1.52	13	2
1	A	791	GLU	CA-C	5.08	1.59	1.52	7	1
1	C	843	ILE	CA-C	5.02	1.56	1.52	13	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	C	757	TRP	N-CA-C	6.90	118.59	111.14	8	5
1	A	756	ILE	CB-CA-C	-6.62	103.20	112.14	12	5
1	B	757	TRP	N-CA-C	6.53	118.19	111.14	12	2
1	A	750	ASN	CA-CB-CG	-6.42	106.17	112.60	10	2

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Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	A	757	TRP	N-CA-C	6.28	117.92	111.14	6	5
1	C	760	LEU	N-CA-C	5.87	117.35	111.07	8	5
1	C	763	LEU	N-CA-CB	-5.61	101.71	109.91	2	1
1	B	760	LEU	N-CA-C	5.51	116.97	111.07	3	1
1	A	746	ILE	CB-CA-C	-5.47	104.87	111.88	10	1
1	A	769	HIS	N-CA-C	-5.45	105.42	111.36	1	1
1	C	795	TYR	N-CA-CB	5.34	117.76	110.01	6	2
1	C	769	HIS	CA-C-N	5.27	128.32	120.31	2	2
1	C	769	HIS	C-N-CA	5.27	128.32	120.31	2	2
1	C	750	ASN	CA-CB-CG	-5.11	107.49	112.60	2	1
1	B	697	ILE	CB-CA-C	-5.04	105.33	112.14	4	1

There are no chirality outliers.

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

Mol	Chain	Res	Type	Group	Models (Total)
1	C	761	ARG	Sidechain	1
1	B	761	ARG	Sidechain	1
1	B	707	ARG	Sidechain	1

6.2 Too-close contacts (i)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in each chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes averaged over the ensemble.

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	1171	1235	1232	52±7
1	B	1188	1252	1249	45±9
1	C	1181	1243	1240	44±5
All	All	53100	55950	55815	1812

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 17.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:754:ALA:HB1	1:B:715:LEU:HD12	0.89	1.41	1	1
1:A:692:LEU:HD12	1:A:693:ILE:N	0.82	1.90	12	4
1:A:692:LEU:HD23	1:A:696:ARG:CZ	0.80	2.06	13	1
1:B:771:LEU:HD22	1:B:772:ARG:N	0.78	1.93	7	5
1:A:756:ILE:HD13	1:C:795:TYR:CZ	0.78	2.13	13	1
1:B:695:LEU:HD22	1:B:696:ARG:NH1	0.78	1.94	4	3
1:B:698:VAL:O	1:B:701:VAL:HG22	0.76	1.79	15	15
1:A:693:ILE:HD13	1:B:696:ARG:NH1	0.76	1.96	11	1
1:A:771:LEU:HD22	1:A:772:ARG:N	0.75	1.95	8	3
1:A:698:VAL:O	1:A:701:VAL:HG22	0.75	1.82	6	4
1:B:785:LEU:HD23	1:C:750:ASN:ND2	0.75	1.97	7	11
1:B:713:SER:O	1:B:714:PRO:O	0.74	2.04	1	10
1:A:747:ARG:NE	1:C:785:LEU:HD23	0.74	1.98	10	1
1:A:795:TYR:CD2	1:B:756:ILE:HG21	0.74	2.18	8	2
1:A:785:LEU:HD23	1:B:750:ASN:ND2	0.73	1.98	11	8
1:C:698:VAL:O	1:C:701:VAL:HG22	0.73	1.83	4	15
1:C:764:SER:OG	1:C:771:LEU:HD12	0.73	1.83	13	3
1:B:771:LEU:HD13	1:B:772:ARG:N	0.73	1.98	9	3
1:B:704:LEU:O	1:B:708:VAL:HG23	0.72	1.83	3	11
1:A:795:TYR:CG	1:B:756:ILE:HG21	0.72	2.19	3	1
1:B:774:LEU:O	1:B:778:VAL:HG23	0.72	1.83	8	6
1:C:763:LEU:O	1:C:774:LEU:HD13	0.72	1.85	1	3
1:A:847:ILE:HD12	1:A:848:ARG:N	0.72	2.00	14	2
1:B:799:LEU:HD13	1:B:800:LEU:N	0.72	2.00	12	6
1:B:819:ALA:HB1	1:B:826:THR:HG23	0.71	1.61	2	1
1:A:816:ASN:O	1:A:820:ILE:HD12	0.71	1.84	5	7
1:A:793:LEU:HD11	1:A:847:ILE:CD1	0.70	2.16	1	4
1:A:763:LEU:HD22	1:A:764:SER:N	0.70	2.01	15	7
1:C:819:ALA:HB1	1:C:826:THR:CG2	0.69	2.18	8	5
1:B:781:ILE:CG2	1:C:746:ILE:HG21	0.69	2.17	13	2
1:A:763:LEU:O	1:A:774:LEU:HD13	0.69	1.86	1	5
1:A:755:LEU:O	1:A:755:LEU:HD23	0.69	1.87	12	4
1:B:693:ILE:HD13	1:B:693:ILE:O	0.69	1.88	9	5
1:A:771:LEU:HD12	1:A:771:LEU:C	0.69	2.11	13	2
1:A:793:LEU:HD22	1:A:847:ILE:HD11	0.69	1.63	8	1
1:B:797:TRP:CD1	1:B:847:ILE:HG21	0.69	2.23	14	9
1:B:795:TYR:CB	1:C:756:ILE:HG21	0.69	2.18	2	1
1:A:808:LYS:O	1:A:812:VAL:HG23	0.68	1.87	12	6
1:C:748:LEU:HD13	1:C:748:LEU:O	0.68	1.88	8	4
1:A:693:ILE:HD13	1:B:696:ARG:NH2	0.68	2.02	5	1
1:B:753:LEU:O	1:B:756:ILE:HG22	0.68	1.89	3	5
1:C:777:ILE:HD13	1:C:778:VAL:N	0.67	2.03	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:812:VAL:HG22	1:A:834:GLN:OE1	0.67	1.89	6	2
1:C:812:VAL:HG12	1:C:834:GLN:NE2	0.67	2.05	8	1
1:A:742:ARG:CZ	1:A:746:ILE:HD11	0.67	2.19	13	1
1:C:704:LEU:HD22	1:C:707:ARG:NH2	0.67	2.04	15	1
1:B:799:LEU:CD1	1:B:800:LEU:HD22	0.67	2.19	3	1
1:A:692:LEU:HD13	1:A:693:ILE:N	0.67	2.03	10	2
1:A:795:TYR:HH	1:B:757:TRP:CD1	0.67	2.08	15	3
1:B:764:SER:OG	1:B:771:LEU:HD12	0.67	1.88	13	2
1:C:774:LEU:HD13	1:C:777:ILE:CG1	0.67	2.20	13	1
1:A:799:LEU:CD2	1:B:760:LEU:HD13	0.66	2.20	5	2
1:A:795:TYR:CD1	1:B:756:ILE:HG21	0.66	2.25	3	1
1:A:764:SER:CB	1:A:771:LEU:HD12	0.66	2.20	11	4
1:B:715:LEU:O	1:B:715:LEU:HD23	0.66	1.90	12	2
1:A:819:ALA:HB1	1:A:826:THR:CG2	0.66	2.21	14	3
1:A:816:ASN:OD1	1:A:830:ILE:HD11	0.66	1.89	6	5
1:A:755:LEU:HG	1:B:715:LEU:HD21	0.66	1.68	12	1
1:C:763:LEU:HD22	1:C:764:SER:N	0.66	2.06	13	1
1:A:759:ASP:OD2	1:A:763:LEU:HD11	0.66	1.89	14	1
1:A:793:LEU:HD12	1:A:847:ILE:HD11	0.66	1.65	6	3
1:C:697:ILE:HD13	1:C:697:ILE:O	0.66	1.90	8	8
1:B:777:ILE:HD12	1:B:778:VAL:N	0.66	2.06	7	3
1:A:785:LEU:HD21	1:B:747:ARG:HG2	0.66	1.66	9	2
1:A:795:TYR:CE2	1:B:756:ILE:HG21	0.66	2.26	8	1
1:A:764:SER:OG	1:A:771:LEU:HD12	0.66	1.91	15	2
1:B:781:ILE:HD12	1:B:782:VAL:N	0.66	2.05	15	1
1:A:774:LEU:HD23	1:A:775:LEU:N	0.65	2.05	10	3
1:B:697:ILE:O	1:B:697:ILE:HD13	0.65	1.91	2	1
1:C:778:VAL:O	1:C:781:ILE:HG22	0.65	1.91	6	2
1:C:774:LEU:HD23	1:C:777:ILE:HG12	0.65	1.66	11	2
1:B:693:ILE:HD11	1:C:696:ARG:NE	0.65	2.05	1	3
1:A:715:LEU:HD21	1:C:758:ASP:CG	0.65	2.16	2	1
1:C:694:GLY:O	1:C:697:ILE:HG22	0.65	1.92	10	5
1:A:768:TYR:HH	1:C:803:TRP:CG	0.65	2.10	13	1
1:B:756:ILE:HD13	1:B:756:ILE:O	0.65	1.91	3	5
1:A:793:LEU:HD11	1:A:847:ILE:HG13	0.65	1.69	9	2
1:A:821:ALA:O	1:A:822:VAL:HG13	0.65	1.91	1	4
1:B:791:GLU:O	1:B:794:LYS:HG3	0.64	1.92	3	14
1:B:819:ALA:HB1	1:B:826:THR:CG2	0.64	2.22	2	2
1:B:715:LEU:HD13	1:B:715:LEU:O	0.64	1.92	1	1
1:A:819:ALA:HB1	1:A:826:THR:HB	0.64	1.69	8	7
1:C:775:LEU:O	1:C:778:VAL:HG22	0.64	1.92	7	9

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:764:SER:CB	1:C:771:LEU:HD12	0.64	2.22	7	4
1:B:693:ILE:HD11	1:C:696:ARG:HG3	0.64	1.68	9	4
1:B:791:GLU:CD	1:C:753:LEU:HD22	0.64	2.18	8	1
1:B:781:ILE:HG21	1:C:746:ILE:HG21	0.64	1.69	13	1
1:B:693:ILE:HD12	1:C:696:ARG:HG3	0.63	1.70	6	3
1:C:710:GLN:O	1:C:715:LEU:HD12	0.63	1.93	5	1
1:A:791:GLU:CB	1:B:753:LEU:HD22	0.63	2.24	11	3
1:C:806:GLU:CG	1:C:807:LEU:HD22	0.63	2.23	7	1
1:B:693:ILE:HD11	1:C:696:ARG:CG	0.63	2.24	9	3
1:A:800:LEU:HD22	1:A:803:TRP:CZ3	0.63	2.29	12	12
1:B:781:ILE:HG23	1:C:746:ILE:HG21	0.63	1.71	9	2
1:A:812:VAL:HG21	1:A:834:GLN:OE1	0.63	1.93	1	2
1:A:816:ASN:CG	1:A:830:ILE:HD11	0.63	2.18	7	4
1:A:777:ILE:HD13	1:B:743:ASP:OD2	0.63	1.94	9	1
1:C:781:ILE:CD1	1:C:785:LEU:HD13	0.62	2.24	8	1
1:A:796:TRP:HE1	1:B:756:ILE:HD12	0.62	1.54	12	2
1:C:819:ALA:HB1	1:C:826:THR:HG21	0.62	1.70	3	1
1:A:697:ILE:O	1:A:697:ILE:HD13	0.62	1.94	1	9
1:A:793:LEU:C	1:A:793:LEU:HD13	0.62	2.19	9	7
1:A:793:LEU:O	1:A:793:LEU:HD13	0.62	1.92	11	3
1:C:704:LEU:HD13	1:C:707:ARG:CZ	0.62	2.24	3	1
1:A:812:VAL:HG22	1:A:834:GLN:CD	0.62	2.20	6	1
1:C:764:SER:O	1:C:765:LEU:HD23	0.62	1.94	1	1
1:A:759:ASP:O	1:A:763:LEU:HD12	0.62	1.95	11	3
1:A:742:ARG:NH2	1:A:746:ILE:HD11	0.62	2.09	13	1
1:A:748:LEU:HD21	1:B:714:PRO:HG2	0.62	1.71	1	1
1:A:746:ILE:HG12	1:C:781:ILE:HD12	0.62	1.70	11	3
1:C:771:LEU:HA	1:C:774:LEU:HD12	0.62	1.71	11	1
1:A:768:TYR:CZ	1:A:771:LEU:HD23	0.62	2.30	13	1
1:A:763:LEU:HD22	1:A:763:LEU:C	0.62	2.20	11	10
1:C:806:GLU:HG3	1:C:807:LEU:HD22	0.62	1.69	7	2
1:B:790:TRP:CZ2	1:B:793:LEU:HD13	0.61	2.30	1	3
1:C:756:ILE:O	1:C:756:ILE:HD13	0.61	1.93	5	1
1:A:692:LEU:HD23	1:C:693:ILE:HG21	0.61	1.71	9	1
1:A:800:LEU:HD22	1:A:803:TRP:CH2	0.61	2.30	13	5
1:B:760:LEU:C	1:B:760:LEU:HD23	0.61	2.20	13	5
1:B:774:LEU:CD2	1:B:777:ILE:HD11	0.61	2.24	9	2
1:A:764:SER:HB3	1:A:771:LEU:HD12	0.61	1.72	4	5
1:B:774:LEU:HD12	1:B:775:LEU:N	0.61	2.10	10	1
1:A:715:LEU:HB3	1:C:754:ALA:HB1	0.61	1.72	11	3
1:C:762:SER:O	1:C:774:LEU:HD22	0.61	1.96	6	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:855:LEU:C	1:A:856:LEU:HD23	0.61	2.21	5	4
1:A:745:SER:O	1:A:749:VAL:HG23	0.61	1.95	12	1
1:A:746:ILE:HG21	1:C:781:ILE:HG23	0.61	1.72	1	1
1:A:763:LEU:HD13	1:A:764:SER:H	0.61	1.55	10	3
1:B:756:ILE:HG23	1:B:757:TRP:CE3	0.61	2.30	8	1
1:A:704:LEU:HD21	1:B:707:ARG:HG2	0.61	1.73	12	1
1:A:819:ALA:HB1	1:A:826:THR:HG22	0.61	1.72	12	2
1:A:816:ASN:HD22	1:A:830:ILE:HD11	0.60	1.56	3	1
1:B:763:LEU:HD23	1:B:764:SER:H	0.60	1.55	10	1
1:B:694:GLY:O	1:B:697:ILE:HG22	0.60	1.96	2	1
1:B:795:TYR:CG	1:C:756:ILE:HG21	0.60	2.30	2	1
1:C:753:LEU:O	1:C:756:ILE:HG22	0.60	1.96	2	5
1:C:774:LEU:HD23	1:C:777:ILE:CG1	0.60	2.26	4	2
1:A:799:LEU:HB3	1:A:803:TRP:CH2	0.60	2.31	14	5
1:B:705:VAL:HG21	1:B:748:LEU:HD22	0.60	1.72	8	2
1:C:819:ALA:HB1	1:C:826:THR:HG22	0.60	1.74	8	2
1:B:774:LEU:HD13	1:B:774:LEU:O	0.60	1.97	4	4
1:A:755:LEU:HB2	1:B:715:LEU:HD22	0.59	1.75	4	1
1:A:816:ASN:O	1:A:820:ILE:HD13	0.59	1.96	14	2
1:C:826:THR:O	1:C:830:ILE:HG22	0.59	1.98	1	2
1:C:820:ILE:O	1:C:822:VAL:HG12	0.59	1.97	5	2
1:A:781:ILE:CG1	1:B:746:ILE:HG21	0.59	2.27	7	1
1:C:765:LEU:HD13	1:C:774:LEU:HD21	0.59	1.74	11	1
1:A:791:GLU:HB2	1:B:753:LEU:HD22	0.59	1.73	11	4
1:A:713:SER:O	1:A:714:PRO:O	0.59	2.20	13	3
1:C:792:ALA:HA	1:C:795:TYR:CZ	0.59	2.33	7	3
1:C:748:LEU:HD22	1:C:748:LEU:O	0.59	1.98	1	1
1:A:755:LEU:HD12	1:B:715:LEU:HD11	0.59	1.75	11	1
1:A:785:LEU:HD13	1:B:750:ASN:CG	0.59	2.22	13	1
1:A:811:ALA:HB1	1:A:815:LEU:CD1	0.59	2.27	5	4
1:C:755:LEU:HD23	1:C:755:LEU:O	0.59	1.97	7	1
1:A:750:ASN:OD1	1:C:785:LEU:HD23	0.58	1.97	2	1
1:A:692:LEU:HD22	1:A:692:LEU:C	0.58	2.22	13	2
1:A:793:LEU:HD11	1:A:847:ILE:HD11	0.58	1.75	4	3
1:A:795:TYR:C	1:A:799:LEU:HD12	0.58	2.23	4	1
1:A:799:LEU:HD11	1:B:756:ILE:HG21	0.58	1.73	4	1
1:B:774:LEU:O	1:B:774:LEU:HD13	0.58	1.97	8	1
1:A:819:ALA:HB1	1:A:826:THR:CB	0.58	2.29	7	1
1:B:695:LEU:HD23	1:B:695:LEU:O	0.58	1.99	3	6
1:B:819:ALA:HB1	1:B:826:THR:OG1	0.58	1.97	13	4
1:A:713:SER:HB2	1:C:708:VAL:HG23	0.58	1.73	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:785:LEU:HD21	1:C:747:ARG:HG2	0.58	1.76	7	1
1:C:799:LEU:O	1:C:803:TRP:CE3	0.58	2.57	2	8
1:A:812:VAL:HG22	1:A:834:GLN:HG3	0.58	1.74	12	2
1:A:696:ARG:HE	1:C:693:ILE:HD11	0.58	1.59	15	6
1:A:756:ILE:HD13	1:C:795:TYR:CE1	0.58	2.34	13	1
1:A:754:ALA:HB1	1:B:715:LEU:HB3	0.57	1.75	2	2
1:A:793:LEU:HD12	1:A:847:ILE:CD1	0.57	2.29	6	1
1:C:710:GLN:O	1:C:715:LEU:HD13	0.57	1.99	13	1
1:A:748:LEU:HD21	1:B:714:PRO:CG	0.57	2.29	1	1
1:B:771:LEU:H	1:B:771:LEU:HD13	0.57	1.58	1	3
1:B:771:LEU:HD13	1:B:772:ARG:H	0.57	1.57	12	3
1:C:693:ILE:HD12	1:C:693:ILE:O	0.57	2.00	11	4
1:A:763:LEU:HD13	1:A:764:SER:N	0.57	2.15	10	3
1:A:781:ILE:HG23	1:B:746:ILE:HG12	0.57	1.76	13	1
1:B:819:ALA:HB1	1:B:826:THR:HB	0.57	1.75	10	4
1:C:830:ILE:HD13	1:C:830:ILE:O	0.57	1.99	9	2
1:C:742:ARG:O	1:C:746:ILE:HD12	0.57	2.00	12	1
1:B:774:LEU:HD22	1:B:777:ILE:HD11	0.57	1.76	12	4
1:A:821:ALA:O	1:A:822:VAL:HG22	0.57	1.99	5	1
1:A:775:LEU:HD23	1:A:776:LEU:N	0.57	2.15	12	9
1:C:774:LEU:O	1:C:777:ILE:HG13	0.57	2.00	10	1
1:C:765:LEU:HB2	1:C:774:LEU:HD21	0.56	1.77	13	2
1:C:715:LEU:HD11	1:C:739:GLU:OE1	0.56	2.00	5	1
1:B:774:LEU:HD21	1:C:742:ARG:CZ	0.56	2.30	9	1
1:C:790:TRP:CZ2	1:C:793:LEU:HD13	0.56	2.35	13	1
1:B:781:ILE:HD13	1:C:746:ILE:HG21	0.56	1.76	15	1
1:B:756:ILE:HD13	1:B:756:ILE:C	0.56	2.26	3	2
1:C:756:ILE:C	1:C:756:ILE:HD13	0.56	2.25	2	1
1:A:771:LEU:HD12	1:A:772:ARG:N	0.56	2.15	1	3
1:A:763:LEU:O	1:A:774:LEU:HD22	0.56	2.00	2	1
1:C:820:ILE:O	1:C:822:VAL:N	0.56	2.38	9	8
1:B:765:LEU:HD12	1:B:774:LEU:HD23	0.56	1.76	9	1
1:B:797:TRP:NE1	1:B:847:ILE:HG21	0.56	2.16	10	1
1:A:692:LEU:HD13	1:C:693:ILE:HG12	0.56	1.77	12	1
1:C:829:VAL:O	1:C:833:VAL:HG22	0.56	1.99	7	8
1:A:785:LEU:HD23	1:B:750:ASN:CG	0.56	2.26	6	3
1:A:754:ALA:HB3	1:B:715:LEU:O	0.56	2.00	15	2
1:A:771:LEU:C	1:A:771:LEU:CD1	0.56	2.79	13	2
1:A:830:ILE:C	1:A:830:ILE:HD12	0.56	2.26	13	13
1:C:771:LEU:H	1:C:771:LEU:HD13	0.56	1.59	4	8
1:A:793:LEU:O	1:A:793:LEU:HD23	0.56	2.00	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:799:LEU:HD23	1:A:803:TRP:CZ2	0.56	2.36	15	3
1:C:771:LEU:HD22	1:C:771:LEU:N	0.56	2.15	10	11
1:A:777:ILE:HD12	1:A:778:VAL:N	0.56	2.15	9	3
1:A:713:SER:CB	1:C:708:VAL:HG23	0.56	2.30	12	1
1:B:791:GLU:HB2	1:C:753:LEU:HD22	0.55	1.78	1	1
1:A:708:VAL:HG21	1:B:714:PRO:HD2	0.55	1.77	7	2
1:A:785:LEU:CD2	1:B:749:VAL:HG13	0.55	2.31	13	1
1:A:795:TYR:O	1:A:799:LEU:HD12	0.55	2.02	4	2
1:A:763:LEU:HD12	1:A:763:LEU:H	0.55	1.61	7	1
1:A:747:ARG:HE	1:C:785:LEU:HD23	0.55	1.59	10	1
1:A:763:LEU:N	1:A:763:LEU:HD13	0.55	2.16	14	1
1:B:830:ILE:HD13	1:B:830:ILE:O	0.55	2.02	3	9
1:A:802:TYR:OH	1:B:760:LEU:HD21	0.55	2.00	2	2
1:C:748:LEU:C	1:C:748:LEU:HD13	0.55	2.26	14	5
1:C:764:SER:O	1:C:765:LEU:HB2	0.55	2.02	5	1
1:A:796:TRP:NE1	1:B:756:ILE:HD12	0.55	2.17	14	2
1:C:748:LEU:HD13	1:C:749:VAL:N	0.55	2.16	1	1
1:C:765:LEU:HB2	1:C:774:LEU:HD11	0.55	1.77	11	3
1:A:781:ILE:HD12	1:B:746:ILE:HG12	0.55	1.77	13	2
1:A:747:ARG:CZ	1:A:750:ASN:CG	0.55	2.80	10	1
1:A:820:ILE:O	1:A:822:VAL:N	0.55	2.40	1	3
1:B:774:LEU:HD13	1:B:777:ILE:HD11	0.55	1.78	1	2
1:C:840:ILE:HD13	1:C:840:ILE:O	0.55	2.01	2	1
1:A:764:SER:O	1:A:770:ARG:HB2	0.55	2.01	14	3
1:C:830:ILE:HG23	1:C:831:GLU:CD	0.55	2.27	1	1
1:A:756:ILE:HG23	1:C:795:TYR:HB2	0.55	1.78	9	3
1:A:795:TYR:HB3	1:B:756:ILE:HG21	0.55	1.79	9	1
1:C:777:ILE:HD12	1:C:778:VAL:N	0.55	2.17	10	2
1:B:704:LEU:HD11	1:C:712:TYR:CD2	0.55	2.37	15	1
1:A:771:LEU:H	1:A:771:LEU:HD13	0.54	1.62	2	7
1:B:808:LYS:O	1:B:812:VAL:HG22	0.54	2.02	1	1
1:C:792:ALA:O	1:C:795:TYR:CD2	0.54	2.61	10	5
1:A:709:ARG:CZ	1:C:761:ARG:CZ	0.54	2.85	9	1
1:A:749:VAL:HG21	1:C:781:ILE:HD11	0.54	1.79	9	1
1:A:713:SER:O	1:A:714:PRO:C	0.54	2.51	2	13
1:B:797:TRP:CE2	1:B:847:ILE:HD13	0.54	2.38	14	3
1:C:763:LEU:HD23	1:C:763:LEU:C	0.54	2.27	9	11
1:A:693:ILE:HD12	1:A:694:GLY:N	0.54	2.18	15	6
1:A:754:ALA:HB1	1:B:715:LEU:CD1	0.54	2.25	1	1
1:C:768:TYR:CD2	1:C:771:LEU:HD11	0.54	2.37	3	1
1:B:753:LEU:HD12	1:B:754:ALA:N	0.54	2.18	12	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:695:LEU:HD22	1:C:696:ARG:HH22	0.54	1.63	15	2
1:C:808:LYS:O	1:C:812:VAL:HG13	0.54	2.02	8	1
1:A:820:ILE:HD11	1:A:827:ASP:CA	0.54	2.33	14	1
1:C:790:TRP:C	1:C:792:ALA:N	0.54	2.66	9	15
1:B:704:LEU:HD22	1:C:712:TYR:CB	0.54	2.32	6	1
1:A:705:VAL:HG13	1:A:748:LEU:CD2	0.54	2.33	7	1
1:A:753:LEU:HA	1:C:795:TYR:CD1	0.54	2.37	7	1
1:B:693:ILE:C	1:B:693:ILE:HD13	0.54	2.28	5	6
1:A:826:THR:O	1:A:829:VAL:HG22	0.54	2.03	3	8
1:B:771:LEU:HD22	1:B:771:LEU:C	0.54	2.28	8	3
1:B:697:ILE:HD12	1:B:698:VAL:N	0.54	2.17	3	5
1:A:811:ALA:HB1	1:A:815:LEU:HD12	0.54	1.78	5	3
1:A:815:LEU:HB2	1:A:830:ILE:HD13	0.54	1.80	5	1
1:A:843:ILE:H	1:A:843:ILE:HD13	0.54	1.62	2	12
1:A:693:ILE:HG22	1:C:693:ILE:HG21	0.54	1.80	13	1
1:C:760:LEU:O	1:C:760:LEU:HD23	0.53	2.03	7	1
1:A:800:LEU:C	1:A:800:LEU:HD13	0.53	2.28	8	1
1:B:774:LEU:HD12	1:B:775:LEU:H	0.53	1.62	10	1
1:B:693:ILE:C	1:B:693:ILE:HD12	0.53	2.28	11	1
1:B:778:VAL:O	1:B:781:ILE:HG22	0.53	2.03	2	2
1:B:751:GLY:O	1:B:754:ALA:HB3	0.53	2.03	7	1
1:A:812:VAL:HG21	1:A:834:GLN:CG	0.53	2.33	10	1
1:A:768:TYR:OH	1:A:771:LEU:HD23	0.53	2.03	13	1
1:A:742:ARG:NH2	1:C:774:LEU:HD12	0.53	2.18	2	1
1:C:753:LEU:HD12	1:C:754:ALA:N	0.53	2.18	2	1
1:A:695:LEU:O	1:A:698:VAL:HG12	0.53	2.04	2	7
1:A:715:LEU:O	1:C:754:ALA:HB3	0.53	2.04	1	1
1:B:693:ILE:HD11	1:C:696:ARG:HE	0.53	1.63	1	1
1:C:797:TRP:CD1	1:C:847:ILE:HD11	0.53	2.38	15	3
1:B:791:GLU:OE1	1:C:753:LEU:HD22	0.53	2.04	8	1
1:B:803:TRP:N	1:B:803:TRP:CE3	0.53	2.76	12	14
1:B:795:TYR:HB3	1:C:756:ILE:HG21	0.53	1.81	2	1
1:B:803:TRP:N	1:B:803:TRP:HE3	0.53	2.01	6	11
1:A:756:ILE:HD12	1:C:795:TYR:O	0.53	2.03	6	1
1:A:819:ALA:HB1	1:A:826:THR:HG21	0.53	1.79	15	1
1:A:747:ARG:HA	1:C:785:LEU:HD23	0.53	1.80	1	1
1:B:785:LEU:HD23	1:C:750:ASN:HD21	0.53	1.64	7	2
1:A:795:TYR:HH	1:B:757:TRP:CG	0.53	2.20	11	1
1:C:803:TRP:N	1:C:803:TRP:CE3	0.52	2.76	8	8
1:B:695:LEU:HD22	1:B:696:ARG:HH11	0.52	1.63	3	1
1:C:830:ILE:HG23	1:C:831:GLU:OE1	0.52	2.04	1	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:795:TYR:O	1:C:799:LEU:HB2	0.52	2.04	8	2
1:C:763:LEU:HD23	1:C:764:SER:N	0.52	2.18	1	2
1:A:799:LEU:HD21	1:B:760:LEU:HD13	0.52	1.80	5	1
1:B:799:LEU:C	1:B:799:LEU:HD13	0.52	2.29	14	3
1:A:702:LEU:O	1:A:705:VAL:HG23	0.52	2.04	11	1
1:A:774:LEU:O	1:A:778:VAL:HG23	0.52	2.05	12	6
1:B:774:LEU:C	1:B:774:LEU:HD13	0.52	2.30	9	5
1:C:704:LEU:C	1:C:704:LEU:HD13	0.52	2.28	12	1
1:C:765:LEU:CB	1:C:774:LEU:HD21	0.52	2.34	13	1
1:A:768:TYR:CD2	1:C:803:TRP:CD2	0.52	2.98	1	1
1:A:692:LEU:HD21	1:C:693:ILE:CD1	0.52	2.35	10	2
1:B:829:VAL:O	1:B:833:VAL:HG12	0.52	2.05	9	11
1:B:704:LEU:HD22	1:C:712:TYR:HB3	0.52	1.82	6	1
1:B:829:VAL:O	1:B:833:VAL:HG23	0.52	2.05	8	1
1:C:774:LEU:O	1:C:778:VAL:HG13	0.52	2.04	14	1
1:B:705:VAL:CG2	1:B:748:LEU:HD22	0.52	2.35	8	1
1:C:713:SER:O	1:C:714:PRO:C	0.52	2.53	15	14
1:B:754:ALA:HB1	1:C:715:LEU:O	0.52	2.05	3	3
1:C:756:ILE:HD13	1:C:756:ILE:C	0.51	2.30	5	1
1:A:760:LEU:O	1:A:763:LEU:HD13	0.51	2.06	8	2
1:B:794:LYS:HD3	1:B:795:TYR:N	0.51	2.20	2	1
1:A:816:ASN:ND2	1:A:830:ILE:HD11	0.51	2.20	13	2
1:A:751:GLY:O	1:A:754:ALA:HB3	0.51	2.04	12	1
1:A:816:ASN:HB2	1:A:830:ILE:HD11	0.51	1.82	8	2
1:A:781:ILE:HB	1:B:746:ILE:HG21	0.51	1.81	2	1
1:C:756:ILE:HD13	1:C:756:ILE:O	0.51	2.05	2	1
1:C:760:LEU:HD21	1:C:768:TYR:OH	0.51	2.05	5	1
1:A:706:ASN:OD1	1:A:706:ASN:C	0.51	2.53	8	3
1:A:709:ARG:O	1:C:761:ARG:NH1	0.51	2.43	8	1
1:C:830:ILE:HD13	1:C:830:ILE:C	0.51	2.31	14	2
1:A:768:TYR:CE2	1:A:771:LEU:HD23	0.51	2.40	1	1
1:C:745:SER:O	1:C:748:LEU:HD23	0.51	2.05	3	1
1:B:754:ALA:HB1	1:C:715:LEU:HB3	0.51	1.82	7	1
1:C:765:LEU:HD13	1:C:774:LEU:HD11	0.51	1.83	2	1
1:B:794:LYS:HD2	1:C:753:LEU:HD13	0.51	1.82	3	1
1:A:704:LEU:HD12	1:B:712:TYR:O	0.51	2.06	6	1
1:C:797:TRP:NE1	1:C:847:ILE:HD11	0.51	2.21	15	1
1:C:777:ILE:HD13	1:C:777:ILE:C	0.51	2.31	2	1
1:A:790:TRP:C	1:A:792:ALA:N	0.51	2.67	7	15
1:A:793:LEU:HD11	1:A:847:ILE:CG1	0.51	2.35	4	3
1:A:748:LEU:HD23	1:B:714:PRO:CG	0.51	2.36	5	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:697:ILE:HD11	1:B:696:ARG:HD2	0.51	1.82	13	1
1:A:693:ILE:HD11	1:B:696:ARG:HG3	0.51	1.82	1	2
1:A:694:GLY:O	1:A:697:ILE:HG22	0.51	2.06	1	5
1:A:760:LEU:HD13	1:C:799:LEU:HD11	0.51	1.82	1	2
1:B:790:TRP:C	1:B:792:ALA:N	0.51	2.68	11	15
1:A:760:LEU:HD23	1:A:760:LEU:O	0.51	2.05	12	3
1:C:771:LEU:HD22	1:C:771:LEU:H	0.51	1.64	3	6
1:A:695:LEU:HD23	1:A:695:LEU:O	0.51	2.06	5	2
1:A:706:ASN:OD1	1:C:704:LEU:HD11	0.51	2.05	9	1
1:C:763:LEU:O	1:C:774:LEU:HD22	0.50	2.06	3	1
1:B:765:LEU:CD1	1:B:774:LEU:HD23	0.50	2.37	9	1
1:B:830:ILE:HD13	1:B:830:ILE:C	0.50	2.31	3	5
1:B:713:SER:O	1:B:714:PRO:C	0.50	2.54	12	8
1:C:803:TRP:N	1:C:803:TRP:HE3	0.50	2.04	7	11
1:A:710:GLN:OE1	1:C:704:LEU:HD21	0.50	2.06	3	1
1:A:856:LEU:HD12	1:A:856:LEU:O	0.50	2.06	6	1
1:C:778:VAL:O	1:C:782:VAL:HG23	0.50	2.07	10	1
1:A:774:LEU:HD13	1:A:774:LEU:C	0.50	2.30	13	1
1:C:828:ARG:O	1:C:832:VAL:HG23	0.50	2.05	3	14
1:C:768:TYR:C	1:C:770:ARG:H	0.50	2.14	2	2
1:C:695:LEU:O	1:C:698:VAL:HG12	0.50	2.05	4	4
1:A:746:ILE:CG1	1:C:781:ILE:HG23	0.50	2.37	11	1
1:A:746:ILE:HG21	1:C:781:ILE:HG13	0.50	1.81	3	1
1:A:772:ARG:O	1:A:775:LEU:HD22	0.50	2.05	3	5
1:A:768:TYR:CZ	1:C:803:TRP:CZ3	0.50	2.98	8	1
1:B:795:TYR:C	1:B:795:TYR:CD2	0.50	2.89	14	1
1:C:815:LEU:HB3	1:C:830:ILE:HD11	0.50	1.84	8	3
1:A:715:LEU:O	1:A:716:SER:C	0.50	2.55	9	1
1:A:820:ILE:HD11	1:A:827:ASP:HA	0.50	1.83	14	1
1:B:799:LEU:O	1:B:803:TRP:CE3	0.50	2.65	8	4
1:A:760:LEU:HD23	1:A:760:LEU:C	0.50	2.32	12	6
1:B:797:TRP:NE1	1:B:847:ILE:HD13	0.50	2.21	9	2
1:A:800:LEU:HD22	1:A:803:TRP:HZ3	0.50	1.65	14	3
1:A:755:LEU:HD12	1:B:715:LEU:CD1	0.50	2.37	3	1
1:B:806:GLU:HB3	1:C:771:LEU:HD21	0.50	1.84	7	3
1:C:847:ILE:H	1:C:847:ILE:HD13	0.50	1.66	13	5
1:C:756:ILE:CD1	1:C:760:LEU:HD12	0.50	2.37	7	1
1:A:797:TRP:CG	1:A:847:ILE:HD11	0.50	2.42	9	1
1:C:748:LEU:HD13	1:C:748:LEU:C	0.50	2.31	1	3
1:C:795:TYR:CZ	1:C:796:TRP:NE1	0.50	2.79	14	2
1:A:693:ILE:HD12	1:A:693:ILE:O	0.50	2.06	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:761:ARG:O	1:C:765:LEU:HD12	0.50	2.07	8	1
1:A:753:LEU:HD22	1:C:791:GLU:OE2	0.50	2.07	12	1
1:A:763:LEU:HD13	1:A:763:LEU:H	0.50	1.67	14	1
1:B:795:TYR:CG	1:C:756:ILE:HB	0.50	2.42	14	1
1:C:771:LEU:HD23	1:C:772:ARG:HD3	0.49	1.83	2	2
1:B:693:ILE:HD11	1:C:696:ARG:CD	0.49	2.37	4	3
1:A:696:ARG:NE	1:C:693:ILE:HD11	0.49	2.21	15	5
1:B:795:TYR:O	1:C:756:ILE:HD12	0.49	2.06	9	1
1:C:781:ILE:HG22	1:C:785:LEU:HD22	0.49	1.84	13	1
1:A:756:ILE:CD1	1:C:799:LEU:HD13	0.49	2.37	1	1
1:C:753:LEU:C	1:C:753:LEU:HD12	0.49	2.31	1	4
1:B:758:ASP:HB3	1:C:715:LEU:HD13	0.49	1.83	5	1
1:B:759:ASP:O	1:B:763:LEU:HD22	0.49	2.06	10	1
1:A:792:ALA:HA	1:A:795:TYR:CE1	0.49	2.42	7	1
1:A:693:ILE:HD13	1:B:696:ARG:CZ	0.49	2.37	11	1
1:B:704:LEU:HD13	1:B:707:ARG:CZ	0.49	2.37	8	1
1:A:755:LEU:HD12	1:B:715:LEU:HD13	0.49	1.84	3	1
1:A:775:LEU:O	1:A:778:VAL:HG12	0.49	2.07	8	1
1:B:746:ILE:O	1:B:749:VAL:HG12	0.49	2.07	13	1
1:C:760:LEU:HD23	1:C:761:ARG:N	0.49	2.22	1	1
1:B:705:VAL:HG13	1:B:745:SER:HB3	0.49	1.85	2	1
1:A:799:LEU:CD1	1:B:756:ILE:HG21	0.49	2.37	4	2
1:C:808:LYS:O	1:C:812:VAL:HG12	0.49	2.07	13	10
1:C:697:ILE:HD13	1:C:697:ILE:C	0.49	2.33	7	4
1:A:695:LEU:C	1:A:695:LEU:HD23	0.49	2.33	9	1
1:A:695:LEU:HD22	1:A:696:ARG:HH22	0.49	1.68	12	1
1:A:756:ILE:HG21	1:C:795:TYR:CD2	0.49	2.42	8	1
1:A:768:TYR:CD2	1:A:771:LEU:HD11	0.49	2.43	11	1
1:B:826:THR:O	1:B:829:VAL:HG12	0.49	2.08	14	2
1:A:704:LEU:HD13	1:A:707:ARG:NH2	0.48	2.23	7	1
1:A:799:LEU:HG	1:A:803:TRP:CZ2	0.48	2.43	7	1
1:B:781:ILE:HD13	1:C:743:ASP:O	0.48	2.07	9	1
1:A:693:ILE:HD13	1:B:696:ARG:CG	0.48	2.38	12	1
1:B:781:ILE:HD12	1:B:782:VAL:HG23	0.48	1.85	15	1
1:A:753:LEU:HD13	1:C:791:GLU:CB	0.48	2.38	13	1
1:C:744:ARG:NH2	1:C:745:SER:HA	0.48	2.23	14	1
1:C:792:ALA:O	1:C:795:TYR:CD1	0.48	2.66	6	5
1:A:705:VAL:HG13	1:A:748:LEU:HD23	0.48	1.84	7	1
1:B:795:TYR:CE2	1:B:796:TRP:CD1	0.48	3.01	9	6
1:C:753:LEU:O	1:C:753:LEU:HD12	0.48	2.09	14	2
1:C:695:LEU:HD22	1:C:696:ARG:NH2	0.48	2.22	4	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:819:ALA:O	1:C:826:THR:HG21	0.48	2.09	6	2
1:A:747:ARG:NE	1:A:750:ASN:ND2	0.48	2.62	10	1
1:C:764:SER:C	1:C:774:LEU:HD11	0.48	2.33	11	1
1:C:713:SER:O	1:C:714:PRO:O	0.48	2.30	1	2
1:A:692:LEU:HD13	1:A:693:ILE:H	0.48	1.68	10	2
1:B:792:ALA:HA	1:B:795:TYR:CZ	0.48	2.43	12	1
1:A:793:LEU:CG	1:A:847:ILE:HD11	0.48	2.39	11	1
1:A:704:LEU:HD21	1:B:707:ARG:CG	0.48	2.39	12	1
1:A:704:LEU:CD2	1:B:707:ARG:HG2	0.48	2.39	12	1
1:B:705:VAL:CG2	1:B:748:LEU:HD13	0.48	2.38	1	1
1:A:781:ILE:HD12	1:B:746:ILE:CG1	0.48	2.38	13	2
1:C:843:ILE:HG23	1:C:843:ILE:O	0.48	2.08	9	3
1:A:799:LEU:HD11	1:B:756:ILE:CG2	0.48	2.39	4	1
1:A:753:LEU:C	1:A:753:LEU:HD12	0.48	2.34	13	4
1:A:771:LEU:H	1:A:771:LEU:HD22	0.48	1.68	11	1
1:A:753:LEU:HD12	1:A:754:ALA:N	0.48	2.24	10	5
1:C:756:ILE:HG23	1:C:757:TRP:N	0.48	2.23	14	4
1:A:746:ILE:HG12	1:C:781:ILE:HG23	0.48	1.85	11	1
1:A:768:TYR:CZ	1:C:803:TRP:CE3	0.48	3.01	13	1
1:B:819:ALA:HB1	1:B:826:THR:CB	0.47	2.39	15	5
1:A:756:ILE:HG23	1:C:795:TYR:HD1	0.47	1.68	5	1
1:C:704:LEU:O	1:C:708:VAL:HG23	0.47	2.09	7	1
1:A:799:LEU:HD21	1:B:760:LEU:HD12	0.47	1.86	11	1
1:C:774:LEU:HA	1:C:777:ILE:HG23	0.47	1.85	2	1
1:A:695:LEU:HD22	1:A:696:ARG:NH2	0.47	2.23	8	3
1:B:768:TYR:CD1	1:B:771:LEU:HD11	0.47	2.44	13	1
1:A:704:LEU:HD21	1:B:707:ARG:HG3	0.47	1.84	3	1
1:B:753:LEU:C	1:B:753:LEU:HD12	0.47	2.33	14	3
1:C:761:ARG:CZ	1:C:762:SER:HB2	0.47	2.39	4	1
1:C:792:ALA:HA	1:C:795:TYR:CE2	0.47	2.44	13	1
1:A:705:VAL:HG22	1:A:748:LEU:HD22	0.47	1.86	2	1
1:B:756:ILE:O	1:B:760:LEU:HB2	0.47	2.09	9	1
1:A:693:ILE:C	1:A:693:ILE:HD12	0.47	2.34	10	1
1:A:704:LEU:HD21	1:B:707:ARG:CD	0.47	2.40	12	1
1:C:765:LEU:CD1	1:C:774:LEU:HD21	0.47	2.40	12	1
1:B:781:ILE:HG22	1:C:746:ILE:HG21	0.47	1.86	14	1
1:A:756:ILE:HG22	1:C:799:LEU:HD12	0.47	1.85	11	2
1:B:774:LEU:HD23	1:B:774:LEU:O	0.47	2.09	13	1
1:A:771:LEU:HD13	1:A:771:LEU:N	0.47	2.25	11	5
1:B:708:VAL:HG21	1:C:714:PRO:HD3	0.47	1.86	12	1
1:A:714:PRO:HB3	1:C:748:LEU:HD22	0.47	1.85	13	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:843:ILE:HD13	1:A:843:ILE:N	0.47	2.25	5	12
1:B:815:LEU:CB	1:B:830:ILE:HD11	0.47	2.40	14	2
1:A:771:LEU:HD22	1:A:771:LEU:N	0.47	2.24	15	8
1:C:764:SER:HB3	1:C:771:LEU:HD12	0.47	1.85	10	2
1:A:799:LEU:HD23	1:A:800:LEU:N	0.47	2.24	10	1
1:A:692:LEU:HD23	1:A:696:ARG:NE	0.47	2.23	13	1
1:C:710:GLN:O	1:C:710:GLN:HG3	0.47	2.10	13	1
1:B:828:ARG:O	1:B:832:VAL:HG22	0.47	2.08	4	1
1:A:739:GLU:O	1:C:761:ARG:NE	0.47	2.48	13	1
1:B:806:GLU:CB	1:C:771:LEU:HD21	0.47	2.39	1	1
1:B:765:LEU:HD23	1:B:766:PHE:N	0.47	2.24	14	1
1:B:695:LEU:HD23	1:B:695:LEU:C	0.47	2.35	3	4
1:A:693:ILE:HD11	1:B:696:ARG:NE	0.47	2.24	8	1
1:C:756:ILE:O	1:C:760:LEU:HB2	0.47	2.09	8	1
1:C:850:GLY:O	1:C:854:ILE:HG22	0.46	2.09	4	3
1:A:696:ARG:O	1:A:699:PHE:HB2	0.46	2.11	11	2
1:B:763:LEU:C	1:B:763:LEU:HD23	0.46	2.35	9	6
1:C:704:LEU:HD22	1:C:707:ARG:CZ	0.46	2.41	6	1
1:C:792:ALA:HA	1:C:795:TYR:CE1	0.46	2.46	8	1
1:A:693:ILE:HD13	1:B:696:ARG:HG3	0.46	1.86	12	1
1:C:771:LEU:HD23	1:C:772:ARG:H	0.46	1.71	14	1
1:C:790:TRP:C	1:C:792:ALA:H	0.46	2.18	9	3
1:A:706:ASN:O	1:A:710:GLN:N	0.46	2.48	3	2
1:B:803:TRP:CH2	1:C:760:LEU:HD11	0.46	2.45	6	1
1:B:744:ARG:O	1:B:747:ARG:HB2	0.46	2.10	9	1
1:A:692:LEU:HD12	1:A:693:ILE:H	0.46	1.69	11	1
1:A:799:LEU:HD11	1:B:756:ILE:CG1	0.46	2.41	3	1
1:B:768:TYR:CE1	1:B:771:LEU:HD12	0.46	2.46	4	1
1:B:792:ALA:O	1:B:795:TYR:CD1	0.46	2.68	7	5
1:C:771:LEU:HD13	1:C:771:LEU:N	0.46	2.24	4	4
1:A:715:LEU:O	1:A:715:LEU:HD23	0.46	2.09	7	1
1:A:714:PRO:HA	1:C:704:LEU:HD12	0.46	1.88	10	1
1:C:774:LEU:CD1	1:C:777:ILE:HD11	0.46	2.40	13	1
1:A:756:ILE:HD12	1:C:799:LEU:HD13	0.46	1.86	1	1
1:B:795:TYR:CD1	1:C:753:LEU:HA	0.46	2.46	15	2
1:B:808:LYS:O	1:B:812:VAL:HG23	0.46	2.11	4	5
1:B:803:TRP:CZ2	1:C:763:LEU:HD22	0.46	2.45	4	1
1:A:775:LEU:HD23	1:A:775:LEU:C	0.46	2.36	9	3
1:C:764:SER:C	1:C:774:LEU:HD12	0.46	2.36	6	1
1:A:746:ILE:O	1:A:749:VAL:HG23	0.46	2.10	10	1
1:A:758:ASP:HB3	1:B:715:LEU:HD21	0.46	1.87	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:799:LEU:HD13	1:B:800:LEU:HD22	0.46	1.85	3	1
1:A:706:ASN:OD1	1:A:707:ARG:N	0.46	2.48	7	4
1:A:819:ALA:HB1	1:A:826:THR:OG1	0.46	2.11	7	1
1:B:778:VAL:HG22	1:C:742:ARG:NH1	0.46	2.26	11	1
1:C:777:ILE:C	1:C:777:ILE:HD12	0.46	2.35	13	2
1:A:785:LEU:HD13	1:B:750:ASN:ND2	0.46	2.26	13	1
1:C:799:LEU:HG	1:C:803:TRP:CZ2	0.46	2.45	1	1
1:A:847:ILE:C	1:A:847:ILE:HD12	0.46	2.35	2	1
1:C:795:TYR:CE2	1:C:796:TRP:CD1	0.46	3.04	3	3
1:A:794:LYS:HE2	1:B:753:LEU:HD13	0.46	1.88	4	1
1:A:765:LEU:HD11	1:A:777:ILE:HD11	0.46	1.88	10	1
1:C:820:ILE:HD13	1:C:826:THR:OG1	0.46	2.10	6	1
1:C:791:GLU:O	1:C:795:TYR:CD1	0.46	2.69	7	2
1:B:793:LEU:HD22	1:B:797:TRP:CE2	0.46	2.46	12	1
1:B:799:LEU:HD13	1:B:800:LEU:H	0.46	1.70	12	1
1:A:785:LEU:HD23	1:B:749:VAL:HB	0.46	1.87	2	2
1:A:775:LEU:HD23	1:A:776:LEU:H	0.46	1.71	3	2
1:B:774:LEU:HD11	1:C:742:ARG:NH2	0.46	2.26	9	1
1:A:756:ILE:HG22	1:C:799:LEU:HB2	0.45	1.87	5	1
1:A:812:VAL:HG21	1:A:834:GLN:HG3	0.45	1.87	10	1
1:A:816:ASN:N	1:A:830:ILE:HD11	0.45	2.26	10	1
1:B:692:LEU:O	1:B:695:LEU:CB	0.45	2.64	11	1
1:A:704:LEU:HD21	1:B:707:ARG:HB3	0.45	1.87	4	1
1:C:855:LEU:HD13	1:C:855:LEU:O	0.45	2.12	10	3
1:B:795:TYR:CZ	1:B:796:TRP:NE1	0.45	2.84	10	1
1:A:791:GLU:OE2	1:B:753:LEU:HD22	0.45	2.11	1	1
1:B:799:LEU:HD13	1:B:799:LEU:C	0.45	2.37	3	2
1:C:835:GLY:O	1:C:839:ALA:HB3	0.45	2.11	15	4
1:C:758:ASP:O	1:C:761:ARG:NE	0.45	2.50	8	1
1:A:768:TYR:CE1	1:C:803:TRP:HA	0.45	2.47	13	1
1:B:690:GLY:O	1:B:693:ILE:HG23	0.45	2.11	11	2
1:A:799:LEU:HD11	1:B:756:ILE:HG12	0.45	1.87	3	1
1:A:755:LEU:HD13	1:B:715:LEU:HD21	0.45	1.87	4	1
1:B:705:VAL:HG21	1:B:748:LEU:CD2	0.45	2.41	8	1
1:C:856:LEU:C	1:C:856:LEU:HD12	0.45	2.36	14	3
1:A:774:LEU:C	1:A:774:LEU:HD23	0.45	2.37	11	1
1:A:795:TYR:C	1:A:795:TYR:CD2	0.45	2.95	10	2
1:B:814:LEU:C	1:B:814:LEU:HD23	0.45	2.37	3	1
1:B:774:LEU:HD21	1:C:742:ARG:NH2	0.45	2.26	9	1
1:A:785:LEU:HD13	1:B:750:ASN:OD1	0.45	2.11	13	1
1:A:781:ILE:HG12	1:B:746:ILE:HG21	0.45	1.88	7	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:843:ILE:HD12	1:B:843:ILE:N	0.45	2.26	15	1
1:A:802:TYR:CE2	1:B:768:TYR:CZ	0.45	3.05	2	1
1:A:698:VAL:O	1:A:701:VAL:HB	0.45	2.12	7	5
1:A:768:TYR:C	1:A:770:ARG:H	0.45	2.20	14	3
1:A:854:ILE:HG22	1:A:854:ILE:O	0.45	2.12	3	6
1:B:707:ARG:HD3	1:C:712:TYR:CZ	0.45	2.46	3	1
1:A:799:LEU:HD21	1:A:803:TRP:CH2	0.45	2.47	10	1
1:A:820:ILE:HD11	1:A:827:ASP:CB	0.45	2.42	14	1
1:B:799:LEU:HD21	1:C:760:LEU:CD1	0.45	2.42	2	1
1:A:745:SER:HA	1:A:748:LEU:HD22	0.45	1.86	5	1
1:A:693:ILE:HD12	1:A:693:ILE:C	0.45	2.37	6	3
1:A:744:ARG:O	1:A:748:LEU:HD23	0.45	2.12	9	1
1:A:820:ILE:O	1:A:821:ALA:C	0.45	2.59	15	4
1:A:774:LEU:CD2	1:A:777:ILE:HD11	0.45	2.42	14	1
1:B:707:ARG:NH1	1:C:712:TYR:CD1	0.45	2.85	15	1
1:C:750:ASN:ND2	1:C:750:ASN:H	0.45	2.10	15	1
1:A:785:LEU:HD21	1:B:750:ASN:ND2	0.45	2.27	7	2
1:B:832:VAL:O	1:B:836:ALA:HB2	0.45	2.12	3	6
1:A:770:ARG:O	1:A:774:LEU:N	0.45	2.49	9	2
1:C:704:LEU:HD22	1:C:707:ARG:NH1	0.45	2.27	10	1
1:A:812:VAL:HG13	1:A:816:ASN:ND2	0.45	2.27	13	1
1:B:768:TYR:CG	1:B:769:HIS:N	0.44	2.85	4	1
1:A:768:TYR:CE2	1:C:803:TRP:CE2	0.44	3.05	7	1
1:C:790:TRP:HA	1:C:790:TRP:CE3	0.44	2.47	7	2
1:A:785:LEU:HD22	1:B:749:VAL:HG13	0.44	1.87	13	1
1:A:705:VAL:HG22	1:A:748:LEU:HD23	0.44	1.88	1	1
1:A:814:LEU:O	1:A:818:THR:HG22	0.44	2.12	1	1
1:B:803:TRP:O	1:B:806:GLU:HG2	0.44	2.12	1	2
1:A:829:VAL:O	1:A:833:VAL:HG23	0.44	2.13	3	4
1:C:695:LEU:C	1:C:695:LEU:HD23	0.44	2.37	12	2
1:A:795:TYR:CD2	1:B:753:LEU:HA	0.44	2.47	7	1
1:A:756:ILE:O	1:A:760:LEU:HB2	0.44	2.11	7	2
1:B:812:VAL:HG12	1:B:816:ASN:ND2	0.44	2.27	3	1
1:C:795:TYR:CE1	1:C:796:TRP:CD1	0.44	3.05	5	3
1:B:712:TYR:CZ	1:C:712:TYR:OH	0.44	2.71	6	1
1:B:707:ARG:CZ	1:C:712:TYR:CE1	0.44	3.01	15	1
1:C:748:LEU:HD22	1:C:748:LEU:C	0.44	2.37	1	1
1:C:803:TRP:CE3	1:C:803:TRP:N	0.44	2.86	15	7
1:C:695:LEU:O	1:C:695:LEU:HD23	0.44	2.12	6	1
1:C:758:ASP:O	1:C:761:ARG:CZ	0.44	2.65	7	2
1:B:692:LEU:O	1:B:696:ARG:NH1	0.44	2.51	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:768:TYR:CE2	1:C:803:TRP:CE3	0.44	3.06	13	1
1:A:835:GLY:O	1:A:839:ALA:HB3	0.44	2.12	6	2
1:A:854:ILE:O	1:A:854:ILE:HD13	0.44	2.13	1	1
1:C:771:LEU:H	1:C:771:LEU:HD22	0.44	1.72	6	2
1:A:821:ALA:C	1:A:822:VAL:HG22	0.44	2.37	13	3
1:B:847:ILE:HG23	1:B:848:ARG:N	0.44	2.28	15	4
1:B:808:LYS:O	1:B:812:VAL:HG12	0.44	2.13	10	1
1:C:774:LEU:HD13	1:C:777:ILE:CD1	0.44	2.43	13	1
1:B:768:TYR:C	1:B:770:ARG:H	0.44	2.21	14	1
1:C:795:TYR:CZ	1:C:796:TRP:CE2	0.44	3.05	14	1
1:B:828:ARG:O	1:B:832:VAL:HG23	0.44	2.12	15	1
1:B:771:LEU:N	1:B:771:LEU:HD22	0.44	2.28	1	4
1:A:715:LEU:O	1:C:754:ALA:HB1	0.44	2.13	2	1
1:B:790:TRP:CE3	1:B:790:TRP:HA	0.44	2.48	15	7
1:B:705:VAL:HG21	1:B:748:LEU:HD12	0.44	1.88	6	1
1:A:856:LEU:C	1:A:856:LEU:HD12	0.44	2.37	10	1
1:B:795:TYR:CD2	1:C:756:ILE:HB	0.44	2.47	1	1
1:B:793:LEU:O	1:B:797:TRP:CD1	0.44	2.71	8	4
1:A:771:LEU:HD22	1:A:771:LEU:C	0.44	2.38	5	2
1:C:744:ARG:CZ	1:C:747:ARG:HB2	0.44	2.42	5	1
1:A:763:LEU:H	1:A:763:LEU:HD13	0.44	1.73	9	1
1:A:756:ILE:HD13	1:C:795:TYR:O	0.44	2.13	10	1
1:C:777:ILE:HD12	1:C:781:ILE:HD13	0.44	1.90	15	1
1:B:695:LEU:O	1:B:698:VAL:HG12	0.44	2.13	7	2
1:C:695:LEU:HD23	1:C:695:LEU:C	0.44	2.38	6	1
1:A:768:TYR:CD1	1:C:803:TRP:HA	0.44	2.48	10	1
1:C:690:GLY:O	1:C:693:ILE:HG23	0.44	2.13	11	2
1:C:758:ASP:O	1:C:761:ARG:HD2	0.44	2.13	11	1
1:B:794:LYS:NZ	1:C:753:LEU:HD13	0.44	2.28	15	1
1:C:794:LYS:HD3	1:C:795:TYR:N	0.43	2.28	1	2
1:B:836:ALA:O	1:B:840:ILE:HG22	0.43	2.13	3	2
1:B:822:VAL:O	1:B:822:VAL:HG13	0.43	2.13	4	1
1:B:828:ARG:O	1:B:832:VAL:HG12	0.43	2.13	5	5
1:B:799:LEU:O	1:B:803:TRP:CD2	0.43	2.71	7	1
1:B:747:ARG:O	1:B:751:GLY:N	0.43	2.51	9	1
1:B:824:GLU:O	1:B:825:GLY:C	0.43	2.61	12	1
1:A:756:ILE:HD13	1:C:795:TYR:OH	0.43	2.12	13	1
1:B:777:ILE:HD12	1:B:777:ILE:C	0.43	2.37	3	2
1:B:820:ILE:HD12	1:B:820:ILE:N	0.43	2.28	14	2
1:A:768:TYR:CZ	1:A:771:LEU:HD11	0.43	2.48	9	1
1:B:763:LEU:O	1:B:774:LEU:HD22	0.43	2.13	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:741:ASP:O	1:B:744:ARG:N	0.43	2.50	12	4
1:A:808:LYS:NZ	1:A:837:SER:C	0.43	2.76	11	1
1:B:819:ALA:HB1	1:B:827:ASP:N	0.43	2.27	11	1
1:B:795:TYR:CE2	1:C:756:ILE:HD13	0.43	2.48	12	1
1:B:799:LEU:CB	1:C:760:LEU:HD11	0.43	2.42	12	1
1:A:749:VAL:CG2	1:C:785:LEU:HD11	0.43	2.44	14	1
1:A:776:LEU:C	1:A:776:LEU:HD23	0.43	2.37	14	1
1:C:820:ILE:O	1:C:821:ALA:C	0.43	2.61	2	1
1:A:758:ASP:N	1:A:758:ASP:OD1	0.43	2.51	6	1
1:C:774:LEU:O	1:C:778:VAL:HG23	0.43	2.13	6	1
1:B:704:LEU:HD21	1:C:707:ARG:HA	0.43	1.90	7	1
1:A:693:ILE:HD13	1:B:696:ARG:HH11	0.43	1.69	11	1
1:C:766:PHE:O	1:C:767:SER:C	0.43	2.61	14	1
1:B:692:LEU:O	1:B:696:ARG:NH2	0.43	2.51	5	1
1:A:790:TRP:CE3	1:A:790:TRP:HA	0.43	2.49	7	1
1:B:799:LEU:HD23	1:C:756:ILE:HG12	0.43	1.91	7	1
1:A:800:LEU:HD13	1:A:800:LEU:O	0.43	2.13	8	1
1:A:768:TYR:CE1	1:A:771:LEU:CD2	0.43	3.01	10	1
1:A:748:LEU:HD12	1:A:748:LEU:O	0.43	2.13	13	1
1:A:713:SER:OG	1:C:708:VAL:HG22	0.43	2.12	14	1
1:B:693:ILE:HD12	1:C:696:ARG:HE	0.43	1.72	15	1
1:A:705:VAL:HG22	1:A:748:LEU:CD2	0.43	2.44	1	1
1:B:795:TYR:CE2	1:B:796:TRP:NE1	0.43	2.86	1	1
1:B:781:ILE:HG12	1:B:785:LEU:HD13	0.43	1.90	2	1
1:A:799:LEU:HD13	1:B:756:ILE:HG21	0.43	1.91	5	1
1:A:747:ARG:CZ	1:C:785:LEU:HB3	0.43	2.43	10	1
1:A:693:ILE:HD13	1:B:696:ARG:CD	0.43	2.43	15	1
1:A:771:LEU:HD23	1:A:772:ARG:HD3	0.43	1.89	2	1
1:B:792:ALA:HA	1:B:795:TYR:CE1	0.43	2.48	3	1
1:B:753:LEU:HD12	1:B:753:LEU:C	0.43	2.39	12	2
1:C:774:LEU:HD13	1:C:777:ILE:HD11	0.43	1.90	13	1
1:A:756:ILE:HD11	1:C:795:TYR:HB2	0.43	1.90	1	1
1:C:815:LEU:HD23	1:C:830:ILE:HD11	0.43	1.89	1	1
1:A:693:ILE:HD13	1:B:693:ILE:CG1	0.43	2.44	2	1
1:B:710:GLN:O	1:B:715:LEU:HD11	0.43	2.14	2	1
1:B:781:ILE:CG1	1:B:785:LEU:HD13	0.43	2.44	2	1
1:C:833:VAL:HG23	1:C:834:GLN:N	0.43	2.29	10	5
1:A:692:LEU:HD23	1:A:696:ARG:HH11	0.43	1.74	10	1
1:A:693:ILE:HB	1:B:696:ARG:CZ	0.43	2.44	11	1
1:A:768:TYR:O	1:A:771:LEU:HG	0.43	2.14	1	1
1:B:697:ILE:HD13	1:B:697:ILE:C	0.43	2.39	2	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:795:TYR:CB	1:B:756:ILE:HG21	0.43	2.44	3	1
1:B:799:LEU:HB2	1:C:756:ILE:HD11	0.43	1.89	3	1
1:A:807:LEU:HD22	1:B:772:ARG:NH1	0.43	2.28	6	1
1:A:771:LEU:CD1	1:A:771:LEU:H	0.43	2.26	8	1
1:B:796:TRP:HA	1:B:799:LEU:HD12	0.43	1.91	12	1
1:A:746:ILE:CG2	1:C:781:ILE:HG23	0.42	2.41	1	1
1:A:802:TYR:CZ	1:B:760:LEU:HD11	0.42	2.49	1	2
1:C:771:LEU:N	1:C:771:LEU:HD13	0.42	2.29	7	2
1:C:820:ILE:N	1:C:820:ILE:HD12	0.42	2.28	12	2
1:A:756:ILE:HD13	1:C:796:TRP:CD1	0.42	2.49	1	1
1:C:829:VAL:O	1:C:833:VAL:HG12	0.42	2.14	1	1
1:B:763:LEU:O	1:B:774:LEU:HD12	0.42	2.14	9	1
1:B:771:LEU:O	1:B:774:LEU:HG	0.42	2.14	10	1
1:C:764:SER:C	1:C:774:LEU:CD1	0.42	2.92	11	2
1:B:794:LYS:CD	1:B:794:LYS:C	0.42	2.93	13	1
1:A:757:TRP:CD1	1:A:758:ASP:N	0.42	2.87	14	1
1:B:815:LEU:HB2	1:B:830:ILE:HD11	0.42	1.91	14	1
1:B:781:ILE:HD12	1:B:782:VAL:H	0.42	1.70	15	1
1:C:795:TYR:HD2	1:C:796:TRP:N	0.42	2.12	1	1
1:A:802:TYR:CE1	1:B:760:LEU:HD11	0.42	2.50	2	1
1:C:830:ILE:HD12	1:C:830:ILE:C	0.42	2.39	2	1
1:A:771:LEU:HD13	1:A:771:LEU:H	0.42	1.73	6	1
1:B:763:LEU:HD23	1:B:764:SER:N	0.42	2.27	10	3
1:A:748:LEU:O	1:B:716:SER:CB	0.42	2.68	9	1
1:A:793:LEU:HD13	1:A:793:LEU:O	0.42	2.14	2	1
1:A:742:ARG:O	1:A:746:ILE:HD12	0.42	2.15	6	1
1:A:750:ASN:N	1:C:785:LEU:HD21	0.42	2.29	6	1
1:A:795:TYR:CD2	1:B:756:ILE:CG2	0.42	3.00	8	1
1:A:709:ARG:CZ	1:A:709:ARG:HA	0.42	2.45	9	1
1:C:771:LEU:HD23	1:C:772:ARG:CD	0.42	2.45	2	1
1:B:799:LEU:C	1:B:799:LEU:HD22	0.42	2.39	11	2
1:A:697:ILE:HD13	1:A:697:ILE:C	0.42	2.39	5	3
1:A:695:LEU:HD23	1:A:695:LEU:C	0.42	2.39	5	2
1:B:781:ILE:HD13	1:C:746:ILE:CG2	0.42	2.43	15	1
1:C:822:VAL:HG13	1:C:823:GLY:N	0.42	2.30	11	5
1:C:816:ASN:O	1:C:820:ILE:HD13	0.42	2.15	5	1
1:B:769:HIS:H	1:B:771:LEU:HD12	0.42	1.75	12	1
1:A:765:LEU:HD12	1:A:765:LEU:N	0.42	2.30	1	1
1:A:815:LEU:O	1:A:819:ALA:HB2	0.42	2.15	1	1
1:B:760:LEU:HD23	1:B:760:LEU:O	0.42	2.14	1	2
1:A:800:LEU:HA	1:A:803:TRP:CE3	0.42	2.49	6	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:758:ASP:CB	1:B:715:LEU:HD21	0.42	2.45	3	1
1:A:710:GLN:O	1:A:715:LEU:HD12	0.42	2.15	5	1
1:B:756:ILE:C	1:B:756:ILE:CD1	0.42	2.93	3	1
1:A:771:LEU:CD1	1:A:772:ARG:N	0.42	2.82	7	1
1:B:830:ILE:HG23	1:B:831:GLU:N	0.42	2.30	8	2
1:A:815:LEU:CB	1:A:830:ILE:HD13	0.42	2.45	12	1
1:B:693:ILE:HD13	1:B:693:ILE:C	0.42	2.39	9	2
1:B:771:LEU:HD13	1:B:771:LEU:N	0.42	2.27	1	1
1:A:780:ARG:O	1:A:784:LEU:HD23	0.42	2.15	2	1
1:B:791:GLU:O	1:B:795:TYR:CD1	0.42	2.73	3	1
1:A:820:ILE:O	1:A:821:ALA:O	0.42	2.37	5	1
1:C:793:LEU:O	1:C:797:TRP:CD1	0.42	2.73	15	2
1:B:793:LEU:HD23	1:B:847:ILE:HG12	0.42	1.91	10	1
1:A:774:LEU:O	1:A:777:ILE:HG13	0.42	2.15	11	2
1:A:816:ASN:OD1	1:A:816:ASN:C	0.41	2.63	2	1
1:A:714:PRO:HD2	1:C:708:VAL:HG21	0.41	1.92	3	1
1:C:693:ILE:C	1:C:693:ILE:HD13	0.41	2.40	3	1
1:C:744:ARG:O	1:C:747:ARG:HB2	0.41	2.15	14	2
1:A:753:LEU:HD13	1:C:791:GLU:HB3	0.41	1.91	13	1
1:C:799:LEU:O	1:C:803:TRP:CG	0.41	2.73	13	1
1:C:771:LEU:N	1:C:771:LEU:HD22	0.41	2.29	15	1
1:A:746:ILE:HG22	1:C:785:LEU:HD22	0.41	1.92	1	1
1:C:847:ILE:N	1:C:847:ILE:HD13	0.41	2.29	12	3
1:A:771:LEU:H	1:A:771:LEU:CD1	0.41	2.28	5	1
1:A:756:ILE:N	1:A:756:ILE:HD12	0.41	2.30	13	1
1:A:765:LEU:HD23	1:A:766:PHE:N	0.41	2.29	2	1
1:A:830:ILE:HD12	1:A:831:GLU:N	0.41	2.30	3	1
1:A:715:LEU:HD22	1:C:754:ALA:HB1	0.41	1.92	13	1
1:A:799:LEU:HD23	1:A:803:TRP:HZ2	0.41	1.72	15	1
1:C:742:ARG:O	1:C:746:ILE:HD13	0.41	2.15	15	1
1:A:758:ASP:CG	1:B:715:LEU:HD21	0.41	2.40	3	1
1:A:744:ARG:HD3	1:A:744:ARG:C	0.41	2.40	8	1
1:A:795:TYR:CE2	1:B:757:TRP:CD1	0.41	3.09	12	1
1:B:760:LEU:C	1:B:760:LEU:CD2	0.41	2.91	13	1
1:A:847:ILE:HD12	1:A:847:ILE:C	0.41	2.39	14	1
1:C:750:ASN:N	1:C:750:ASN:ND2	0.41	2.68	14	1
1:B:803:TRP:O	1:B:806:GLU:HG3	0.41	2.15	15	1
1:A:795:TYR:HH	1:B:757:TRP:HD1	0.41	1.56	4	1
1:B:744:ARG:O	1:B:747:ARG:HB3	0.41	2.16	5	1
1:A:808:LYS:HZ3	1:A:838:ARG:N	0.41	2.13	6	1
1:C:774:LEU:O	1:C:777:ILE:CG1	0.41	2.69	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:743:ASP:HA	1:A:746:ILE:HD12	0.41	1.91	9	1
1:C:703:SER:O	1:C:707:ARG:HD2	0.41	2.16	9	1
1:C:707:ARG:HA	1:C:712:TYR:CD2	0.41	2.50	15	1
1:B:830:ILE:C	1:B:830:ILE:CD1	0.41	2.94	6	2
1:A:793:LEU:HD21	1:A:847:ILE:HD11	0.41	1.91	4	1
1:C:746:ILE:HD12	1:C:746:ILE:N	0.41	2.31	9	1
1:B:790:TRP:C	1:B:792:ALA:H	0.41	2.24	13	1
1:A:696:ARG:HD2	1:A:696:ARG:N	0.41	2.31	2	1
1:B:785:LEU:HD23	1:C:750:ASN:CG	0.41	2.41	2	1
1:C:708:VAL:HG12	1:C:741:ASP:OD2	0.41	2.16	5	1
1:B:836:ALA:O	1:B:840:ILE:HD12	0.41	2.15	12	2
1:A:696:ARG:N	1:A:696:ARG:HD3	0.41	2.29	8	1
1:A:692:LEU:HD23	1:A:696:ARG:NH1	0.41	2.31	10	1
1:B:764:SER:CB	1:B:771:LEU:HD12	0.41	2.46	13	2
1:A:768:TYR:OH	1:A:771:LEU:CD2	0.41	2.69	13	1
1:B:791:GLU:CB	1:C:753:LEU:HD22	0.41	2.43	1	1
1:A:855:LEU:O	1:A:856:LEU:C	0.41	2.64	2	1
1:B:706:ASN:O	1:B:710:GLN:N	0.41	2.54	2	1
1:A:760:LEU:HA	1:A:763:LEU:HD11	0.41	1.91	7	1
1:B:833:VAL:HG13	1:B:834:GLN:N	0.41	2.31	7	1
1:A:768:TYR:CZ	1:C:803:TRP:CD2	0.41	3.08	13	1
1:A:750:ASN:CG	1:C:785:LEU:HD23	0.41	2.41	14	1
1:B:763:LEU:HA	1:B:774:LEU:HD22	0.41	1.92	15	1
1:C:790:TRP:O	1:C:792:ALA:N	0.41	2.53	7	3
1:B:756:ILE:HD11	1:B:760:LEU:HD13	0.41	1.92	3	1
1:B:818:THR:O	1:B:821:ALA:HB3	0.41	2.15	4	1
1:B:744:ARG:NH2	1:C:716:SER:OG	0.41	2.53	6	1
1:B:795:TYR:CD2	1:B:796:TRP:CD1	0.41	3.09	6	1
1:B:803:TRP:HH2	1:C:760:LEU:HD11	0.41	1.75	6	1
1:A:793:LEU:HD23	1:A:793:LEU:C	0.41	2.41	8	1
1:A:704:LEU:HD13	1:B:707:ARG:HG3	0.41	1.93	9	1
1:A:793:LEU:C	1:A:793:LEU:CD1	0.41	2.91	9	1
1:B:830:ILE:CG2	1:B:831:GLU:N	0.41	2.83	11	1
1:A:776:LEU:O	1:A:779:THR:HG22	0.41	2.16	14	1
1:C:830:ILE:HG23	1:C:831:GLU:N	0.41	2.30	5	3
1:A:756:ILE:HB	1:C:795:TYR:HB2	0.41	1.92	6	1
1:B:799:LEU:HD22	1:B:799:LEU:C	0.41	2.41	8	1
1:C:781:ILE:HD13	1:C:785:LEU:HD13	0.41	1.90	8	1
1:C:764:SER:O	1:C:765:LEU:CB	0.41	2.69	9	1
1:C:807:LEU:HD13	1:C:807:LEU:C	0.41	2.40	9	1
1:A:693:ILE:HD13	1:B:693:ILE:HG12	0.41	1.93	10	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:806:GLU:CD	1:B:769:HIS:HA	0.41	2.40	14	1
1:B:755:LEU:HD23	1:B:755:LEU:O	0.41	2.16	14	1
1:A:802:TYR:CZ	1:B:768:TYR:OH	0.40	2.74	1	1
1:B:814:LEU:HD23	1:B:814:LEU:C	0.40	2.40	1	2
1:A:765:LEU:O	1:A:766:PHE:O	0.40	2.39	10	1
1:A:793:LEU:HD13	1:A:793:LEU:C	0.40	2.40	13	1
1:C:847:ILE:HD13	1:C:847:ILE:H	0.40	1.76	2	1
1:A:753:LEU:O	1:A:756:ILE:HG22	0.40	2.17	3	1
1:A:806:GLU:CB	1:B:768:TYR:OH	0.40	2.70	4	1
1:B:813:SER:O	1:B:817:ALA:HB2	0.40	2.16	4	1
1:A:776:LEU:O	1:A:776:LEU:HD23	0.40	2.17	5	1
1:C:843:ILE:HD12	1:C:844:PRO:O	0.40	2.16	6	1
1:A:704:LEU:HD13	1:B:707:ARG:CG	0.40	2.46	9	1
1:B:704:LEU:HD22	1:B:704:LEU:N	0.40	2.32	10	1
1:C:820:ILE:HD12	1:C:827:ASP:HB2	0.40	1.93	10	1
1:C:855:LEU:O	1:C:855:LEU:HD13	0.40	2.16	11	1
1:C:795:TYR:CD1	1:C:796:TRP:CD1	0.40	3.09	12	1
1:A:781:ILE:HD12	1:B:746:ILE:CD1	0.40	2.46	13	1
1:B:851:LEU:C	1:B:851:LEU:HD23	0.40	2.41	15	1
1:A:795:TYR:CD1	1:A:796:TRP:CD1	0.40	3.09	1	1
1:C:833:VAL:HG13	1:C:834:GLN:N	0.40	2.31	1	1
1:C:832:VAL:O	1:C:836:ALA:HB2	0.40	2.16	2	1
1:C:753:LEU:HD12	1:C:753:LEU:O	0.40	2.16	4	1
1:A:816:ASN:CB	1:A:830:ILE:HD11	0.40	2.46	8	1
1:A:781:ILE:O	1:A:785:LEU:HD13	0.40	2.16	10	1
1:A:692:LEU:HD12	1:A:692:LEU:C	0.40	2.40	12	1
1:A:762:SER:O	1:A:774:LEU:HD13	0.40	2.16	14	1
1:B:830:ILE:HD13	1:B:834:GLN:NE2	0.40	2.32	14	1
1:A:710:GLN:HG2	1:C:704:LEU:HD21	0.40	1.93	15	1
1:B:799:LEU:HD22	1:B:803:TRP:CH2	0.40	2.52	2	1
1:B:832:VAL:HG23	1:B:833:VAL:N	0.40	2.31	2	1
1:B:703:SER:O	1:B:707:ARG:HD2	0.40	2.16	3	1
1:B:763:LEU:HD23	1:B:763:LEU:C	0.40	2.41	3	1
1:C:795:TYR:CE2	1:C:796:TRP:NE1	0.40	2.90	4	1
1:A:821:ALA:O	1:A:822:VAL:CG2	0.40	2.69	5	1
1:C:807:LEU:HD13	1:C:807:LEU:O	0.40	2.16	9	1
1:A:751:GLY:O	1:A:755:LEU:N	0.40	2.53	10	1
1:A:697:ILE:HD11	1:B:696:ARG:CD	0.40	2.46	13	1
1:A:742:ARG:NH1	1:C:778:VAL:HG12	0.40	2.31	13	1
1:A:820:ILE:HD11	1:A:827:ASP:HB3	0.40	1.91	14	1
1:A:795:TYR:CD1	1:B:753:LEU:O	0.40	2.74	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:756:ILE:HG23	1:A:757:TRP:N	0.40	2.32	3	1
1:B:771:LEU:C	1:B:771:LEU:HD22	0.40	2.42	4	1
1:C:847:ILE:HD13	1:C:847:ILE:N	0.40	2.32	7	1
1:A:702:LEU:O	1:A:705:VAL:CG2	0.40	2.69	11	1
1:B:856:LEU:O	1:B:856:LEU:HD23	0.40	2.17	13	1

6.3 Torsion angles (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	140/180 (78%)	128±2 (91±1%)	7±2 (5±1%)	6±2 (4±1%)	3	28
1	B	143/180 (79%)	129±2 (90±1%)	7±1 (5±1%)	7±2 (5±1%)	3	24
1	C	142/180 (79%)	129±2 (91±2%)	6±2 (4±1%)	7±1 (5±1%)	3	24
All	All	6375/8100 (79%)	5787 (91%)	291 (5%)	297 (5%)	3	25

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

Mol	Chain	Res	Type	Models (Total)
1	B	741	ASP	15
1	C	821	ALA	15
1	B	714	PRO	14
1	B	844	PRO	14
1	C	714	PRO	12
1	A	714	PRO	11
1	A	821	ALA	11
1	A	822	VAL	10
1	B	712	TYR	10
1	C	765	LEU	10
1	C	825	GLY	10
1	C	822	VAL	10
1	C	769	HIS	9
1	A	712	TYR	8

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Mol	Chain	Res	Type	Models (Total)
1	A	768	TYR	8
1	C	711	GLY	8
1	A	741	ASP	7
1	B	768	TYR	7
1	B	843	ILE	7
1	A	767	SER	6
1	B	825	GLY	6
1	B	767	SER	6
1	C	741	ASP	6
1	B	765	LEU	6
1	C	846	ARG	6
1	B	824	GLU	5
1	A	715	LEU	4
1	C	712	TYR	4
1	C	844	PRO	4
1	A	825	GLY	4
1	A	765	LEU	4
1	A	824	GLU	3
1	B	769	HIS	3
1	B	766	PHE	3
1	B	823	GLY	3
1	C	768	TYR	2
1	C	845	ARG	2
1	C	824	GLU	2
1	B	845	ARG	2
1	A	823	GLY	2
1	A	711	GLY	2
1	A	844	PRO	2
1	B	822	VAL	2
1	A	766	PHE	2
1	A	845	ARG	2
1	B	846	ARG	1
1	C	767	SER	1
1	C	823	GLY	1
1	A	769	HIS	1
1	A	846	ARG	1
1	C	842	HIS	1
1	B	842	HIS	1
1	C	766	PHE	1

6.3.2 Protein sidechains (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	125/157 (80%)	91±4 (73±3%)	34±4 (27±3%)	2 21
1	B	127/157 (81%)	98±3 (77±2%)	29±3 (23±2%)	2 28
1	C	126/157 (80%)	98±3 (78±2%)	28±3 (22±2%)	2 29
All	All	5670/7065 (80%)	4306 (76%)	1364 (24%)	2 26

All 304 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	843	ILE	15
1	B	693	ILE	15
1	B	771	LEU	15
1	B	794	LYS	15
1	C	771	LEU	15
1	C	803	TRP	15
1	A	763	LEU	14
1	A	771	LEU	14
1	A	794	LYS	14
1	B	803	TRP	14
1	A	692	LEU	13
1	A	775	LEU	13
1	A	799	LEU	13
1	C	693	ILE	13
1	C	794	LYS	13
1	C	855	LEU	13
1	A	855	LEU	13
1	A	744	ARG	12
1	B	746	ILE	12
1	B	830	ILE	12
1	A	772	ARG	12
1	A	800	LEU	11
1	B	715	LEU	11
1	B	784	LEU	11
1	B	838	ARG	11
1	C	838	ARG	11

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Mol	Chain	Res	Type	Models (Total)
1	C	761	ARG	11
1	A	797	TRP	11
1	A	697	ILE	10
1	A	806	GLU	10
1	B	757	TRP	10
1	B	774	LEU	10
1	C	764	SER	10
1	C	847	ILE	10
1	A	765	LEU	10
1	A	830	ILE	10
1	B	834	GLN	10
1	A	784	LEU	10
1	A	747	ARG	9
1	B	756	ILE	9
1	C	692	LEU	9
1	C	777	ILE	9
1	A	757	TRP	9
1	B	842	HIS	9
1	C	826	THR	9
1	A	795	TYR	9
1	C	697	ILE	9
1	B	692	LEU	9
1	B	713	SER	9
1	C	704	LEU	9
1	B	799	LEU	8
1	C	716	SER	8
1	A	764	SER	8
1	A	761	ARG	8
1	B	790	TRP	8
1	C	807	LEU	8
1	C	753	LEU	8
1	C	800	LEU	8
1	A	793	LEU	7
1	B	691	SER	7
1	B	772	ARG	7
1	B	791	GLU	7
1	B	800	LEU	7
1	B	808	LYS	7
1	C	748	LEU	7
1	C	795	TYR	7
1	C	834	GLN	7
1	A	708	VAL	7

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Mol	Chain	Res	Type	Models (Total)
1	A	773	ASP	7
1	A	805	GLN	7
1	B	765	LEU	7
1	C	715	LEU	7
1	A	706	ASN	7
1	A	709	ARG	6
1	A	802	TYR	6
1	A	803	TRP	6
1	A	814	LEU	6
1	A	841	ARG	6
1	B	742	ARG	6
1	C	744	ARG	6
1	C	758	ASP	6
1	C	774	LEU	6
1	C	781	ILE	6
1	A	693	ILE	6
1	B	712	TYR	6
1	B	739	GLU	6
1	B	847	ILE	6
1	A	715	LEU	6
1	A	748	LEU	6
1	C	709	ARG	6
1	B	747	ARG	6
1	B	760	LEU	6
1	C	773	ASP	6
1	A	756	ILE	6
1	A	822	VAL	5
1	A	824	GLU	5
1	B	755	LEU	5
1	B	768	TYR	5
1	B	780	ARG	5
1	B	848	ARG	5
1	C	760	LEU	5
1	C	765	LEU	5
1	C	772	ARG	5
1	C	775	LEU	5
1	C	788	ARG	5
1	A	695	LEU	5
1	A	746	ILE	5
1	B	764	SER	5
1	C	842	HIS	5
1	B	709	ARG	5

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Mol	Chain	Res	Type	Models (Total)
1	C	790	TRP	5
1	A	707	ARG	5
1	A	752	SER	5
1	A	826	THR	5
1	C	801	GLN	5
1	C	806	GLU	5
1	A	774	LEU	5
1	A	742	ARG	4
1	A	767	SER	4
1	B	704	LEU	4
1	B	741	ASP	4
1	B	851	LEU	4
1	C	708	VAL	4
1	C	752	SER	4
1	C	793	LEU	4
1	A	740	ARG	4
1	A	856	LEU	4
1	B	697	ILE	4
1	B	745	SER	4
1	B	793	LEU	4
1	B	806	GLU	4
1	C	710	GLN	4
1	A	768	TYR	4
1	A	776	LEU	4
1	B	773	ASP	4
1	B	785	LEU	4
1	C	712	TYR	4
1	A	704	LEU	4
1	C	707	ARG	4
1	A	758	ASP	4
1	B	716	SER	4
1	B	814	LEU	4
1	A	838	ARG	4
1	B	826	THR	4
1	B	753	LEU	4
1	A	712	TYR	3
1	A	716	SER	3
1	B	740	ARG	3
1	B	795	TYR	3
1	B	805	GLN	3
1	C	808	LYS	3
1	A	750	ASN	3

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Mol	Chain	Res	Type	Models (Total)
1	A	780	ARG	3
1	A	812	VAL	3
1	C	756	ILE	3
1	C	799	LEU	3
1	C	830	ILE	3
1	A	807	LEU	3
1	A	834	GLN	3
1	B	761	ARG	3
1	B	841	ARG	3
1	C	747	ARG	3
1	C	784	LEU	3
1	A	809	ASN	3
1	B	703	SER	3
1	B	816	ASN	3
1	A	791	GLU	3
1	A	820	ILE	3
1	C	713	SER	3
1	C	740	ARG	3
1	C	849	GLN	3
1	C	755	LEU	3
1	C	852	GLU	3
1	A	781	ILE	3
1	C	703	SER	3
1	B	696	ARG	3
1	B	748	LEU	3
1	A	703	SER	2
1	A	713	SER	2
1	A	741	ASP	2
1	A	743	ASP	2
1	B	710	GLN	2
1	B	809	ASN	2
1	C	810	SER	2
1	C	831	GLU	2
1	A	770	ARG	2
1	B	831	GLU	2
1	C	742	ARG	2
1	C	791	GLU	2
1	C	856	LEU	2
1	A	755	LEU	2
1	A	816	ASN	2
1	A	831	GLU	2
1	B	743	ASP	2

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Mol	Chain	Res	Type	Models (Total)
1	C	746	ILE	2
1	C	816	ASN	2
1	B	707	ARG	2
1	B	849	GLN	2
1	C	691	SER	2
1	C	820	ILE	2
1	A	785	LEU	2
1	B	706	ASN	2
1	C	745	SER	2
1	C	770	ARG	2
1	A	698	VAL	2
1	A	849	GLN	2
1	C	805	GLN	2
1	C	848	ARG	2
1	A	760	LEU	2
1	A	790	TRP	2
1	B	820	ILE	2
1	C	702	LEU	2
1	A	739	GLU	2
1	B	807	LEU	2
1	B	856	LEU	2
1	A	762	SER	2
1	A	783	GLU	2
1	B	702	LEU	2
1	C	779	THR	2
1	B	763	LEU	2
1	A	701	VAL	2
1	A	714	PRO	2
1	C	757	TRP	2
1	C	837	SER	2
1	C	766	PHE	2
1	C	750	ASN	2
1	A	854	ILE	1
1	B	714	PRO	1
1	B	758	ASP	1
1	B	777	ILE	1
1	C	802	TYR	1
1	C	815	LEU	1
1	C	851	LEU	1
1	A	696	ARG	1
1	A	804	SER	1
1	A	810	SER	1

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Mol	Chain	Res	Type	Models (Total)
1	A	847	ILE	1
1	B	767	SER	1
1	B	769	HIS	1
1	B	798	ASN	1
1	B	801	GLN	1
1	C	762	SER	1
1	C	769	HIS	1
1	C	783	GLU	1
1	C	822	VAL	1
1	C	840	ILE	1
1	A	710	GLN	1
1	A	766	PHE	1
1	A	777	ILE	1
1	B	815	LEU	1
1	C	785	LEU	1
1	B	845	ARG	1
1	C	824	GLU	1
1	B	804	SER	1
1	B	853	ARG	1
1	A	798	ASN	1
1	A	845	ARG	1
1	B	837	SER	1
1	C	843	ILE	1
1	C	853	ARG	1
1	A	846	ARG	1
1	C	695	LEU	1
1	C	699	PHE	1
1	C	804	SER	1
1	C	812	VAL	1
1	B	699	PHE	1
1	B	781	ILE	1
1	B	782	VAL	1
1	B	846	ARG	1
1	C	813	SER	1
1	B	775	LEU	1
1	C	696	ARG	1
1	C	759	ASP	1
1	C	798	ASN	1
1	B	766	PHE	1
1	B	770	ARG	1
1	B	779	THR	1
1	B	797	TRP	1

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Mol	Chain	Res	Type	Models (Total)
1	C	698	VAL	1
1	C	787	ARG	1
1	A	699	PHE	1
1	A	705	VAL	1
1	B	762	SER	1
1	A	745	SER	1
1	A	837	SER	1
1	B	744	ARG	1
1	B	852	GLU	1
1	C	741	ASP	1
1	A	753	LEU	1
1	A	848	ARG	1
1	A	851	LEU	1
1	C	739	GLU	1
1	C	763	LEU	1
1	C	767	SER	1
1	C	845	ARG	1
1	A	702	LEU	1
1	A	749	VAL	1
1	A	852	GLU	1
1	B	822	VAL	1
1	A	827	ASP	1
1	B	783	GLU	1
1	B	824	GLU	1
1	B	855	LEU	1
1	C	827	ASP	1

6.3.3 RNA (i)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates (i)

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_TMD-CT_chemical_shifts.tab*

7.1.1 Bookkeeping

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

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

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

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

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

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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 (i)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	157	-0.02 ± 0.06	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	0	—	None (insufficient data)
$^{13}C'$	145	-0.29 ± 0.07	None needed (< 0.5 ppm)
^{15}N	147	0.81 ± 0.13	Should be applied

7.1.3 Completeness of resonance assignments (i)

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

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

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

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

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

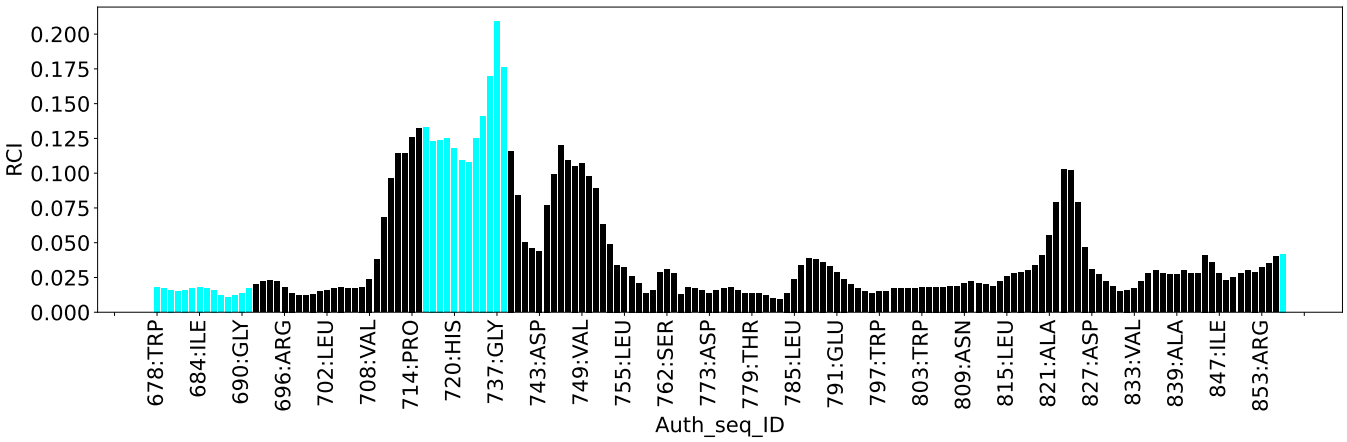
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

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

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

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

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	96.0	0.2
0.2-0.5 (Medium)	132.0	0.5
>0.5 (Large)	153.8	52.15

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

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

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

9 Distance violation analysis (i)

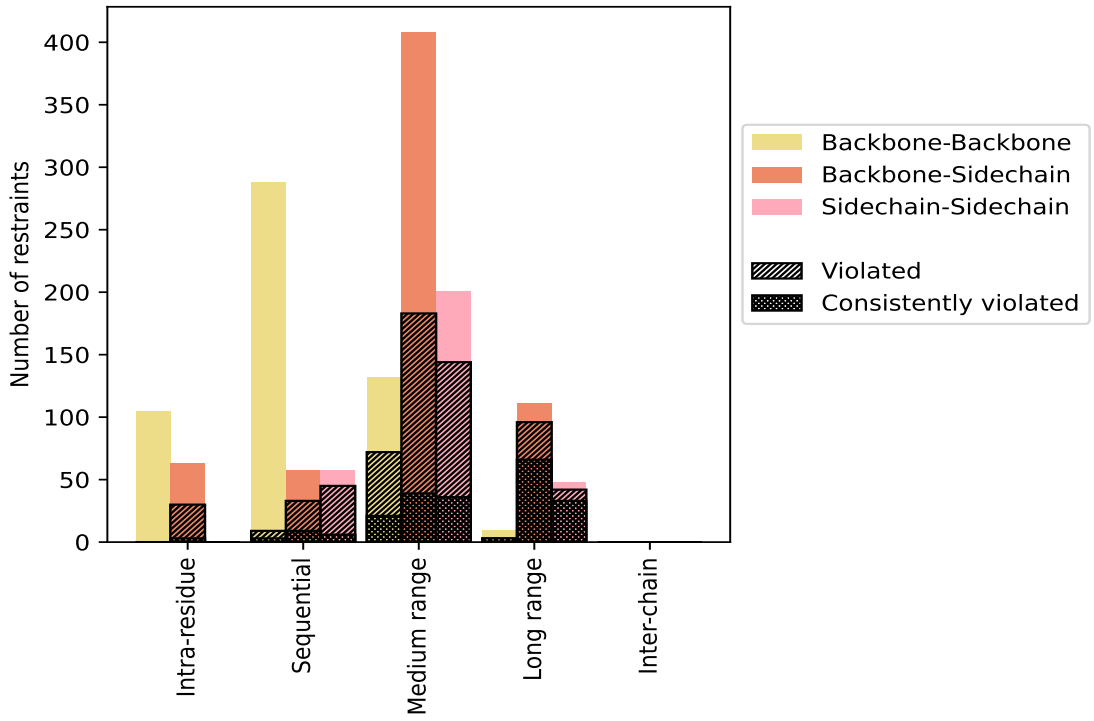
9.1 Summary of distance violations (i)

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

[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	12	45	228	126	0	411	5.98	51.47	11.63	0.31
2	15	51	213	117	0	396	6.15	51.14	11.66	0.38
3	12	51	219	114	0	396	6.19	49.94	11.68	0.34
4	12	45	201	120	0	378	6.36	50.23	11.73	0.33
5	9	45	198	111	0	363	6.66	50.88	11.97	0.39
6	12	45	225	120	0	402	6.01	51.02	11.53	0.33
7	18	39	225	117	0	399	6.1	50.65	11.61	0.37
8	9	42	222	123	0	396	6.23	51.09	11.8	0.36
9	12	45	213	117	0	387	6.19	51.27	11.54	0.35
10	15	42	207	117	0	381	6.46	50.99	11.97	0.39

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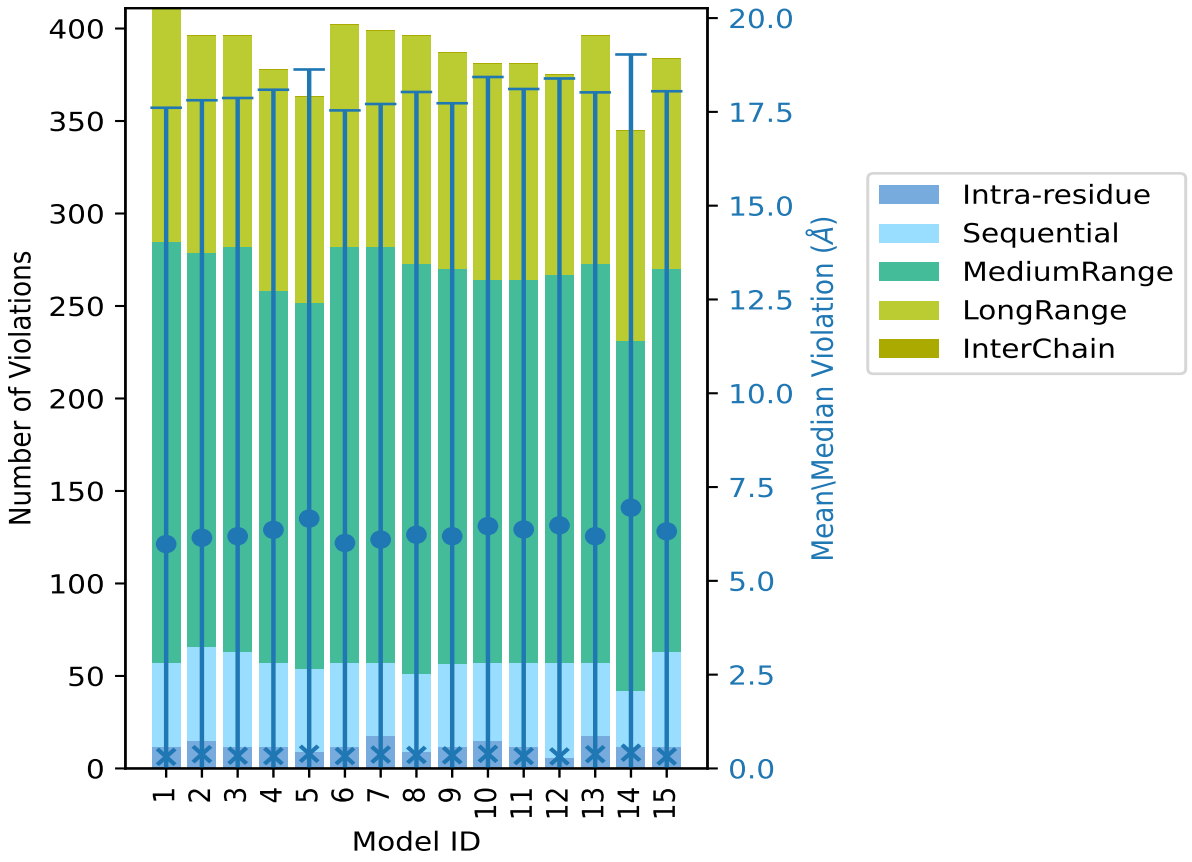
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	12	45	207	117	0	381	6.37	50.43	11.74	0.33
12	6	51	210	108	0	375	6.48	52.15	11.91	0.32
13	18	39	216	123	0	396	6.19	51.87	11.83	0.38
14	12	30	189	114	0	345	6.95	50.85	12.08	0.42
15	12	51	207	114	0	384	6.32	50.33	11.73	0.32

[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

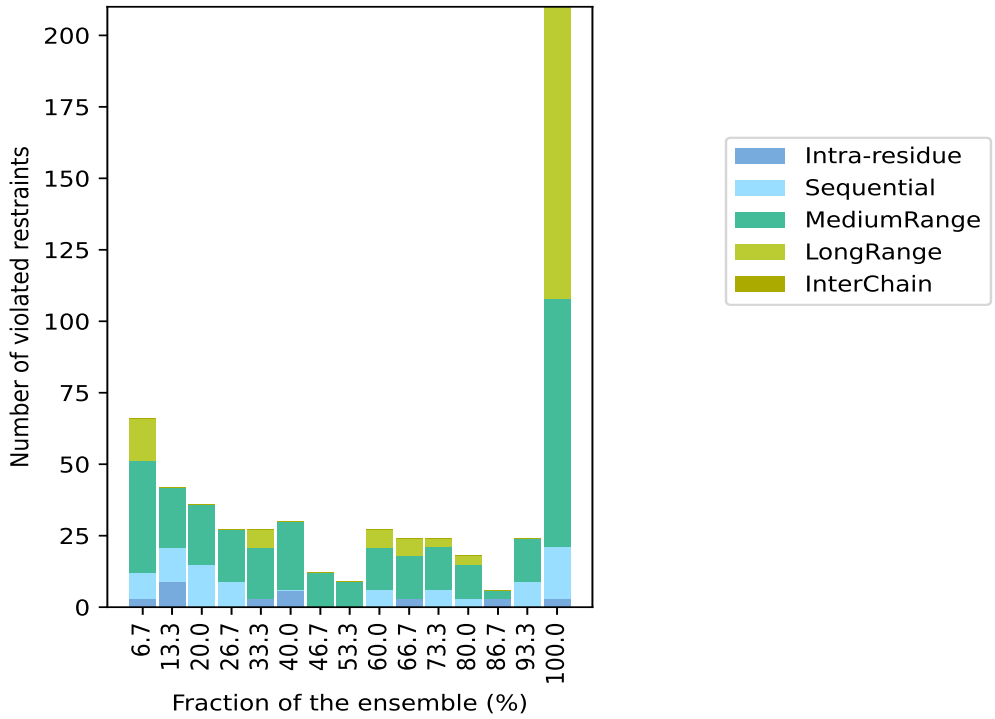
9.3 Distance violation statistics for the ensemble (i)

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, 639(IR:138, SQ:315, MR:159, LR:27, IC:0) restraints are not violated in the ensemble.

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

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

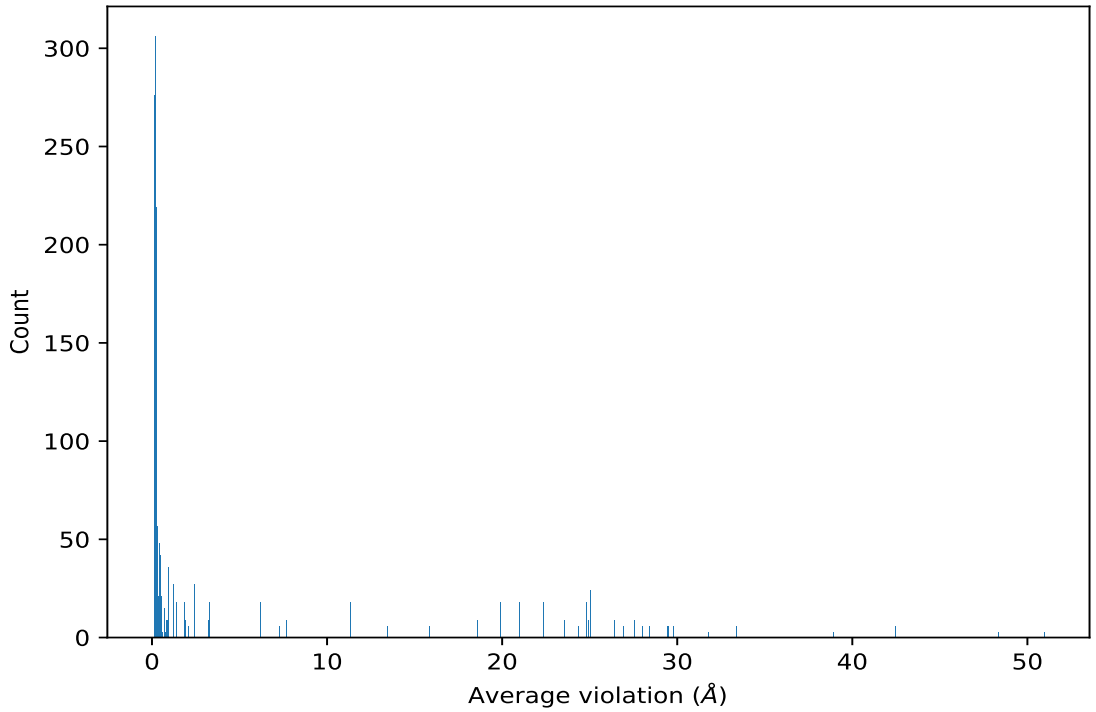
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints (i)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	1.35	0.66	1.46
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	1.35	0.66	1.46
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.52	0.2	0.58
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.52	0.2	0.58
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.52	0.2	0.58
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.25	0.06	0.27
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.25	0.06	0.27
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.25	0.06	0.27
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.21	0.03	0.21
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.21	0.03	0.21
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.21	0.03	0.21
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	12	0.71	0.32	0.7
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	12	0.71	0.32	0.7
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	12	0.71	0.32	0.7
(1,239)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	12	0.71	0.32	0.7
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	12	0.71	0.32	0.7
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	12	0.71	0.32	0.7
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	12	0.71	0.32	0.7
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	12	0.71	0.32	0.7
(1,580)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	12	0.71	0.32	0.7
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	12	0.71	0.32	0.7
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	12	0.71	0.32	0.7
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	12	0.71	0.32	0.7
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	12	0.71	0.32	0.7
(1,921)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	12	0.71	0.32	0.7
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	12	0.71	0.32	0.7
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.4	0.11	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.4	0.11	0.4
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.4	0.11	0.4
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.3	0.07	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.3	0.07	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.3	0.07	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.3	0.07	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.3	0.07	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.3	0.07	0.29
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25	0.04	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25	0.04	0.26
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.23	0.09	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.23	0.09	0.2
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.23	0.09	0.2
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	12	0.2	0.08	0.18
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	12	0.2	0.08	0.18
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	12	0.2	0.08	0.18
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	12	0.18	0.06	0.16
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	12	0.18	0.06	0.16
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	12	0.18	0.06	0.16
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	12	0.18	0.06	0.16
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	12	0.18	0.06	0.16
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	12	0.18	0.06	0.16
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.3	0.08	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.3	0.08	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.3	0.08	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.3	0.08	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.3	0.08	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.3	0.08	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.3	0.08	0.31

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

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.19	0.06	0.19
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.19	0.06	0.19
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.19	0.08	0.17
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.19	0.08	0.17
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	11	0.16	0.04	0.16
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.28	0.07	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.28	0.07	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.28	0.07	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.28	0.07	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.28	0.07	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.28	0.07	0.28
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	10	0.25	0.08	0.28

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	10	0.25	0.08	0.28
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	10	0.25	0.08	0.28
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	10	0.24	0.1	0.22
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	10	0.23	0.09	0.2
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19	0.05	0.18
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19	0.05	0.18
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19	0.05	0.18
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.18	0.07	0.16
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.18	0.07	0.16
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.18	0.07	0.16
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.18	0.07	0.16
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.18	0.07	0.16
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.18	0.07	0.16
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.18	0.06	0.16
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.18	0.06	0.16
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.18	0.06	0.16
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.16	0.04	0.16
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.16	0.04	0.16
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.16	0.04	0.16
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.16	0.04	0.16
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.16	0.04	0.16
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.16	0.04	0.16
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.38	0.15	0.36
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.38	0.15	0.36
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.38	0.15	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.38	0.15	0.36

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

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	9	0.25	0.06	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	9	0.25	0.06	0.25
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	9	0.24	0.08	0.24
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	9	0.24	0.08	0.24
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	9	0.19	0.06	0.18
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	9	0.19	0.06	0.18
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	9	0.19	0.06	0.18
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.17	0.07	0.13
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.17	0.07	0.13
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.17	0.07	0.13
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.17	0.07	0.13
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.17	0.07	0.13
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.17	0.07	0.13
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.15	0.03	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.15	0.03	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.15	0.03	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.15	0.03	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.15	0.03	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.15	0.03	0.14
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	9	0.14	0.03	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	9	0.14	0.03	0.13
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	9	0.14	0.03	0.13
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	8	0.19	0.04	0.2
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	8	0.19	0.04	0.2
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	8	0.19	0.04	0.2
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	8	0.19	0.04	0.2
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.18	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.18	0.05	0.16
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	8	0.18	0.06	0.17
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.23	0.07	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.23	0.07	0.21
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.22	0.07	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.22	0.07	0.21
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.22	0.07	0.21
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	7	0.2	0.09	0.17
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	7	0.13	0.03	0.12
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	7	0.13	0.03	0.12
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	6	0.89	0.05	0.89
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	6	0.89	0.05	0.89
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	6	0.89	0.05	0.89
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	6	0.89	0.05	0.89
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	6	0.89	0.05	0.89
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	6	0.89	0.05	0.89
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	6	0.23	0.07	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	6	0.23	0.07	0.2
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	6	0.22	0.07	0.2
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.21	0.1	0.21
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.21	0.1	0.21
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.21	0.1	0.21
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.2	0.07	0.2
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.2	0.07	0.2
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.19	0.07	0.18
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	6	0.19	0.04	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.19	0.07	0.18
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	6	0.19	0.04	0.21
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.19	0.07	0.18
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16	0.01	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16	0.01	0.16
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16	0.01	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16	0.01	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16	0.01	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16	0.01	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16	0.01	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16	0.01	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16	0.01	0.16
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	6	0.15	0.04	0.16
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	6	0.15	0.04	0.16
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	6	0.15	0.04	0.16
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	6	0.14	0.03	0.14
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	6	0.13	0.03	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	6	0.13	0.03	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	6	0.13	0.03	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	6	0.13	0.03	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	6	0.13	0.03	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	6	0.13	0.03	0.12
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.42	0.13	0.39
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.42	0.13	0.39
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.42	0.13	0.39
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	5	0.22	0.13	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	5	0.22	0.13	0.16
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	5	0.22	0.13	0.16
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.2	0.03	0.19
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.19	0.02	0.18
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.19	0.02	0.18
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.19	0.02	0.18
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.19	0.02	0.18
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.19	0.02	0.18
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.19	0.02	0.18
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	5	0.19	0.06	0.18
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	5	0.19	0.06	0.18
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	5	0.19	0.06	0.18
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	5	0.15	0.06	0.14
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	5	0.15	0.06	0.14
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	5	0.15	0.06	0.14
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	5	0.15	0.06	0.14
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	5	0.15	0.06	0.14
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	5	0.15	0.06	0.14
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	5	0.15	0.03	0.13
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	5	0.15	0.03	0.13
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	5	0.15	0.03	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.14	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.14	0.02	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.14	0.02	0.13
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	5	0.13	0.02	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	5	0.13	0.02	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	5	0.13	0.02	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	5	0.13	0.02	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	5	0.13	0.02	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	5	0.13	0.02	0.12
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	5	0.12	0.01	0.12
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	5	0.12	0.01	0.12
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	5	0.12	0.01	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	5	0.12	0.01	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	5	0.12	0.01	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	5	0.12	0.01	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	5	0.12	0.01	0.11
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.24	0.13	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.24	0.13	0.18
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.24	0.13	0.18
(1,199)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,199)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,881)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	4	0.19	0.07	0.18
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.18	0.08	0.16
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.18	0.08	0.16
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.18	0.08	0.16

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

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.17	0.07	0.14
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.17	0.07	0.14
(1,371)	1:746:C:ILE:H	1:743:C:ASP:HA	4	0.16	0.02	0.16
(1,712)	1:746:C:ILE:H	1:743:C:ASP:HA	4	0.16	0.02	0.16
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	4	0.16	0.02	0.16
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	4	0.14	0.01	0.14
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	4	0.14	0.01	0.14
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	4	0.14	0.01	0.14
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,280)	1:702:C:LEU:H	1:699:C:PHE:HA	4	0.13	0.02	0.13
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	4	0.13	0.01	0.13
(1,542)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,542)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	4	0.13	0.02	0.13
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	4	0.13	0.01	0.13
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.13	0.02	0.13
(1,962)	1:702:C:LEU:H	1:699:C:PHE:HA	4	0.13	0.02	0.13
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	4	0.13	0.01	0.13
(2,9)	1:794:B:LYS:O	1:798:B:ASN:H	4	0.12	0.02	0.12
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	4	0.12	0.01	0.12
(2,95)	1:794:B:LYS:O	1:798:B:ASN:H	4	0.12	0.02	0.12
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	4	0.12	0.01	0.12
(2,181)	1:794:B:LYS:O	1:798:B:ASN:H	4	0.12	0.02	0.12
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	4	0.12	0.01	0.12
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	3	0.31	0.04	0.33
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	3	0.31	0.04	0.33
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	3	0.31	0.04	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	3	0.31	0.04	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	3	0.31	0.04	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	3	0.31	0.04	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	3	0.31	0.04	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	3	0.31	0.04	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	3	0.31	0.04	0.33
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.28	0.06	0.29
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.28	0.06	0.29
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.28	0.06	0.29
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.28	0.06	0.29
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.28	0.06	0.29
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.28	0.06	0.29
(1,426)	1:763:C:LEU:HD11	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,426)	1:763:C:LEU:HD12	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,426)	1:763:C:LEU:HD13	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,767)	1:763:C:LEU:HD11	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,767)	1:763:C:LEU:HD12	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,767)	1:763:C:LEU:HD13	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,1108)	1:763:C:LEU:HD11	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,1108)	1:763:C:LEU:HD12	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,1108)	1:763:C:LEU:HD13	1:764:C:SER:HG	3	0.22	0.09	0.22
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.17	0.06	0.16
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.17	0.06	0.16
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	3	0.17	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	3	0.17	0.05	0.16
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	3	0.17	0.05	0.16
(1,482)	1:781:C:ILE:H	1:778:C:VAL:HA	3	0.16	0.04	0.17
(1,525)	1:797:C:TRP:H	1:796:C:TRP:HD1	3	0.16	0.04	0.17
(1,823)	1:781:C:ILE:H	1:778:C:VAL:HA	3	0.16	0.04	0.17
(1,866)	1:797:C:TRP:H	1:796:C:TRP:HD1	3	0.16	0.04	0.17
(1,1164)	1:781:C:ILE:H	1:778:C:VAL:HA	3	0.16	0.04	0.17
(1,1207)	1:797:C:TRP:H	1:796:C:TRP:HD1	3	0.16	0.04	0.17
(1,236)	1:692:C:LEU:HD11	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,236)	1:692:C:LEU:HD12	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,236)	1:692:C:LEU:HD13	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,577)	1:692:C:LEU:HD11	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,577)	1:692:C:LEU:HD12	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,577)	1:692:C:LEU:HD13	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,918)	1:692:C:LEU:HD11	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,918)	1:692:C:LEU:HD12	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,918)	1:692:C:LEU:HD13	1:689:C:VAL:HA	3	0.15	0.03	0.14
(1,377)	1:746:C:ILE:HD11	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,377)	1:746:C:ILE:HD12	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,377)	1:746:C:ILE:HD13	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,718)	1:746:C:ILE:HD11	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,718)	1:746:C:ILE:HD12	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,718)	1:746:C:ILE:HD13	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,1059)	1:746:C:ILE:HD11	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,1059)	1:746:C:ILE:HD12	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,1059)	1:746:C:ILE:HD13	1:743:C:ASP:HA	3	0.15	0.04	0.13
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG2	3	0.14	0.02	0.16
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG3	3	0.14	0.02	0.16
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG2	3	0.14	0.02	0.16
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG3	3	0.14	0.02	0.16

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

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	2	0.22	0.02	0.22
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	2	0.22	0.02	0.22
(1,413)	1:755:C:LEU:H	1:756:C:ILE:H	2	0.18	0.01	0.18
(1,754)	1:755:C:LEU:H	1:756:C:ILE:H	2	0.18	0.01	0.18
(1,1095)	1:755:C:LEU:H	1:756:C:ILE:H	2	0.18	0.01	0.18
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD11	2	0.18	0.03	0.18
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD12	2	0.18	0.03	0.18
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD13	2	0.18	0.03	0.18
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD11	2	0.18	0.03	0.18
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD12	2	0.18	0.03	0.18
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD13	2	0.18	0.03	0.18
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD11	2	0.18	0.03	0.18
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD12	2	0.18	0.03	0.18
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD13	2	0.18	0.03	0.18
(2,11)	1:795:B:TYR:O	1:799:B:LEU:H	2	0.16	0.01	0.16
(2,97)	1:795:B:TYR:O	1:799:B:LEU:H	2	0.16	0.01	0.16
(2,183)	1:795:B:TYR:O	1:799:B:LEU:H	2	0.16	0.01	0.16
(1,273)	1:700:C:ALA:HB1	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,273)	1:700:C:ALA:HB2	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,273)	1:700:C:ALA:HB3	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,614)	1:700:C:ALA:HB1	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,614)	1:700:C:ALA:HB2	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,614)	1:700:C:ALA:HB3	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,955)	1:700:C:ALA:HB1	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,955)	1:700:C:ALA:HB2	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,955)	1:700:C:ALA:HB3	1:697:C:ILE:HA	2	0.15	0.02	0.15
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	2	0.15	0.03	0.15
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	2	0.15	0.03	0.15
(1,407)	1:754:C:ALA:HB1	1:758:C:ASP:H	2	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,407)	1:754:C:ALA:HB2	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,407)	1:754:C:ALA:HB3	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB1	2	0.14	0.03	0.14
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB2	2	0.14	0.03	0.14
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB3	2	0.14	0.03	0.14
(1,748)	1:754:C:ALA:HB1	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,748)	1:754:C:ALA:HB2	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,748)	1:754:C:ALA:HB3	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB1	2	0.14	0.03	0.14
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB2	2	0.14	0.03	0.14
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB3	2	0.14	0.03	0.14
(1,1089)	1:754:C:ALA:HB1	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,1089)	1:754:C:ALA:HB2	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,1089)	1:754:C:ALA:HB3	1:758:C:ASP:H	2	0.14	0.03	0.14
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB1	2	0.14	0.03	0.14
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB2	2	0.14	0.03	0.14
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB3	2	0.14	0.03	0.14
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.13	0.0	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.13	0.0	0.13
(2,24)	1:801:B:GLN:O	1:805:B:GLN:N	2	0.12	0.01	0.12
(2,110)	1:801:B:GLN:O	1:805:B:GLN:N	2	0.12	0.01	0.12
(2,196)	1:801:B:GLN:O	1:805:B:GLN:N	2	0.12	0.01	0.12
(1,247)	1:695:C:LEU:H	1:691:C:SER:HA	2	0.12	0.02	0.12
(1,588)	1:695:C:LEU:H	1:691:C:SER:HA	2	0.12	0.02	0.12
(1,929)	1:695:C:LEU:H	1:691:C:SER:HA	2	0.12	0.02	0.12
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB2	2	0.12	0.0	0.12

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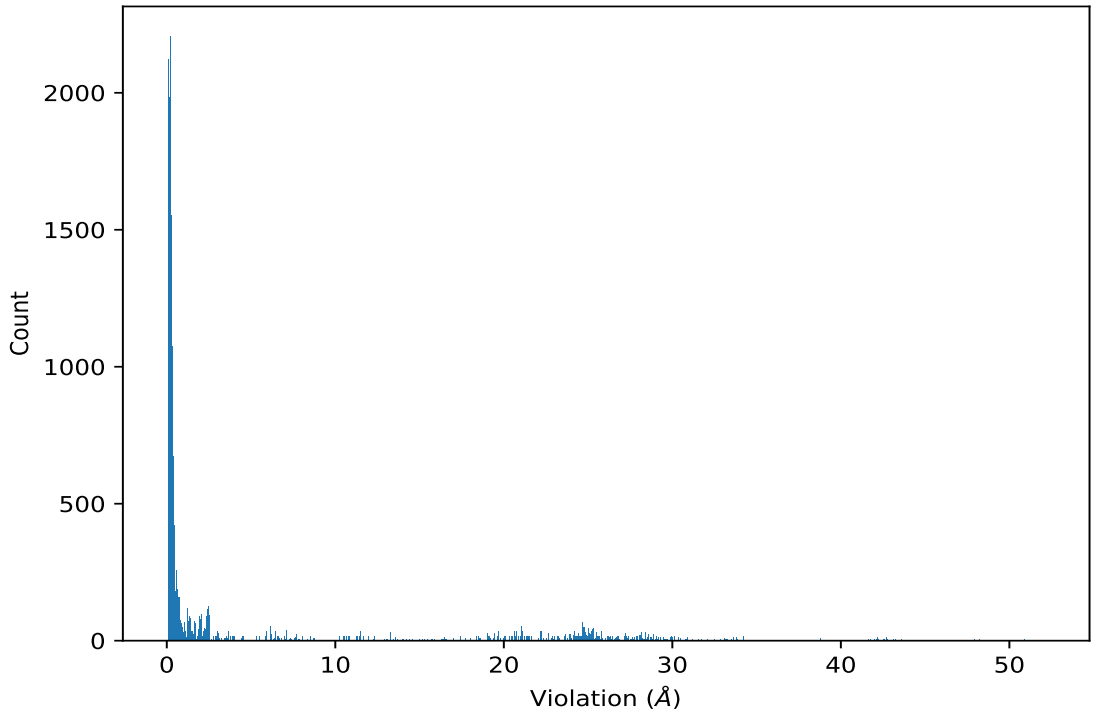
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB3	2	0.12	0.0	0.12
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB2	2	0.12	0.0	0.12
(1,274)	1:700:C:ALA:HB3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

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

9.5 All violated distance restraints (i)

9.5.1 Histogram : Distribution of distance violations (i)

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	12	52.15
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	12	52.15
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	12	52.15
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	13	51.87
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	13	51.87
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	13	51.87
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	1	51.47
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	1	51.47
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	1	51.47
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	9	51.27
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	9	51.27
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	9	51.27
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	2	51.14
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	2	51.14
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	2	51.14
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	8	51.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	8	51.09
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	8	51.09
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	6	51.02
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	6	51.02
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	6	51.02
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	10	50.99
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	10	50.99
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	10	50.99
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	5	50.88
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	5	50.88
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	5	50.88
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	14	50.85
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	14	50.85
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	14	50.85
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	7	50.65
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	7	50.65
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	7	50.65
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	11	50.43
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	11	50.43
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	11	50.43
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	15	50.33
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	15	50.33
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	15	50.33
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	4	50.23
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	4	50.23
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	4	50.23
(1,168)	1:806:C:GLU:H	1:772:C:ARG:HE	3	49.94
(1,167)	1:806:C:GLU:H	1:772:C:ARG:HE	3	49.94
(1,166)	1:806:C:GLU:H	1:772:C:ARG:HE	3	49.94
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	12	49.84
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	12	49.84
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	12	49.84
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	13	49.44
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	13	49.44
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	13	49.44
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	1	48.92
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	1	48.92
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	1	48.92
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	6	48.65
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	6	48.65
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	6	48.65
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	2	48.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	2	48.56
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	2	48.56
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	14	48.41
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	14	48.41
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	14	48.41
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	10	48.33
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	10	48.33
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	10	48.33
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	8	48.22
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	8	48.22
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	8	48.22
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	11	48.21
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	11	48.21
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	11	48.21
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	5	48.03
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	5	48.03
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	5	48.03
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	4	47.97
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	4	47.97
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	4	47.97
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	3	47.94
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	15	47.94
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	3	47.94
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	15	47.94
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	3	47.94
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	15	47.94
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	7	47.86
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	7	47.86
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	7	47.86
(1,165)	1:806:C:GLU:H	1:771:C:LEU:HG	9	47.75
(1,164)	1:806:C:GLU:H	1:771:C:LEU:HG	9	47.75
(1,163)	1:806:C:GLU:H	1:771:C:LEU:HG	9	47.75
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	12	43.57
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	12	43.57
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	12	43.57
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	12	43.57
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	12	43.57
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	12	43.57
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	13	43.24
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	13	43.24
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	13	43.24
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	13	43.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	13	43.24
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	13	43.24
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	1	43.1
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	1	43.1
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	1	43.1
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	1	43.1
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	1	43.1
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	1	43.1
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	3	42.79
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	3	42.79
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	3	42.79
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	3	42.79
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	3	42.79
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	3	42.79
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	15	42.74
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	15	42.74
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	15	42.74
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	15	42.74
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	15	42.74
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	15	42.74
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	6	42.72
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	6	42.72
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	6	42.72
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	6	42.72
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	6	42.72
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	6	42.72
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	7	42.57
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	7	42.57
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	7	42.57
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	7	42.57
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	7	42.57
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	7	42.57
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	11	42.5
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	11	42.5
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	11	42.5
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	11	42.5
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	11	42.5
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	11	42.5
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	8	42.22
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	8	42.22
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	8	42.22
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	8	42.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	8	42.22
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	8	42.22
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	5	42.18
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	5	42.18
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	5	42.18
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	5	42.18
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	5	42.18
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	5	42.18
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	2	42.16
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	2	42.16
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	2	42.16
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	2	42.16
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	2	42.16
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	2	42.16
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	4	42.14
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	4	42.14
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	4	42.14
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	4	42.14
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	4	42.14
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	4	42.14
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	10	41.95
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	10	41.95
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	10	41.95
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	10	41.95
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	10	41.95
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	10	41.95
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	14	41.79
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	14	41.79
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	14	41.79
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	14	41.79
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	14	41.79
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	14	41.79
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB2	9	41.64
(1,126)	1:771:C:LEU:H	1:806:C:GLU:HB3	9	41.64
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB2	9	41.64
(1,125)	1:771:C:LEU:H	1:806:C:GLU:HB3	9	41.64
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB2	9	41.64
(1,124)	1:771:C:LEU:H	1:806:C:GLU:HB3	9	41.64
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	3	40.08
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	3	40.08
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	3	40.08
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	6	40.0

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	6	40.0
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	6	40.0
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	15	39.51
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	15	39.51
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	15	39.51
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	4	39.4
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	4	39.4
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	4	39.4
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	11	39.31
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	11	39.31
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	11	39.31
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	13	39.07
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	13	39.07
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	13	39.07
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	10	38.93
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	10	38.93
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	10	38.93
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	2	38.8
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	2	38.8
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	2	38.8
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	1	38.79
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	5	38.79
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	12	38.79
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	1	38.79
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	5	38.79
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	12	38.79
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	1	38.79
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	5	38.79
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	12	38.79
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	9	38.32
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	9	38.32
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	9	38.32
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	14	38.16
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	14	38.16
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	14	38.16
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	8	38.08
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	8	38.08
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	8	38.08
(1,162)	1:803:C:TRP:HE1	1:764:C:SER:HG	7	37.83
(1,161)	1:803:C:TRP:HE1	1:764:C:SER:HG	7	37.83
(1,160)	1:803:C:TRP:HE1	1:764:C:SER:HG	7	37.83
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	1	34.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	1	34.24
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	1	34.24
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	5	34.22
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	5	34.22
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	5	34.22
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	5	34.22
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	5	34.22
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	5	34.22
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	3	34.21
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	3	34.21
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	3	34.21
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	3	34.21
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	3	34.21
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	3	34.21
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	6	33.88
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	6	33.88
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	6	33.88
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	6	33.88
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	6	33.88
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	6	33.88
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	12	33.84
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	12	33.84
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	15	33.84
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	15	33.84
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	12	33.84
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	12	33.84
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	15	33.84
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	15	33.84
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	12	33.84
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	12	33.84
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	15	33.84
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	15	33.84
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	4	33.63
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	4	33.63
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	4	33.63
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	4	33.63
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	4	33.63
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	4	33.63
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	11	33.62
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	11	33.62
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	11	33.62
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	11	33.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	11	33.62
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	11	33.62
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	1	33.5
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	1	33.5
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	1	33.5
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	1	33.5
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	1	33.5
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	1	33.5
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	2	33.28
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	2	33.28
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	2	33.28
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	2	33.28
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	2	33.28
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	2	33.28
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	7	33.2
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	7	33.2
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	7	33.2
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	7	33.2
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	7	33.2
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	7	33.2
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	10	33.16
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	10	33.16
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	10	33.16
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	10	33.16
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	10	33.16
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	10	33.16
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	14	33.06
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	14	33.06
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	14	33.06
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	14	33.06
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	14	33.06
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	14	33.06
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	10	33.06
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	10	33.06
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	10	33.06
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	13	32.91
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	13	32.91
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	13	32.91
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	13	32.85
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	13	32.85
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	13	32.85
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	13	32.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	13	32.85
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	13	32.85
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	8	32.47
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	8	32.47
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	8	32.47
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	8	32.47
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	8	32.47
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	8	32.47
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	8	32.42
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	8	32.42
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	8	32.42
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	2	32.3
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	2	32.3
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	2	32.3
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB2	9	32.05
(1,159)	1:803:C:TRP:HE1	1:764:C:SER:HB3	9	32.05
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB2	9	32.05
(1,158)	1:803:C:TRP:HE1	1:764:C:SER:HB3	9	32.05
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB2	9	32.05
(1,157)	1:803:C:TRP:HE1	1:764:C:SER:HB3	9	32.05
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	3	31.73
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	3	31.73
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	3	31.73
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	11	31.7
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	11	31.7
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	11	31.7
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	6	31.58
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	6	31.58
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	6	31.58
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	10	31.51
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	10	31.51
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	10	31.51
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	10	31.51
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	10	31.51
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	10	31.51
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	7	31.42
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	7	31.42
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	7	31.42
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	8	31.2
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	8	31.2
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	8	31.2
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	8	31.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	8	31.2
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	8	31.2
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	12	31.17
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	12	31.17
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	12	31.17
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	5	31.13
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	5	31.13
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	5	31.13
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	14	30.98
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	14	30.98
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	14	30.98
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	2	30.92
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	2	30.92
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	2	30.92
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	2	30.92
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	2	30.92
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	2	30.92
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	13	30.9
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	13	30.9
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	13	30.9
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	13	30.9
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	13	30.9
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	13	30.9
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	15	30.85
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	15	30.85
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	15	30.85
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	10	30.82
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	10	30.82
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	10	30.82
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	10	30.82
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	10	30.82
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	10	30.82
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	1	30.77
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	1	30.77
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	1	30.77
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	1	30.77
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	1	30.77
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	1	30.77
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	9	30.74
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	9	30.74
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	9	30.74
(1,120)	1:756:C:ILE:H	1:796:C:TRP:HE1	4	30.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,119)	1:756:C:ILE:H	1:796:C:TRP:HE1	4	30.49
(1,118)	1:756:C:ILE:H	1:796:C:TRP:HE1	4	30.49
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	8	30.47
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	8	30.47
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	8	30.47
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	8	30.47
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	8	30.47
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	8	30.47
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	8	30.39
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	8	30.39
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	8	30.39
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	8	30.39
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	8	30.39
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	8	30.39
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	10	30.36
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	10	30.36
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	10	30.36
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	10	30.36
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	10	30.36
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	10	30.36
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	3	30.11
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	3	30.11
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	3	30.11
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	3	30.11
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	3	30.11
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	3	30.11
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	7	30.1
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	7	30.1
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	7	30.1
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	7	30.1
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	7	30.1
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	7	30.1
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	13	30.1
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	13	30.1
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	13	30.1
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	13	30.1
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	13	30.1
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	13	30.1
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	3	30.04
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	3	30.04
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	3	30.04
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	3	30.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	3	30.04
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	3	30.04
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	5	30.02
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	5	30.02
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	5	30.02
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	5	30.02
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	5	30.02
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	5	30.02
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	7	29.99
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	7	29.99
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	14	29.99
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	14	29.99
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	7	29.99
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	7	29.99
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	14	29.99
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	14	29.99
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	7	29.99
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	7	29.99
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	14	29.99
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	14	29.99
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	13	29.97
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	13	29.97
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	13	29.97
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	13	29.97
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	13	29.97
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	13	29.97
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	2	29.91
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	2	29.91
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	2	29.91
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	2	29.91
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	2	29.91
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	2	29.91
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	5	29.87
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	5	29.87
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	5	29.87
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	5	29.87
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	5	29.87
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	5	29.87
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	3	29.85
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	3	29.85
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	3	29.85
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	3	29.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	3	29.85
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	3	29.85
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	14	29.72
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	14	29.72
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	14	29.72
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	14	29.72
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	14	29.72
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	14	29.72
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	7	29.65
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	7	29.65
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	7	29.65
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	7	29.65
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	7	29.65
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	7	29.65
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	2	29.63
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	2	29.63
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	2	29.63
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	2	29.63
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	2	29.63
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	2	29.63
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	1	29.55
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	1	29.55
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	1	29.55
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	1	29.55
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	1	29.55
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	1	29.55
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	13	29.5
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	13	29.5
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	13	29.5
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	13	29.5
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	13	29.5
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	13	29.5
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	12	29.49
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	12	29.49
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	12	29.49
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	12	29.49
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	12	29.49
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	12	29.49
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	12	29.47
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	12	29.47
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	12	29.47
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	12	29.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	12	29.47
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	12	29.47
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	6	29.26
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	6	29.26
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	6	29.26
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	6	29.26
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	6	29.26
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	6	29.26
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	11	29.25
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	11	29.25
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	11	29.25
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	11	29.25
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	11	29.25
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	11	29.25
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	8	29.16
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	8	29.16
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	8	29.16
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	8	29.16
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	8	29.16
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	8	29.16
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	9	29.15
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	9	29.15
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	9	29.15
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	9	29.15
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	9	29.15
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	9	29.15
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	15	29.13
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	15	29.13
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	15	29.13
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	15	29.13
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	15	29.13
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	15	29.13
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	1	29.09
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	1	29.09
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	1	29.09
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	1	29.09
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	1	29.09
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	1	29.09
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	6	29.08
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	6	29.08
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	6	29.08
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	6	29.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	6	29.08
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	6	29.08
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	15	29.05
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	15	29.05
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	15	29.05
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	15	29.05
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	15	29.05
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	15	29.05
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	15	29.01
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	15	29.01
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	15	29.01
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	15	29.01
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	15	29.01
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	15	29.01
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	4	28.97
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	4	28.97
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	4	28.97
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	4	28.97
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	4	28.97
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	4	28.97
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	11	28.88
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	11	28.88
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	11	28.88
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	11	28.88
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	11	28.88
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	11	28.88
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	14	28.87
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	14	28.87
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	14	28.87
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	14	28.87
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	14	28.87
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	14	28.87
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	1	28.85
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	1	28.85
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	1	28.85
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	1	28.85
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	1	28.85
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	1	28.85
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	10	28.85
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	10	28.85
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	10	28.85
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	10	28.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	10	28.85
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	10	28.85
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	6	28.8
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	6	28.8
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	6	28.8
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	6	28.8
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	6	28.8
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	6	28.8
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	11	28.78
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	11	28.78
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	11	28.78
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	11	28.78
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	11	28.78
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	11	28.78
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	6	28.75
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	6	28.75
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	6	28.75
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	6	28.75
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	6	28.75
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	6	28.75
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	9	28.74
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	9	28.74
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	9	28.74
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	9	28.74
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	9	28.74
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	9	28.74
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	15	28.74
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	15	28.74
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	15	28.74
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	15	28.74
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	15	28.74
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	15	28.74
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	4	28.69
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	4	28.69
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	4	28.69
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	4	28.69
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	4	28.69
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	4	28.69
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	5	28.69
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	5	28.69
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	5	28.69
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	5	28.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	5	28.69
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	5	28.69
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	2	28.59
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	2	28.59
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	2	28.59
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	2	28.59
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	2	28.59
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	2	28.59
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	1	28.58
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	1	28.58
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	1	28.58
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	1	28.58
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	1	28.58
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	1	28.58
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	3	28.55
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	3	28.55
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	11	28.55
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	11	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	3	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	3	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	11	28.55
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	11	28.55
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	3	28.55
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	3	28.55
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	11	28.55
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	11	28.55
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	5	28.51
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	5	28.51
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	5	28.51
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	5	28.51
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	5	28.51
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	5	28.51
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	10	28.51
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	10	28.51
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	10	28.51
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	10	28.51
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	10	28.51
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	10	28.51
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	1	28.45
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	1	28.45
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	1	28.45
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	1	28.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	1	28.45
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	1	28.45
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	8	28.43
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	8	28.43
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	8	28.43
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	8	28.43
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	8	28.43
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	8	28.43
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	8	28.43
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	8	28.43
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	8	28.43
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	10	28.43
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	10	28.43
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	10	28.43
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	10	28.43
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	10	28.43
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	10	28.43
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	10	28.43
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	10	28.43
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	10	28.43
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB2	4	28.42
(1,138)	1:792:C:ALA:H	1:752:C:SER:HB3	4	28.42
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB2	4	28.42
(1,137)	1:792:C:ALA:H	1:752:C:SER:HB3	4	28.42
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB2	4	28.42
(1,136)	1:792:C:ALA:H	1:752:C:SER:HB3	4	28.42
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	9	28.4
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	9	28.4
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	9	28.4
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	9	28.4
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	9	28.4
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	9	28.4
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG12	12	28.39
(1,129)	1:781:C:ILE:H	1:746:C:ILE:HG13	12	28.39
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG12	12	28.39
(1,128)	1:781:C:ILE:H	1:746:C:ILE:HG13	12	28.39
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG12	12	28.39
(1,127)	1:781:C:ILE:H	1:746:C:ILE:HG13	12	28.39
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	2	28.34
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	2	28.34
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	2	28.34
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	2	28.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	2	28.34
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	2	28.34
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	9	28.26
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	9	28.26
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	9	28.26
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	9	28.26
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	9	28.26
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	9	28.26
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	3	28.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	3	28.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	3	28.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	3	28.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	3	28.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	3	28.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	3	28.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	3	28.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	3	28.23
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	7	28.19
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	7	28.19
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	7	28.19
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	7	28.19
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	7	28.19
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	7	28.19
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	7	28.19
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	7	28.19
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	7	28.19
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	8	28.17
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	8	28.17
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	8	28.17
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	8	28.17
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	8	28.17
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	8	28.17
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	8	28.17
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	8	28.17
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	8	28.17
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	13	28.16
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	13	28.16
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	13	28.16
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	13	28.16
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	13	28.16
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	13	28.16
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	12	28.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	12	28.16
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	12	28.16
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	12	28.16
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	12	28.16
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	12	28.16
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG12	12	28.14
(1,132)	1:782:C:VAL:H	1:746:C:ILE:HG13	12	28.14
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG12	12	28.14
(1,131)	1:782:C:VAL:H	1:746:C:ILE:HG13	12	28.14
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG12	12	28.14
(1,130)	1:782:C:VAL:H	1:746:C:ILE:HG13	12	28.14
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	3	28.12
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	3	28.12
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	3	28.12
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	3	28.12
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	3	28.12
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	3	28.12
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	2	28.11
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	2	28.11
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	2	28.11
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	2	28.11
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	2	28.11
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	2	28.11
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	2	28.11
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	2	28.11
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	2	28.11
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	8	28.08
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	8	28.08
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	8	28.08
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	8	28.08
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	8	28.08
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	8	28.08
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	7	28.07
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	7	28.07
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	7	28.07
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	7	28.07
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	7	28.07
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	7	28.07
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	7	28.07
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	7	28.07
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	7	28.07
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	13	28.06

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	13	27.89
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	13	27.89
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	6	27.72
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	6	27.72
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	6	27.72
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	6	27.72
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	6	27.72
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	6	27.72
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	11	27.71
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	11	27.71
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	11	27.71
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	11	27.71
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	11	27.71
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	11	27.71
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD2	14	27.66
(1,123)	1:756:C:ILE:H	1:794:C:LYS:HD3	14	27.66
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD2	14	27.66
(1,122)	1:756:C:ILE:H	1:794:C:LYS:HD3	14	27.66
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD2	14	27.66
(1,121)	1:756:C:ILE:H	1:794:C:LYS:HD3	14	27.66
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	10	27.62
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	10	27.62
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	10	27.62
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	10	27.62
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	10	27.62
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	10	27.62
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	7	27.62
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	7	27.62
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	7	27.62
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	7	27.62
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	7	27.62
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	7	27.62
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	15	27.57
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	15	27.57
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	15	27.57
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	15	27.57
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	15	27.57
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	15	27.57
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	9	27.54
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	9	27.54
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	9	27.54
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	9	27.54

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	27.29
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	27.29
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	27.29
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	27.29
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	27.29
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	2	27.23
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	2	27.23
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	2	27.23
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	2	27.23
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	2	27.23
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	2	27.23
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	4	27.23
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	4	27.23
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	4	27.23
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	4	27.23
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	4	27.23
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	4	27.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	1	27.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	1	27.23
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	1	27.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	1	27.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	1	27.23
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	1	27.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	1	27.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	1	27.23
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	1	27.23
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	3	27.21
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	3	27.21
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	3	27.21
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	3	27.21
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	3	27.21
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	3	27.21
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	4	27.19
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	4	27.19
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	4	27.19
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	4	27.19
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	4	27.19
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	4	27.19
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	4	27.19
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	4	27.19
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	4	27.19
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	11	27.15

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	9	26.71
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	9	26.71
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	12	26.66
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	12	26.66
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	12	26.66
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	12	26.66
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	12	26.66
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	12	26.66
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB2	14	26.65
(1,114)	1:756:C:ILE:H	1:795:C:TYR:HB3	14	26.65
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB2	14	26.65
(1,113)	1:756:C:ILE:H	1:795:C:TYR:HB3	14	26.65
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB2	14	26.65
(1,112)	1:756:C:ILE:H	1:795:C:TYR:HB3	14	26.65
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG21	12	26.64
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG22	12	26.64
(1,96)	1:781:C:ILE:H	1:746:C:ILE:HG23	12	26.64
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG21	12	26.64
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG22	12	26.64
(1,95)	1:781:C:ILE:H	1:746:C:ILE:HG23	12	26.64
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG21	12	26.64
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG22	12	26.64
(1,94)	1:781:C:ILE:H	1:746:C:ILE:HG23	12	26.64
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	15	26.57
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	15	26.57
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	15	26.57
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	15	26.57
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	15	26.57
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	15	26.57
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	6	26.45
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	6	26.45
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	6	26.45
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	6	26.45
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	6	26.45
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	6	26.45
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	10	26.45
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	10	26.45
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	10	26.45
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	10	26.45
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	10	26.45
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	10	26.45
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	10	26.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	10	26.45
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	10	26.45
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	13	26.44
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	13	26.44
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	13	26.44
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	13	26.44
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	13	26.44
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	13	26.44
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	13	26.44
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	13	26.44
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	13	26.44
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	9	26.39
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	9	26.39
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	9	26.39
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	9	26.39
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	9	26.39
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	9	26.39
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	5	26.31
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	5	26.31
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	5	26.31
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	5	26.31
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	5	26.31
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	5	26.31
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	14	26.3
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	14	26.3
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	14	26.3
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	14	26.3
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	14	26.3
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	14	26.3
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	14	26.3
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	14	26.3
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	14	26.3
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	7	26.29
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	7	26.29
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	7	26.29
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	7	26.29
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	7	26.29
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	7	26.29
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	8	26.28
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	8	26.28
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	8	26.28
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	8	26.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	8	26.28
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	8	26.28
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	5	26.23
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	5	26.23
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	5	26.23
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	5	26.23
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	5	26.23
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	5	26.23
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	5	26.23
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	5	26.23
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	5	26.23
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	14	26.22
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	14	26.22
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	14	26.22
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	14	26.22
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	14	26.22
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	14	26.22
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD1	4	26.19
(1,117)	1:756:C:ILE:H	1:795:C:TYR:HD2	4	26.19
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD1	4	26.19
(1,116)	1:756:C:ILE:H	1:795:C:TYR:HD2	4	26.19
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD1	4	26.19
(1,115)	1:756:C:ILE:H	1:795:C:TYR:HD2	4	26.19
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	11	26.17
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	11	26.17
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	11	26.17
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	11	26.17
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	11	26.17
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	11	26.17
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	11	26.17
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	11	26.17
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	11	26.17
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	2	26.02
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	2	26.02
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	2	26.02
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	2	26.02
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	2	26.02
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	2	26.02
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	2	26.02
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	2	26.02
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	2	26.02
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	1	25.85

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	12	25.47
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	12	25.47
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	12	25.47
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	12	25.47
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	12	25.47
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	13	25.47
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	13	25.47
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	13	25.47
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	13	25.47
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	13	25.47
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	13	25.47
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	1	25.45
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	1	25.45
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	1	25.45
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	1	25.45
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	1	25.45
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	1	25.45
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	1	25.41
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	1	25.41
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	1	25.41
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	1	25.41
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	1	25.41
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	1	25.41
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	1	25.41
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	1	25.41
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	1	25.41
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	5	25.39
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	5	25.39
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	5	25.39
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	5	25.39
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	5	25.39
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	5	25.39
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	8	25.34
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	8	25.34
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	8	25.34
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	8	25.34
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	8	25.34
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	8	25.34
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	8	25.34
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	8	25.34
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	8	25.34
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	25.32

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	4	25.27
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	4	25.27
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	4	25.27
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	4	25.27
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	4	25.27
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	4	25.27
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	4	25.27
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	4	25.27
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	4	25.27
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	4	25.27
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	4	25.27
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	7	25.25
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	7	25.25
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	7	25.25
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	7	25.25
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	7	25.25
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	7	25.25
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	7	25.25
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	7	25.25
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	7	25.25
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	7	25.25
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	7	25.25
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	7	25.25
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	7	25.25
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	7	25.25
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	7	25.25
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	7	25.25
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	7	25.25
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	7	25.25
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	25.25
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	25.25
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	25.25
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	25.25
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	25.25
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	25.25
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	12	25.24
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	12	25.24
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	12	25.24
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	12	25.24
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	12	25.24
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	12	25.24
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	12	25.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	12	25.23
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	12	25.23
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	12	25.23
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	12	25.23
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	12	25.23
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	12	25.23
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	12	25.23
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	11	25.2
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	11	25.2
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	11	25.2
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	11	25.2
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	11	25.2
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	11	25.2
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	11	25.2
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	11	25.2
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	11	25.2
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	9	25.16
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	9	25.16
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	9	25.16
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	9	25.16
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	9	25.16
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	9	25.16
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	9	25.16
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	9	25.16
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	9	25.16
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	6	25.15
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	6	25.15
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	6	25.15
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	6	25.15
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	6	25.15
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	6	25.15
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	6	25.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	6	25.15
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	6	25.15
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	6	25.15
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	6	25.15
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	6	25.15
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	6	25.15
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	6	25.15
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	6	25.15
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	6	25.15
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	6	25.15
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	6	25.15
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	6	25.12
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	6	25.12
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	6	25.12
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	6	25.12
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	6	25.12
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	6	25.12
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	8	25.11
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	8	25.11
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	8	25.11
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	8	25.11
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	8	25.11
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	8	25.11
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	8	25.11
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	8	25.11
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	8	25.11
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	8	25.11
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	8	25.11
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	8	25.11
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	8	25.11
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	8	25.11
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	8	25.11
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	8	25.11
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	8	25.11
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	8	25.11
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	2	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	2	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	2	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	2	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	2	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	2	25.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	2	25.05
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	2	25.05
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	2	25.05
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	7	25.05
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	7	25.05
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	7	25.05
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	7	25.05
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	7	25.05
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	7	25.05
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	7	25.05
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	7	25.05
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	7	25.05
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	7	25.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	7	25.04
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	7	25.04
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	7	25.04
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	12	25.03
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	12	25.03
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	12	25.03
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	12	25.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	12	25.03
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	12	25.03
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	12	25.03
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	12	25.03
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	12	25.03
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	3	25.0
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	3	25.0
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	3	25.0
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	3	25.0
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	4	24.98
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	4	24.98
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	4	24.98
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	4	24.98
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	4	24.98
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	4	24.98
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	1	24.97
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	1	24.97
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	14	24.97
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	14	24.97
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	1	24.97
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	1	24.97
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	14	24.97
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	14	24.97
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	1	24.97
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	1	24.97
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	14	24.97
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	14	24.97
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	9	24.93

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	9	24.93
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	9	24.93
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	9	24.93
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	9	24.93
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	9	24.93
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	9	24.93
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	9	24.93
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	9	24.93
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	6	24.93
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	6	24.93
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	6	24.93
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	6	24.93
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	6	24.93
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	6	24.93
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	10	24.9
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	10	24.9
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	10	24.9
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	10	24.9
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	10	24.9
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	10	24.9
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	2	24.88
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	2	24.88
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	2	24.88
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	2	24.88
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	2	24.88
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	2	24.88
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	2	24.88
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	2	24.88
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	2	24.88
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	2	24.88
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	2	24.88
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	2	24.88
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	2	24.88
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	2	24.88
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	2	24.88
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	2	24.88
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	2	24.88
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	2	24.88
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	11	24.88
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	11	24.88
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	11	24.88
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	11	24.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	11	24.88
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	11	24.88
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	4	24.86
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	4	24.86
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	4	24.86
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	4	24.86
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	4	24.86
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	4	24.86
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	13	24.84
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	13	24.84
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	13	24.84
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	13	24.84
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	13	24.84
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	13	24.84
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	13	24.84
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	13	24.84
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	13	24.84
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	13	24.84
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	13	24.84
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	13	24.84
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	13	24.84
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	13	24.84
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	13	24.84
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	13	24.84
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	13	24.84
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	13	24.84
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	5	24.82
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	5	24.82
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	5	24.82
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	5	24.82
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	5	24.82
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	5	24.82
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	5	24.82
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	5	24.82
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	5	24.82
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	2	24.78
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	2	24.78
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	2	24.78
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	2	24.78
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	2	24.78
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	2	24.78
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	6	24.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	6	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	6	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	6	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	6	24.77
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	6	24.77
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	6	24.77
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	6	24.77
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	12	24.76
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	12	24.76
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	12	24.76
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	12	24.76
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	12	24.76
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	12	24.76
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	12	24.76
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	12	24.76
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	12	24.76
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	11	24.76
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	11	24.76
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	11	24.76
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	11	24.76
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	11	24.76
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	11	24.76
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	11	24.76
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	11	24.76
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	11	24.76
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	11	24.76
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	11	24.76
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	11	24.76
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	11	24.76
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	11	24.76
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	11	24.76
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	11	24.76

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	3	24.7
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	3	24.7
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	3	24.7
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	3	24.7
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	3	24.7
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	3	24.7
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	3	24.7
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	3	24.7
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	3	24.7
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	3	24.7
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	3	24.7
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	1	24.69
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	1	24.69
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	1	24.69
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	1	24.69
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	1	24.69
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	1	24.69
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	1	24.69
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	1	24.69
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	1	24.69
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	1	24.69
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	1	24.69
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	1	24.69
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	1	24.69
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	1	24.69
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	1	24.69
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	1	24.69
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	1	24.69
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	1	24.69
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	10	24.68
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	10	24.68
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	10	24.68
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	10	24.68
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	10	24.68
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	10	24.68
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	10	24.68
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	10	24.68
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	10	24.68
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	9	24.68
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	9	24.68
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	9	24.68
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	9	24.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	9	24.68
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	9	24.68
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	9	24.68
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	9	24.68
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	9	24.68
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	9	24.68
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	9	24.68
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	9	24.68
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	9	24.68
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	9	24.68
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	9	24.68
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	9	24.68
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	9	24.68
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	9	24.68
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	10	24.68
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	10	24.68
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	10	24.68
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	10	24.68
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	10	24.68
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	10	24.68
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	8	24.67
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	8	24.67
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	8	24.67
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	8	24.67
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	8	24.67
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	8	24.67
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	8	24.67
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	8	24.67
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	8	24.67
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	8	24.67
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	8	24.67
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	8	24.67
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	8	24.67
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	8	24.67
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	8	24.67
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	8	24.67
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	8	24.67
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	8	24.67
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	15	24.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	15	24.64
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	15	24.64
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	15	24.64
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	9	24.57
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	9	24.57
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	9	24.57
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	9	24.57
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	9	24.48
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	9	24.48
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	9	24.48
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	9	24.48
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	9	24.48
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	9	24.48
(1,99)	1:781:C:ILE:HD11	1:743:C:ASP:HA	6	24.45
(1,99)	1:781:C:ILE:HD12	1:743:C:ASP:HA	6	24.45
(1,99)	1:781:C:ILE:HD13	1:743:C:ASP:HA	6	24.45
(1,98)	1:781:C:ILE:HD11	1:743:C:ASP:HA	6	24.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,98)	1:781:C:ILE:HD12	1:743:C:ASP:HA	6	24.45
(1,98)	1:781:C:ILE:HD13	1:743:C:ASP:HA	6	24.45
(1,97)	1:781:C:ILE:HD11	1:743:C:ASP:HA	6	24.45
(1,97)	1:781:C:ILE:HD12	1:743:C:ASP:HA	6	24.45
(1,97)	1:781:C:ILE:HD13	1:743:C:ASP:HA	6	24.45
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	11	24.43
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	11	24.43
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	11	24.43
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	11	24.43
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	24.43
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	24.43
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	24.43
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	24.43
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	24.43
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	24.43
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	24.43
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	24.43
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	24.43
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	14	24.39
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	14	24.39
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	14	24.39
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	14	24.39
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	14	24.39
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	14	24.39
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	14	24.39
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	14	24.39
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	14	24.39
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	13	24.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	13	24.37
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	13	24.37
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	13	24.37
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	13	24.37
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	13	24.37
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	13	24.37
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	13	24.37
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	13	24.37
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	2	24.33
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	2	24.33
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	2	24.33
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	2	24.33
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	2	24.33
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	2	24.33
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	2	24.33
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	2	24.33
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	2	24.33
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	7	24.32
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	7	24.32
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	7	24.32
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	7	24.32
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	7	24.32
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	7	24.32
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	10	24.25
(1,93)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	10	24.25
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	10	24.25
(1,93)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	10	24.25
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	10	24.25
(1,93)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	10	24.25
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	10	24.25
(1,92)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	10	24.25
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	10	24.25
(1,92)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	10	24.25
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	10	24.25
(1,92)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	10	24.25
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	10	24.25
(1,91)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	10	24.25
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	10	24.25
(1,91)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	10	24.25
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	10	24.25
(1,91)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	10	24.25
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	8	24.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	8	24.2
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	8	24.2
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	8	24.2
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	8	24.2
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	8	24.2
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	12	24.19
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	12	24.19
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	12	24.19
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	12	24.19
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	12	24.19
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	12	24.19
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	4	24.17
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	4	24.17
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	4	24.17
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	4	24.17
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	3	24.15
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	3	24.15
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	9	24.15
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	9	24.15
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	3	24.15
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	3	24.15
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	9	24.15
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	9	24.15
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	3	24.15
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	3	24.15
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	9	24.15
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	9	24.15
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	5	24.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	5	24.14
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	5	24.14
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	5	24.14
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	5	24.14
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	5	24.14
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	15	24.12
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	15	24.12
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	15	24.12
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	15	24.12
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	15	24.12
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	15	24.12
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	4	24.1
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	4	24.1
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	4	24.1
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	4	24.1
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	4	24.1
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	4	24.1
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	4	24.1
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	4	24.1
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	4	24.1
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	8	24.04
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	8	24.04
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	8	24.04
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	8	24.04
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	8	24.04
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	8	24.04
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	8	24.04
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	8	24.04
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	8	24.04
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	5	23.99
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	5	23.99
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	5	23.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	5	23.99
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	5	23.99
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	3	23.98
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	3	23.98
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	3	23.98
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	3	23.98
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	3	23.98
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	3	23.98
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	13	23.89
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB3	13	23.89
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB2	13	23.89
(1,77)	1:754:C:ALA:H	1:716:C:SER:HB3	13	23.89
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB2	13	23.89
(1,76)	1:754:C:ALA:H	1:716:C:SER:HB3	13	23.89
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	7	23.88
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	7	23.88
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	7	23.88
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	7	23.88
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	7	23.88
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	7	23.88
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	7	23.88
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	7	23.88
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	7	23.88
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	7	23.88
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	7	23.88
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	7	23.88
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	7	23.88
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	7	23.88
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	7	23.88
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	7	23.88
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	7	23.88
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	7	23.88
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	11	23.75
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	11	23.75
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	11	23.75
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	11	23.75
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	11	23.75
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	11	23.75
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	11	23.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	11	23.75
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	11	23.75
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD2	2	23.66
(1,90)	1:763:C:LEU:H	1:742:C:ARG:HD3	2	23.66
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD2	2	23.66
(1,89)	1:763:C:LEU:H	1:742:C:ARG:HD3	2	23.66
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD2	2	23.66
(1,88)	1:763:C:LEU:H	1:742:C:ARG:HD3	2	23.66
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD11	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD12	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD13	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD21	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD22	14	23.65
(1,141)	1:792:C:ALA:H	1:753:C:LEU:HD23	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD11	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD12	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD13	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD21	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD22	14	23.65
(1,140)	1:792:C:ALA:H	1:753:C:LEU:HD23	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD11	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD12	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD13	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD21	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD22	14	23.65
(1,139)	1:792:C:ALA:H	1:753:C:LEU:HD23	14	23.65
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	3	23.64
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	3	23.64
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	3	23.64
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	3	23.64
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	3	23.64
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	3	23.64
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	3	23.64
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	3	23.64
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	3	23.64
(1,111)	1:785:C:LEU:HD21	1:749:C:VAL:HB	1	23.61
(1,111)	1:785:C:LEU:HD22	1:749:C:VAL:HB	1	23.61
(1,111)	1:785:C:LEU:HD23	1:749:C:VAL:HB	1	23.61
(1,110)	1:785:C:LEU:HD21	1:749:C:VAL:HB	1	23.61
(1,110)	1:785:C:LEU:HD22	1:749:C:VAL:HB	1	23.61
(1,110)	1:785:C:LEU:HD23	1:749:C:VAL:HB	1	23.61
(1,109)	1:785:C:LEU:HD21	1:749:C:VAL:HB	1	23.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,109)	1:785:C:LEU:HD22	1:749:C:VAL:HB	1	23.61
(1,109)	1:785:C:LEU:HD23	1:749:C:VAL:HB	1	23.61
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	3	23.59
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	3	23.59
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	3	23.59
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	3	23.59
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	3	23.59
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	3	23.59
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	3	23.59
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	3	23.59
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	3	23.59
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	3	23.59
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	3	23.59
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	3	23.59
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	3	23.59
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	3	23.59
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	3	23.59
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	3	23.59
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	3	23.59
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	3	23.59
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	14	23.29
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	14	23.29
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	14	23.29
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	14	23.29
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	14	23.29
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	14	23.29
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	14	23.29
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	14	23.29
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	14	23.29
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	6	23.24
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	6	23.24
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	6	23.24
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	6	23.24
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	6	23.24
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	6	23.24
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	6	23.24
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	6	23.24
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	6	23.24
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	12	23.22
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	12	23.22
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	12	23.22
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	12	23.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	12	23.22
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	12	23.22
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	12	23.22
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	12	23.22
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	12	23.22
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	23.19
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	23.19
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	23.19
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	23.19
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	23.19
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	23.19
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	23.19
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	23.19
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	23.19
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	23.19
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	23.19
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	23.19
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	23.19
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	23.19
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	23.19
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	23.19
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	23.19
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	23.19
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	4	23.04
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	4	23.04
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	4	23.04
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	4	23.04
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	4	23.04
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	4	23.04
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	4	23.04
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	4	23.04
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	4	23.04
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	4	23.04
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	4	23.04
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	4	23.04
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	4	23.04
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	4	23.04
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	4	23.04
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	4	23.04
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	4	23.04
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	4	23.04
(1,78)	1:754:C:ALA:H	1:716:C:SER:HB2	14	22.98

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	5	22.19
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	5	22.19
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	5	22.19
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	5	22.19
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	5	22.19
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	11	22.15
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	11	22.15
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	11	22.15
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	11	22.15
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	11	22.15
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	11	22.15
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	11	22.15
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	11	22.15
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	11	22.15
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	11	22.15
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	11	22.15
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	11	22.15
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	11	22.15
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	11	22.15
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	11	22.15
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	11	22.15
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	11	22.15
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	11	22.15
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	4	22.08
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	4	22.08
(1,150)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	4	22.08
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	4	22.08
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	4	22.08
(1,149)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	4	22.08
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD21	4	22.08
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD22	4	22.08
(1,148)	1:796:C:TRP:HE1	1:755:C:LEU:HD23	4	22.08
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	8	21.6
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	8	21.6
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	8	21.6
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	8	21.6
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	8	21.6
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	8	21.6
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	8	21.6
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	8	21.6
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	8	21.6
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	8	21.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	8	21.6
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	8	21.6
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	8	21.6
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	8	21.6
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	8	21.6
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	8	21.6
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	8	21.6
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	8	21.6
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	6	21.5
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	6	21.5
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	6	21.5
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	6	21.5
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	6	21.5
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	6	21.5
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	6	21.5
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	6	21.5
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	6	21.5
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	6	21.5
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	6	21.5
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	6	21.5
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	6	21.5
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	6	21.5
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	6	21.5
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	6	21.5
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	6	21.5
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	6	21.5
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	1	21.49
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	1	21.49
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	1	21.49
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	1	21.49
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	1	21.49
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	1	21.49
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	1	21.49
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	1	21.49
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	1	21.49
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	1	21.49
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	1	21.49
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	1	21.49
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	1	21.49
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	1	21.49
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	1	21.49
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	1	21.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	1	21.49
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	1	21.49
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	5	21.42
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	5	21.42
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	5	21.42
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	5	21.42
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	5	21.42
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	5	21.42
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	5	21.42
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	5	21.42
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	5	21.42
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	5	21.42
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	5	21.42
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	5	21.42
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	5	21.42
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	5	21.42
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	5	21.42
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	5	21.42
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	5	21.42
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	5	21.42
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	4	21.3
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	4	21.3
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	4	21.3
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	4	21.3
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	4	21.3
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	4	21.3
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	4	21.3
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	4	21.3
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	4	21.3
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	4	21.3
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	4	21.3
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	4	21.3
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	4	21.3
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	4	21.3
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	4	21.3
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	4	21.3
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	4	21.3
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	4	21.3
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	7	21.21
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	7	21.21
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	7	21.21
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	7	21.21

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	5	21.02
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	5	21.02
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	10	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	10	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	10	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	10	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	10	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	10	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	11	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	11	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	11	21.0
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	11	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	11	21.0
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	11	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	10	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	10	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	10	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	10	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	10	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	10	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	11	21.0
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	11	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	11	21.0
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	11	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	11	21.0
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	11	21.0
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	10	21.0
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	10	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	10	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	10	21.0
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	10	21.0
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	10	21.0
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	11	21.0
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	11	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	11	21.0
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	11	21.0
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	11	21.0
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	11	21.0
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	2	20.98
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	2	20.98
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	2	20.98
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	2	20.98

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	9	20.79
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	9	20.79
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	9	20.79
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	9	20.79
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	9	20.79
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	9	20.79
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	9	20.79
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	9	20.79
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	6	20.75
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	6	20.75
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	6	20.75
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	6	20.75
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	6	20.75
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	6	20.75
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	6	20.75
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	6	20.75
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	6	20.75
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	6	20.75
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	6	20.75
(1,101)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	6	20.75
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	6	20.75
(1,100)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	6	20.75
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	6	20.75
(1,100)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	6	20.75
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	6	20.75
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	6	20.75
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	20.73
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	20.73
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	20.73
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	20.73
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	20.73
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	20.73
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	20.73
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	20.73
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	20.73
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	20.73
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	20.73
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	20.73
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	20.73
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	20.73
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	20.73
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	20.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	20.73
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	20.73
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	3	20.72
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	3	20.72
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	3	20.72
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	3	20.72
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	3	20.72
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	3	20.72
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	3	20.72
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	3	20.72
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	3	20.72
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	3	20.72
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	3	20.72
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	3	20.72
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	3	20.72
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	3	20.72
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	3	20.72
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	3	20.72
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	3	20.72
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	3	20.72
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	1	20.67
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	1	20.67
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	1	20.67
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	1	20.67
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	1	20.67
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	1	20.67
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	1	20.67
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	1	20.67
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	1	20.67
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	1	20.67
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	1	20.67
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	1	20.67
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	1	20.67
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	1	20.67
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	1	20.67
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	1	20.67
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	1	20.67
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	1	20.67
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	12	20.64
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	12	20.64
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	12	20.64
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	12	20.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	12	20.64
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	12	20.64
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	12	20.64
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	12	20.64
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	12	20.64
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	12	20.64
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	12	20.64
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	12	20.64
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	12	20.64
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	12	20.64
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	12	20.64
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	12	20.64
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	12	20.64
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	12	20.64
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	10	20.63
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	10	20.63
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	10	20.63
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	10	20.63
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	10	20.63
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	10	20.63
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	10	20.63
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	10	20.63
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	10	20.63
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	10	20.63
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	10	20.63
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	10	20.63
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	10	20.63
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	10	20.63
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	10	20.63
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	10	20.63
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	10	20.63
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	10	20.63
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	9	20.52
(1,102)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	9	20.52
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	9	20.52
(1,102)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	9	20.52
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	9	20.52
(1,102)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	9	20.52
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	9	20.52
(1,101)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	9	20.52
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	9	20.52
(1,101)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	9	20.52

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	12	20.31
(1,100)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	12	20.31
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB2	14	20.07
(1,105)	1:785:C:LEU:HD21	1:716:C:SER:HB3	14	20.07
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB2	14	20.07
(1,105)	1:785:C:LEU:HD22	1:716:C:SER:HB3	14	20.07
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB2	14	20.07
(1,105)	1:785:C:LEU:HD23	1:716:C:SER:HB3	14	20.07
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB2	14	20.07
(1,104)	1:785:C:LEU:HD21	1:716:C:SER:HB3	14	20.07
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB2	14	20.07
(1,104)	1:785:C:LEU:HD22	1:716:C:SER:HB3	14	20.07
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB2	14	20.07
(1,104)	1:785:C:LEU:HD23	1:716:C:SER:HB3	14	20.07
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB2	14	20.07
(1,103)	1:785:C:LEU:HD21	1:716:C:SER:HB3	14	20.07
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB2	14	20.07
(1,103)	1:785:C:LEU:HD22	1:716:C:SER:HB3	14	20.07
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB2	14	20.07
(1,103)	1:785:C:LEU:HD23	1:716:C:SER:HB3	14	20.07
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	9	20.0
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	9	20.0
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	9	20.0
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	9	20.0
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	9	20.0
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	9	20.0
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	9	20.0
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	9	20.0
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	9	20.0
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	9	20.0
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	9	20.0
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	9	20.0
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	9	20.0
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	9	20.0
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	9	20.0
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	9	20.0
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	9	20.0
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	9	20.0
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	7	19.98
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	7	19.98
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	7	19.98
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	7	19.98

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	3	19.17
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	3	19.17
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	3	19.17
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	3	19.17
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	3	19.17
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	1	19.09
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	1	19.09
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	1	19.09
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	1	19.09
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	1	19.09
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	1	19.09
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	1	19.09
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	1	19.09
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	1	19.09
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	1	19.09
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	1	19.09
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	1	19.09
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	1	19.09
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	1	19.09
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	1	19.09
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	1	19.09
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	1	19.09
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	1	19.09
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	13	19.02
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	13	19.02
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	13	19.02
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	13	19.02
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	13	19.02
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	13	19.02
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	13	19.02
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	13	19.02
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	13	19.02
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	13	19.02
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	13	19.02
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	13	19.02
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	13	19.02
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	13	19.02
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	13	19.02
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	13	19.02
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	13	19.02
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	13	19.02
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	1	19.01

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	14	18.49
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	14	18.49
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	2	18.39
(1,108)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	2	18.39
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	2	18.39
(1,108)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	2	18.39
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	2	18.39
(1,108)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	2	18.39
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	2	18.39
(1,107)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	2	18.39
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	2	18.39
(1,107)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	2	18.39
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	2	18.39
(1,107)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	2	18.39
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	2	18.39
(1,106)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	2	18.39
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	2	18.39
(1,106)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	2	18.39
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	2	18.39
(1,106)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	2	18.39
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	2	18.04
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	2	18.04
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	2	18.04
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	2	18.04
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	2	18.04
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	2	18.04
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	2	18.04
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	2	18.04
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	2	18.04
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	11	17.72
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	11	17.72
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	11	17.72
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	11	17.72
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	11	17.72
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	11	17.72
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	11	17.72
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	11	17.72
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	11	17.72
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	10	17.44
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	10	17.44
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	10	17.44
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	10	17.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	10	17.44
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	10	17.44
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	10	17.44
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	10	17.44
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	10	17.44
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	6	17.43
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	6	17.43
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	6	17.43
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	6	17.43
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	6	17.43
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	6	17.43
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	6	17.43
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	6	17.43
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	6	17.43
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD21	8	17.03
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD22	8	17.03
(1,84)	1:758:C:ASP:H	1:715:C:LEU:HD23	8	17.03
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD21	8	17.03
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD22	8	17.03
(1,83)	1:758:C:ASP:H	1:715:C:LEU:HD23	8	17.03
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD21	8	17.03
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD22	8	17.03
(1,82)	1:758:C:ASP:H	1:715:C:LEU:HD23	8	17.03
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	1	16.59
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	1	16.59
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	1	16.59
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	1	16.59
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	1	16.59
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	1	16.59
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	10	16.52
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	10	16.52
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	10	16.52
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	10	16.52
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	10	16.52
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	10	16.52
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	8	16.49
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	8	16.49
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	8	16.49
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	8	16.49
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	8	16.49
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	8	16.49
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	7	16.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	7	16.46
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	7	16.46
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	7	16.46
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	7	16.46
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	7	16.46
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	12	16.4
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	12	16.4
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	12	16.4
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	12	16.4
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	12	16.4
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	12	16.4
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	13	16.37
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	13	16.37
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	13	16.37
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	13	16.37
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	13	16.37
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	13	16.37
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	9	16.31
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	9	16.31
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	9	16.31
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	9	16.31
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	9	16.31
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	9	16.31
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	14	15.89
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	14	15.89
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	14	15.89
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	14	15.89
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	14	15.89
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	14	15.89
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	4	15.78
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	4	15.78
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	4	15.78
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	4	15.78
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	4	15.78
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	4	15.78
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	5	15.74
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	5	15.74
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	5	15.74
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	5	15.74
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	5	15.74
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	5	15.74
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	6	15.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	6	15.47
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	6	15.47
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	6	15.47
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	6	15.47
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	6	15.47
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	3	15.28
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	3	15.28
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	3	15.28
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	3	15.28
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	3	15.28
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	3	15.28
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	11	15.19
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	11	15.19
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	11	15.19
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	11	15.19
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	11	15.19
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	11	15.19
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	15.01
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	15.01
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	15.01
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	15.01
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	15.01
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	15.01
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD2	2	14.58
(1,87)	1:759:C:ASP:H	1:709:C:ARG:HD3	2	14.58
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD2	2	14.58
(1,86)	1:759:C:ASP:H	1:709:C:ARG:HD3	2	14.58
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD2	2	14.58
(1,85)	1:759:C:ASP:H	1:709:C:ARG:HD3	2	14.58
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	1	14.38
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	1	14.38
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	1	14.38
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	1	14.38
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	1	14.38
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	1	14.38
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	13	14.21
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	13	14.21
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	13	14.21
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	13	14.21
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	13	14.21
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	13	14.21
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	8	14.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	8	14.01
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	8	14.01
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	8	14.01
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	8	14.01
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	8	14.01
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	7	13.99
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	7	13.99
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	7	13.99
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	7	13.99
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	7	13.99
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	7	13.99
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	5	13.68
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	5	13.68
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	5	13.68
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	5	13.68
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	5	13.68
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	5	13.68
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	12	13.58
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	12	13.58
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	12	13.58
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	12	13.58
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	12	13.58
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	12	13.58
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	9	13.57
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	9	13.57
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	9	13.57
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	9	13.57
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	9	13.57
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	9	13.57
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	4	13.48
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	4	13.48
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	4	13.48
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	4	13.48
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	4	13.48
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	4	13.48
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	3	13.28
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	3	13.28
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	3	13.28
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	3	13.28
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	3	13.28
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	3	13.28
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	6	13.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	6	13.26
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	6	13.26
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	6	13.26
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	6	13.26
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	6	13.26
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	13	13.25
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	13	13.25
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	13	13.25
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	13	13.25
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	13	13.25
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	13.25
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	13	13.25
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	13	13.25
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	13	13.25
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	13	13.25
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	13	13.25
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	13.25
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	13	13.25
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	13	13.25
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	13	13.25
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	13	13.25
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	13	13.25
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	13.25
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	11	13.13
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	11	13.13
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	11	13.13
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	11	13.13
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	11	13.13
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	11	13.13
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.09
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.09
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.09
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.09
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.09
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.09
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	10	13.04
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	10	13.04
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	10	13.04
(1,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	10	13.04
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	10	13.04
(1,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	10	13.04
(1,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	2	12.9

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

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	5	10.81
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	5	10.81
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	5	10.81
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	5	10.81
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	5	10.81
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	12	10.76
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	12	10.76
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	12	10.76
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	12	10.76
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	12	10.76
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	10.76
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	12	10.76
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	12	10.76
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	12	10.76
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	12	10.76
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	12	10.76
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	10.76
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	12	10.76
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	12	10.76
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	12	10.76
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	12	10.76
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	12	10.76
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	10.76
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	6	10.65
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	6	10.65
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	6	10.65
(1,81)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	6	10.65
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	6	10.65
(1,81)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	6	10.65
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	6	10.65
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	6	10.65
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	6	10.65
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	6	10.65
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	6	10.65
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	6	10.65
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	6	10.65
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	6	10.65
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	6	10.65
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	6	10.65
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	6	10.65
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	6	10.65
(1,81)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	10	10.53

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,80)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	10.27
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	10.27
(1,80)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	10.27
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	10.27
(1,80)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	10.27
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	10.27
(1,79)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	10.27
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	10.27
(1,79)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	10.27
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	10.27
(1,79)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	10.27
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	8.76
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	8.76
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	8.76
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	8.76
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	8.76
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	8.76
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	8.76
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	8.76
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	8.76
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	8.7
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	8.7
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	8.7
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	8.7
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	8.7
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	8.7
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	8.7
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	8.7
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	8.7
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	8.53
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	8.53
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	8.53
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	8.53
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	8.53
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	8.53
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	8.53
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	8.53
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	8.53
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	8.51
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	8.51
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	8.51
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	8.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	8.51
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	8.51
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	8.51
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	8.51
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	8.51
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	11	8.31
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	11	8.31
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	11	8.31
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	11	8.31
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	11	8.31
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	11	8.31
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.01
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.01
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.01
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.01
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.01
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.01
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.01
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.01
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.01
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	8.0
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	8.0
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	8.0
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	8.0
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	8.0
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	8.0
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	8.0
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	8.0
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	8.0
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	10	7.87
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	10	7.87
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	10	7.87
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	10	7.87
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	10	7.87
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	10	7.87
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	3	7.8
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	3	7.8
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	3	7.8
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	3	7.8
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	3	7.8
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	3	7.8
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	12	7.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	12	7.72
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	12	7.72
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	12	7.72
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	12	7.72
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	12	7.72
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	7.72
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	7.72
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	7.72
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	7.72
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	7.72
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	7.72
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	7.72
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	7.72
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	7.72
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	7.71
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	7.71
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	7.71
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	7.71
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	7.71
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	7.71
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	7.71
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	7.71
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	7.71
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	7.66
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	7.66
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	7.66
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	7.66
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	7.66
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	7.66
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	7.66
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	7.66
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	7.66
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	2	7.61
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	2	7.61
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	2	7.61
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	2	7.61
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	2	7.61
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	2	7.61
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	7.6
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	7.6
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	7.6
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	7.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	7.6
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	7.6
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	7.57
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	7.57
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	7.57
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	7.57
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	7.57
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	7.57
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	7.57
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	7.57
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	7.57
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	4	7.41
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	4	7.41
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	4	7.41
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	4	7.41
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	4	7.41
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	4	7.41
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	6	7.37
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	6	7.37
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	6	7.37
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	6	7.37
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	6	7.37
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	6	7.37
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	7.32
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	7.32
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	7.32
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	7.32
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	7.32
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	7.32
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	7.32
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	7.32
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	7.32
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	9	7.27
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	9	7.27
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	9	7.27
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	9	7.27
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	9	7.27
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	9	7.27
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	1	7.08
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	1	7.08
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	1	7.08
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	1	7.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	1	7.08
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	1	7.08
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	7.07
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	7.07
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	7.07
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	7.07
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	7.07
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	7.07
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	7.07
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	7.07
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	7.07
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	7.07
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	7.07
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	7.07
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	7.07
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	7.07
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	7.07
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	7.07
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	7.07
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	7.07
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	14	7.06
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	14	7.06
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	14	7.06
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	14	7.06
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	14	7.06
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	14	7.06
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	7.06
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	7.06
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	7.06
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	7.06
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	7.06
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	7.06
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	7.06
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	7.06
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	7.06
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	5	7.04
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	5	7.04
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	5	7.04
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	5	7.04
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	5	7.04
(1,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	5	7.04
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	6.98

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.43
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.43
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.43
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.43
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.43
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.43
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.43
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.43
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.43
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.43
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.43
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	6.41
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	6.41
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	6.41
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	6.41
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	6.41
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	6.41
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	6.41
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	6.41
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	6.41
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	6.41
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	6.41
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	6.41
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	6.41
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	6.41
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	6.41
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	6.41
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	6.41
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	6.41
(1,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	6.38
(1,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	6.38
(1,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	6.38
(1,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	6.38
(1,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	6.38
(1,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	6.38
(1,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	6.38
(1,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	6.38
(1,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	6.38
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	13	6.33
(1,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	13	6.33
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	13	6.33
(1,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	13	6.33

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	6.19
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	6.19
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	6.15
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	6.15
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	6.15
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	6.15
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	6.15
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	6.15
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	6.15
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	6.15
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	6.15
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	6.15
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	6.15
(1,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	6.15
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	6.15
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	6.15
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	6.15
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	6.15
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	6.15
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	6.15
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	6.15
(1,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	6.15
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	6.15
(1,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	6.15
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	6.15
(1,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	6.15
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	6.15
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	6.15
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	6.15
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	6.15
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	6.15
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	6.15
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	6.15
(1,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	6.15
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	6.15
(1,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	6.15
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	6.15
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	6.15
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	5.94
(1,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	5.94
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	5.94
(1,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	5.94

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	5.32
(1,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	5.32
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	2	4.53
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	2	4.53
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	2	4.53
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	2	4.53
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	2	4.53
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	2	4.53
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	2	4.53
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	2	4.53
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	2	4.53
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	2	4.53
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	2	4.53
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	2	4.53
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	2	4.53
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	2	4.53
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	2	4.53
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	2	4.53
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	2	4.53
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	2	4.53
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	10	4.46
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	10	4.46
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	10	4.46
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	10	4.46
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	10	4.46
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	10	4.46
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	10	4.46
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	10	4.46
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	10	4.46
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	10	4.46
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	10	4.46
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	10	4.46
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	10	4.46
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	10	4.46
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	10	4.46
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	10	4.46
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	10	4.46
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	10	4.46
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	8	4.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	8	4.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	8	4.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	8	4.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	8	4.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	8	4.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	8	4.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	8	4.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	8	4.42
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	14	4.01
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	14	4.01
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	14	4.01
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	14	4.01
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	14	4.01
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	14	4.01
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	14	4.01
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	14	4.01
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	14	4.01
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	14	4.01
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	14	4.01
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	14	4.01
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	14	4.01
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	14	4.01
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	14	4.01
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	14	4.01
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	14	4.01
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	14	4.01
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	13	3.99
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	13	3.99
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	13	3.99
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	13	3.99
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	13	3.99
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	13	3.99
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	13	3.99
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	13	3.99
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	13	3.99
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	13	3.99
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	13	3.99
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	13	3.99
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	13	3.99
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	13	3.99
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	13	3.99
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	13	3.99
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	13	3.99
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	13	3.99
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	3	3.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	3	3.94
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	3	3.94
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	3	3.94
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	3	3.94
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	3	3.94
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	3	3.94
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	3	3.94
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	3	3.94
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	11	3.91
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	11	3.91
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	11	3.91
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	11	3.91
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	11	3.91
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	11	3.91
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	11	3.91
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	11	3.91
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	11	3.91
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	9	3.76
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	9	3.76
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	9	3.76
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	9	3.76
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	9	3.76
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	9	3.76
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	9	3.76
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	9	3.76
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	9	3.76
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	9	3.76
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	9	3.76
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	9	3.76
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	9	3.76
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	9	3.76
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	9	3.76
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	9	3.76
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	9	3.76
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	9	3.76
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	1	3.66
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	1	3.66
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	1	3.66
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	1	3.66
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	1	3.66
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	1	3.66
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	8	3.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	8	3.66
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	8	3.66
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	8	3.66
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	8	3.66
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	8	3.66
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	1	3.66
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	1	3.66
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	1	3.66
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	1	3.66
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	1	3.66
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	1	3.66
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	8	3.66
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	8	3.66
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	8	3.66
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	8	3.66
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	8	3.66
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	8	3.66
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	1	3.66
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	1	3.66
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	1	3.66
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	1	3.66
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	1	3.66
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	1	3.66
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	8	3.66
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	8	3.66
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	8	3.66
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	8	3.66
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	8	3.66
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	8	3.66
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	1	3.58
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	1	3.58
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	1	3.58
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	1	3.58
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	1	3.58
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	1	3.58
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	1	3.58
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	1	3.58
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	1	3.58
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	3	3.51
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	3	3.51
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	3	3.51
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	3	3.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	3	3.51
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	3	3.51
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	3	3.51
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	3	3.51
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	3	3.51
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	3	3.51
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	3	3.51
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	3	3.51
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	3	3.51
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	3	3.51
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	3	3.51
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	3	3.51
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	3	3.51
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	3	3.51
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.48
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.48
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.48
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.48
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.48
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.48
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.48
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.48
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.48
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	14	3.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	14	3.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	14	3.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	14	3.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	14	3.42
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	14	3.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	14	3.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	14	3.42
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	14	3.42
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	12	3.2
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	12	3.2
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	12	3.2
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	12	3.2
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	12	3.2
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	12	3.2
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	12	3.2
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	12	3.2
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	12	3.2
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	2	3.1

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	10	3.03
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	10	3.03
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	5	3.02
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	5	3.02
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	5	3.02
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	5	3.02
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	5	3.02
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	5	3.02
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	5	3.02
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	5	3.02
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	5	3.02
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	1	3.01
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	1	3.01
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	1	3.01
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	1	3.01
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	1	3.01
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	1	3.01
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	1	3.01
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	1	3.01
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	1	3.01
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	1	3.01
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	1	3.01
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	1	3.01
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	1	3.01
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	1	3.01
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	1	3.01
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	1	3.01
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	1	3.01
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	1	3.01
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	9	2.95
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	9	2.95
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	9	2.95
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	9	2.95
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	9	2.95
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	9	2.95
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	9	2.95
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	9	2.95
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	9	2.95
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	7	2.92
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	7	2.92
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	7	2.92
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	7	2.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	7	2.92
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	7	2.92
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	7	2.92
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	7	2.92
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	7	2.92
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	7	2.92
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	7	2.92
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	7	2.92
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	7	2.92
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	7	2.92
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	7	2.92
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	7	2.92
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	7	2.92
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	7	2.92
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	12	2.86
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	12	2.86
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	12	2.86
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	12	2.86
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	12	2.86
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	12	2.86
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	12	2.86
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	12	2.86
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	12	2.86
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	12	2.86
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	12	2.86
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	12	2.86
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	12	2.86
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	12	2.86
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	12	2.86
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	12	2.86
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	12	2.86
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	12	2.86
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	11	2.75
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	11	2.75
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	11	2.75
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	11	2.75
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	11	2.75
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	11	2.75
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	11	2.75
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	11	2.75
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	11	2.75
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	11	2.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	11	2.75
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	11	2.75
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	11	2.75
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	11	2.75
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	11	2.75
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	11	2.75
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	11	2.75
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	11	2.75
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	2.64
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	2.64
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	2.64
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	2.64
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	2.64
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	2.64
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.54
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.54
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.54
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.54
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.54
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.54
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG21	6	2.53
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG22	6	2.53
(1,75)	1:713:C:SER:H	1:708:C:VAL:HG23	6	2.53
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG21	6	2.53
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG22	6	2.53
(1,74)	1:713:C:SER:H	1:708:C:VAL:HG23	6	2.53
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG21	6	2.53
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG22	6	2.53
(1,73)	1:713:C:SER:H	1:708:C:VAL:HG23	6	2.53
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.53
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.53
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.53
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.53
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.53
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.53
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.53
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.53
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.53
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.53
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.53
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.53
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.53

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.52
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.52
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.52
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.52
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.52
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.52
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.52
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.52
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.52
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.52
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.52
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.52
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.52
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.52
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.52
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.52
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.52
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.5
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.5
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.5
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.5
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.5
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.5
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.48
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.48
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.48
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.48

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.48
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.48
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.48
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.48
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.47
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.47
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.47
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.47
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.47
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.47
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	2.47
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	2.47
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	2.47
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.46
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.46
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.46
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.46
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.46
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.46
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.46
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.46
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.46
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.46
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.46
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.46
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.46

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	2.44
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	2.44
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	2.44
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	2.44
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	2.44
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	2.44
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	2.44
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	2.44
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	2.44
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	2.44
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	2.44
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	2.44
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	2.44
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	2.44
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.43
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.43
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.43
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.43
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.43
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.43
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.43
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.43
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.43
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.43
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.43
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.43
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.43
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.43
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.43
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.43
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.43
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.43
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.43
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.43
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.43
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.43
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.43
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.43
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.43
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.43
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.43
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.42

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.41
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.41
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.41
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.41
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.41
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.41
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.41
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.41
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.41
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.41
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.41
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.39
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.39
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.39
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.39
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.39
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.39
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.39
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.39
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.39
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.39
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.39
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.39
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.39
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.39
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.39
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.39
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.39
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.39
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.39
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.39
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.39
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.39
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.39
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.39
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.39
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.39
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.39
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.38
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.38
(1,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.38
(1,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.38

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.2
(1,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.2
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.2
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.2
(1,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.2
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.2
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.2
(1,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.2
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.2
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.2
(1,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.2
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.2
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.2
(1,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.2
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.2
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.2
(1,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.2
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.2
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.2
(1,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.2
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.16
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.16
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.16
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.16
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.16
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.16
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	2.16
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	2.16
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	2.16
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	2.16
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	2.16
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	2.16
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	2.16
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	2.16
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	2.16
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	11	2.15
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	11	2.15
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	11	2.15
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	11	2.15
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	11	2.15
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	11	2.15
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	11	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	11	2.15
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	11	2.15
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	11	2.15
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	11	2.15
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	11	2.15
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	11	2.15
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	11	2.15
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	11	2.15
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	11	2.15
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	11	2.15
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	11	2.15
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.14
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.14
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.14
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.14
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.14
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.14
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.14
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.14
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.14
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	2.11
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	2.11
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	2.11
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	2.11
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	2.11
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	2.11
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	2.11
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	2.11
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	2.11
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	6	2.09
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	6	2.09
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	6	2.09
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	6	2.09
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	6	2.09
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	6	2.09
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	6	2.09
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	6	2.09
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	6	2.09
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	6	2.09
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	6	2.09
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	6	2.09
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	6	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	6	2.09
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	6	2.09
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	6	2.09
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	6	2.09
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	6	2.09
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	6	2.09
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	6	2.09
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	6	2.09
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	6	2.09
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	6	2.09
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	6	2.09
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	6	2.09
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	6	2.09
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	6	2.09
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	6	2.09
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	6	2.09
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	6	2.09
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	6	2.09
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	6	2.09
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	6	2.09
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	6	2.09
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	6	2.09
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	6	2.09
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	2.09
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	2.09
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	2.09
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	2.09
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	2.09
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	2.09
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	2.09
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	2.09
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	2.09
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	2.09
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	2.09
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	2.09
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	2.09
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	2.09
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	2.09
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	2.09
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	2.09
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	2.09
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.08
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.08
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.08
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.08
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.08
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	2.06
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	2.06
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	2.06
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	2.06
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	2.06
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	2.06
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	2.06
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	2.06
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	2.06
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	2.06
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	2.06
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	2.06
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	2.06
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	2.06
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	2.06
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	2.06
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	2.06
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	2.06
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	5	2.05
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	5	2.05
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	5	2.05
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	5	2.05
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	5	2.05
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	5	2.05
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	5	2.05
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	5	2.05
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	5	2.05
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	5	2.05
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	5	2.05
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	5	2.05
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	5	2.05
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	5	2.05
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	5	2.05
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	5	2.05
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	5	2.05
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	5	2.05
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	2.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	2.03
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	2.03
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	2.03
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	2.03
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	2.03
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	2.03
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	2.03
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	2.03
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	2.03
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	2.03
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	2.03
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	2.03
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	2.03
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	2.03
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	6	2.02
(1,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	6	2.02
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	6	2.02
(1,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	6	2.02
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	6	2.02
(1,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	6	2.02
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	6	2.02
(1,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	6	2.02
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	6	2.02
(1,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	6	2.02
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	6	2.02
(1,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	6	2.02
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	6	2.02
(1,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	6	2.02
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	6	2.02
(1,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	6	2.02
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	6	2.02
(1,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	6	2.02
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	2.01
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	2.01
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	2.01
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	2.01
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	2.01
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	2.01
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	2.01
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	2.01
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	2.01
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	2.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	2.01
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	2.01
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	2.01
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	2.01
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	2.01
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	2.01
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	2.01
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	2.01
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	2.01
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	2.01
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	2.01
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	2.01
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	2.01
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	2.01
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	2.01
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	2.01
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	2.01
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	2.01
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	2.01
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	2.01
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	2.01
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	2.01
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	2.01
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	2.01
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	2.01
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	2.01
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	2.01
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	2.01
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	2.01
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	2.01
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	2.01
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	2.01
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	9	1.99
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	9	1.99
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	9	1.99
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	9	1.99
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	9	1.99
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	9	1.99
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	9	1.99
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	9	1.99
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	9	1.99
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	9	1.99

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	1.96
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	1.96
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	1.96
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	1.96
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	1.96
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	4	1.96
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	4	1.96
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	4	1.96
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	4	1.96
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	4	1.96
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	4	1.96
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	1.96
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	1.96
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	1.96
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	1.96
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	1.96
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	1.96
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	1.95
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	1.95
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	1.95
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	1.95
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	1.95
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	1.95
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	1.95
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	1.95
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	1.95
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	1.94
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	1.94
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	1.94
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	1.94
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	1.94
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	1.94
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	1.94
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	1.94
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	1.94
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	1.94
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	1.94
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	1.94
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	1.94
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	1.94
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	1.94
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	1.94
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	1.94
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	15	1.91
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	15	1.91
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	15	1.91
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	15	1.91
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	15	1.91
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	15	1.91
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	15	1.91
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	15	1.91
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	15	1.91
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	15	1.91
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	15	1.91
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	15	1.91
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	15	1.91
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	15	1.91
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	15	1.91
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	15	1.91
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	15	1.91
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	15	1.91
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	2	1.91
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	2	1.91
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	2	1.91
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	2	1.91
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	2	1.91
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	2	1.91
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	2	1.91
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	2	1.91
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	2	1.91
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	2	1.91
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	2	1.91
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	2	1.91
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	2	1.91
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	2	1.91
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	2	1.91
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	2	1.91
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	2	1.91
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	2	1.91
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	5	1.9
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	5	1.9
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	5	1.9
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	5	1.9

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	14	1.88
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	14	1.88
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	14	1.88
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	14	1.88
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	14	1.88
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	14	1.88
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	14	1.88
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	14	1.88
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	1.88
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	1.88
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	1.88
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	1.88
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	1.88
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	1.88
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	1.87
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	1.87
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	1.87
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	1.87
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	1.87
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	1.87
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	1.87
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	1.87
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	1.87
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	1.85
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	1.85
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	1.85
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	1.85
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	1.85
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	1.85
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	1.85
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	1.85
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	1.85
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	12	1.83
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	12	1.83
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	12	1.83
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	12	1.83
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	12	1.83
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	12	1.83
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	12	1.83
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	12	1.83
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	12	1.83
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	12	1.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	12	1.83
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	12	1.83
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	12	1.83
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	12	1.83
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	12	1.83
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	12	1.83
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	12	1.83
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	12	1.83
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	1.78
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	1.78
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	1.78
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	1.78
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	1.78
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	1.78
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	1.74
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	1.74
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	1.74
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	1.74
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	1.74
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	1.74
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	1.74
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	1.74
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	1.74
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	1.73
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	1.73
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	1.73
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	1.73
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	1.73
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	1.73
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	1.73
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	1.73
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	1.73
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	3	1.68
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	3	1.68
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	3	1.68
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	3	1.68
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	3	1.68
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	3	1.68
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	3	1.68
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	3	1.68
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	3	1.68
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	3	1.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	3	1.68
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	3	1.68
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	3	1.68
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	3	1.68
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	3	1.68
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	3	1.68
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	3	1.68
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	3	1.68
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	1.68
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	1.68
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	1.68
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	1.68
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	1.68
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	1.68
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	1.68
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	1.68
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	1.68
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	1.68
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	1.68
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	1.68
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	1.68
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	1.68
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	1.68
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	1.68
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	1.68
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	1.68
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	1.66
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	1.66
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	1.66
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	1.66
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	1.66
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	1.66
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	1.66
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	1.66
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	1.66
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	3	1.65
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	3	1.65
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	3	1.65
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	3	1.65
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	3	1.65
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	3	1.65
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	3	1.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	3	1.65
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	3	1.65
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	3	1.65
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	3	1.65
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	3	1.65
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	3	1.65
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	3	1.65
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	3	1.65
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	3	1.65
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	3	1.65
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	3	1.65
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	1.64
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	1.64
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	1.64
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	1.64
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	1.64
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	1.64
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	1.64
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	1.64
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	1.64
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	4	1.64
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	4	1.64
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	4	1.64
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	4	1.64
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	4	1.64
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	4	1.64
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	4	1.64
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	4	1.64
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	4	1.64
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	4	1.64
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	4	1.64
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	4	1.64
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	4	1.64
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	4	1.64
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	4	1.64
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	4	1.64
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	4	1.64
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	4	1.64
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	10	1.63
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	10	1.63
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	10	1.63
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	10	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	10	1.63
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	10	1.63
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	10	1.63
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	10	1.63
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	10	1.63
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	10	1.63
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	10	1.63
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	10	1.63
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	10	1.63
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	10	1.63
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	10	1.63
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	10	1.63
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	10	1.63
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	10	1.63
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.63
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.63
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.63
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.63
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.63
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.63
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.63
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.63
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.63
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.63
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.63
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.63
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.63
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.63
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.63
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.63
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.63
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.63
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.61
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.61
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.61
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.61
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.61
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.61
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.61
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.61
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.61
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	1.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	1.59
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	1.59
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	1.59
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	1.59
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	1.59
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	11	1.57
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	11	1.57
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	11	1.57
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	11	1.57
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	11	1.57
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	11	1.57
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	11	1.57
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	11	1.57
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	11	1.57
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	11	1.57
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	11	1.57
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	11	1.57
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	11	1.57
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	11	1.57
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	11	1.57
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	11	1.57
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	11	1.57
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	11	1.57
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	1.54
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	1.54
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	1.54
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	1.54
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	1.54
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	1.54
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	1.53
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	1.53
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	1.53
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	1.53
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	1.53
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	1.53
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	1.53
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	1.53
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	1.53
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.52
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.52
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.52
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.52
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.52
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.52
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.52
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.52
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.52
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.52
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.52
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	1.52
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	1.52
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	1.52
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	1.52
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	1.52
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	1.52
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	1.49
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	1.49
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	1.49
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	1.49
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	1.49
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	1.49
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	1.49
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	1.49
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	1.49
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	1	1.46
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	1	1.46
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	1	1.46
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	1	1.46
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	1	1.46
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	1	1.46
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	1	1.46
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	1	1.46
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	1	1.46
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	1	1.46
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	1	1.46
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	1	1.46
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	1	1.46
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	1	1.46
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	1	1.46
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	1	1.46
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	1	1.46
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	1	1.46
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	1.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	1.45
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	1.45
(1,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	1.45
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	1.45
(1,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	1.45
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.44
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.44
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.44
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.44
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.44
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.44
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.44
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.44
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.44
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.44
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.44
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.44
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.44
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.44
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.44
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.44
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.44
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.44
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.44
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.44
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.44
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.44
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	1.42

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	1.41
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	1.41
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	13	1.37
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	13	1.37
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	13	1.37
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	13	1.37
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	13	1.37
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	13	1.37
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	13	1.37
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	13	1.37
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	13	1.37
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	13	1.37
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	13	1.37
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	13	1.37
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	13	1.37
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	13	1.37
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	13	1.37
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	13	1.37
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	13	1.37
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	13	1.37
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	1.37
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	1.37
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	1.37
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	1.37
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	1.37
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	1.37
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	1.37
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	1.37
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	1.37
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	2	1.36
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	2	1.36
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	2	1.36
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	2	1.36
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	2	1.36
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	2	1.36
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	2	1.36
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	2	1.36
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	2	1.36
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	2	1.36
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	2	1.36
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	2	1.36
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	2	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	2	1.36
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	2	1.36
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	2	1.36
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	2	1.36
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	2	1.36
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	4	1.35
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	4	1.35
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	4	1.35
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	4	1.35
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	4	1.35
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	4	1.35
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	4	1.35
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	4	1.35
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	4	1.35
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	4	1.35
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	4	1.35
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	4	1.35
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	4	1.35
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	4	1.35
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	4	1.35
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	4	1.35
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	4	1.35
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	4	1.35
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	7	1.35
(1,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	7	1.35
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	7	1.35
(1,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	7	1.35
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	7	1.35
(1,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	7	1.35
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	7	1.35
(1,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	7	1.35
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	7	1.35
(1,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	7	1.35
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	7	1.35
(1,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	7	1.35
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	7	1.35
(1,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	7	1.35
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	7	1.35
(1,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	7	1.35
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	7	1.35
(1,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	7	1.35
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	1.35
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	1.35
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	1.35
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	1.35
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	1.35
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	1.35
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	1.35
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	1.35
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	9	1.33
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	9	1.33
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	9	1.33
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	9	1.33
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	9	1.33
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	9	1.33
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	9	1.33
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	9	1.33
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	9	1.33
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	9	1.33
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	9	1.33
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	9	1.33
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	9	1.33
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	9	1.33
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	9	1.33
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	9	1.33
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	9	1.33
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	9	1.33
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	10	1.32
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	10	1.32
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	10	1.32
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	10	1.32
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	10	1.32
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	10	1.32
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	10	1.32
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	10	1.32
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	10	1.32
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	10	1.32
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	10	1.32
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	10	1.32
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	10	1.32
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	10	1.32
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	10	1.32
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	10	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	10	1.32
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	10	1.32
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	1.31
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	1.31
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	1.31
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	1.31
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	1.31
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	1.31
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	1.31
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	1.31
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	1.31
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	1.29
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	1.29
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	1.29
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.29
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.29
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.29
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	1.29
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	1.29
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	1.29
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.29
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.29
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.29
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	1.29
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	1.29
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	1.29
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.29
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.29
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.29
(1,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	1.27
(1,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	1.27
(1,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	1.27
(1,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	1.27
(1,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	1.27
(1,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	1.27
(1,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	1.27
(1,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	1.27
(1,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	1.27
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	1.26
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	1.26
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	1.26
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.26
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.26
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.26
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.26
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.26
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	1.26
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	1.26
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	1.26
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.26
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.26
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.26
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.26
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.26
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.26
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	1.26
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	1.26
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	1.26
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.26
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.26
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.26
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.26
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.26
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.26
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	1.25
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	1.25
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	1.25
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	1.25
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	1.25
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	1.25
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	1.25
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	1.25
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	1.25
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	1.25
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	1.25
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	1.25
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	1.25
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	1.25
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	1.25
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	1.25
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	1.25
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	1.25
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	1.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	1.24
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	1.24
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	1.24
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	1.24
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	1.24
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	1.24
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	1.24
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	1.24
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	7	1.24
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	7	1.24
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	7	1.24
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	7	1.24
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	7	1.24
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	7	1.24
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	7	1.24
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	7	1.24
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	7	1.24
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	7	1.24
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	7	1.24
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	7	1.24
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	7	1.24
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	7	1.24
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	7	1.24
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	7	1.24
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	7	1.24
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	7	1.24
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	1.23
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	1.23
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	1.23
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	1.23
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	1.23
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	1.23
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	1.23
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	1.23
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	1.23
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.23
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.23
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.23
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.23
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.23
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.23
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.23
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.23
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	1.23
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	1.23
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	1.23
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	1.23
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	1.23
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	1.23
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.23
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.23
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.23
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.23
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.23
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.23
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	1.23
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	1.23
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	1.23
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	1.23
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	1.23
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	1.23
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.23
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.23
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.23
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.23
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.23
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.23
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	1.23
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	1.23
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	1.23
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	1.23
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	1.23
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	1.23
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.23
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.23
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.23
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.23
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.23
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.23
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	5	1.22
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	5	1.22
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	5	1.22
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.21
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.21
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.21
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.21
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.21
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.21
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.21
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.21
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.21
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.21
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.21
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.21
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.21
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.21
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.21
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.21
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.21
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.21
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.21
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.21
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.21
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.21
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.21
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.21
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.21
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.21
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	1.2
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	1.2
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	1.2
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	1.2
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	1.2
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	1.2
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	1.2
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	1.2
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	1.2
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	6	1.15
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	6	1.15
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	6	1.15
(1,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.15
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.15
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.15
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.15

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.09
(1,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.09
(1,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.09
(1,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.09
(1,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.09
(1,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.09
(1,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.09
(1,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.09
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	1.09
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	1.09
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	1.09
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	1.09
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	1.09
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	1.09
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	1.09
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	1.09
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	1.09
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	1.09
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	1.09
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	1.09
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	1.09
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	1.09
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	1.09
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	1.09
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	1.09
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	1.09
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	12	1.08
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	12	1.08
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	12	1.08
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	7	1.08
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	7	1.08
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	7	1.08
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	7	1.08
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	7	1.08
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	7	1.08
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	7	1.08
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	7	1.08
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	7	1.08
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	7	1.08
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	7	1.08
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	7	1.08
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	7	1.08

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	1.01
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	1.01
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	1.01
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	1.01
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	1.01
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	1.01
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	1.01
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	1.01
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	0.99
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	0.99
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	0.99
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	0.99
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	0.99
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	0.99
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	0.99
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	0.99
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	0.99
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	15	0.98
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	15	0.98
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	15	0.98
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	2	0.96
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	4	0.96
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	2	0.96
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	4	0.96
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	2	0.96
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	4	0.96
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	13	0.96
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	13	0.96
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	13	0.96
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	13	0.96
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	13	0.96
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	13	0.96
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	2	0.95
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	2	0.95
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	2	0.95
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	2	0.95
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	2	0.95
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	2	0.95
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	3	0.94
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	3	0.94
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	3	0.94
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	3	0.94

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	11	0.9
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	11	0.9
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	8	0.89
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	8	0.89
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	8	0.89
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	13	0.89
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	13	0.89
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	13	0.89
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	15	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	8	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	8	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	8	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	13	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	13	0.89
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	13	0.89
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	15	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	8	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	8	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	8	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	13	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	13	0.89
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	13	0.89
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH12	15	0.89
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	7	0.87
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	1	0.87
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	6	0.87
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	7	0.87
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	1	0.87
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	6	0.87
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	7	0.87
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	1	0.87
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	6	0.87
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	7	0.87
(1,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	7	0.87
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	7	0.87
(1,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	7	0.87
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	7	0.87
(1,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	7	0.87
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	1	0.86
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	1	0.86
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	1	0.86
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	8	0.86

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	5	0.78
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	5	0.78
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	3	0.78
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	14	0.78
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	7	0.78
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	5	0.78
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	5	0.78
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	5	0.78
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	3	0.78
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	14	0.78
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	7	0.78
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	5	0.78
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	5	0.78
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	5	0.78
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	5	0.78
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	5	0.78
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	5	0.78
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	5	0.78
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	5	0.78
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	5	0.78
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	5	0.78
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	5	0.78
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	5	0.78
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	5	0.78
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	5	0.78
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	5	0.78
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	5	0.78
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	5	0.78
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	5	0.78
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	14	0.77
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	12	0.77
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	14	0.77
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	12	0.77
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	14	0.77
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	12	0.77
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	15	0.77
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	15	0.77
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	15	0.77
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	15	0.77
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	15	0.77
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	15	0.77
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	15	0.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	15	0.77
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	15	0.77
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	15	0.77
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	15	0.77
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	15	0.77
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	15	0.77
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	15	0.77
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	15	0.77
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	15	0.77
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	15	0.77
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	15	0.77
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	0.77
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	0.77
(1,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	0.77
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	0.77
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	0.77
(1,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	0.77
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	0.77
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	0.77
(1,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	0.77
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	9	0.76
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	2	0.76
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	2	0.76
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	2	0.76
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	2	0.76
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	8	0.76
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	3	0.76
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	9	0.76
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	2	0.76
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	2	0.76
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	2	0.76
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	2	0.76
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	8	0.76
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	3	0.76
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	9	0.76
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	2	0.76
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	2	0.76
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	2	0.76
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	2	0.76
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	8	0.76
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	3	0.76
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	14	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	14	0.75
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	14	0.75
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.75
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	14	0.75
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	14	0.75
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	14	0.75
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.75
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	14	0.75
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	14	0.75
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	14	0.75
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.75
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	3	0.75
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	3	0.75
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	3	0.75
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	3	0.75
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	3	0.75
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	3	0.75
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	3	0.75
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	3	0.75
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	3	0.75
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	3	0.75
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	3	0.75
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	3	0.75
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	3	0.75
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	3	0.75
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	3	0.75
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	3	0.75
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	3	0.75
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	3	0.75
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	0.75
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	0.75
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	0.75
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	0.75
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	0.75
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	0.75
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	0.75
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	0.75
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	0.75
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	0.75
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	0.75
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	0.75
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	0.75
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	0.75
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	0.75
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	0.75
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	0.75
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	0.74
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	0.74
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	0.74
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	0.74
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	0.74
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	0.74
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	0.74
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	0.74
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	0.74
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	0.74
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	0.74
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	0.74
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	0.74
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	0.74
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	0.74
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	0.74
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	0.74
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	0.74
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	0.74
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	0.74
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	0.74
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	0.74
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	0.74
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	0.74
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	0.74
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	0.74
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	0.74
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	0.74
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	0.74
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	0.74
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	0.74
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	0.74
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	0.74
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	0.74
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	0.74
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	0.74
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	12	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	12	0.73
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	12	0.73
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	2	0.72
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	2	0.72
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	2	0.72
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.72
(1,921)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.72
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	2	0.72
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	2	0.72
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	2	0.72
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.72
(1,580)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.72
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	2	0.72
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	2	0.72
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	2	0.72
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.72
(1,239)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.72
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	10	0.71
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	10	0.71
(1,1201)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	10	0.71
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.71
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	10	0.71
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	10	0.71
(1,860)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	10	0.71
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.71
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB1	10	0.71
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB2	10	0.71
(1,519)	1:790:C:TRP:HE1	1:792:C:ALA:HB3	10	0.71
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.71
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	0.71
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	0.71
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	0.71
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	0.71
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	0.71
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	0.71
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	0.71
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	0.71
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	0.71
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	0.71
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	0.71
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	0.71
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	0.71

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	0.7
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	0.7
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	0.7
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	0.7
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	0.7
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	0.7
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	0.7
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	0.7
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	0.7
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	0.7
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	0.7
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	0.7
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	0.7
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	0.7
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	0.7
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	0.7
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	0.7
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	0.7
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	0.7
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	0.7
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	0.7
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	0.7
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	0.7
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	0.7
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	0.7
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	0.7
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	0.7
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	0.7
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	0.7
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	0.7
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	0.7
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	0.7
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	0.7
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	0.7
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	0.7
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	0.7
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	0.7
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	0.7
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	13	0.69
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	13	0.69
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	13	0.69
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	0.69
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	0.69
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	0.69
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	0.69
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	0.69
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	0.69
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	0.69
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	0.69
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	0.69
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	0.69
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	0.69
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	0.69
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	0.69
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	0.69
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	0.69
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	0.69
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	0.69
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	7	0.68
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	13	0.68
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	14	0.68
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	9	0.68
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	7	0.68
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	13	0.68
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	14	0.68
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	9	0.68
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	7	0.68
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	13	0.68
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	14	0.68
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	9	0.68
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	0.68
(1,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	0.68
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	0.68
(1,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	0.68
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	0.68
(1,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	0.68
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	0.68
(1,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	0.68
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	0.68
(1,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	0.68
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	0.68
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	0.68
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	0.68

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	0.66
(1,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	0.66
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	0.66
(1,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	0.66
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	0.66
(1,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	0.66
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	0.66
(1,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	0.66
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	2	0.65
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	3	0.65
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.65
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	3	0.65
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	2	0.65
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	3	0.65
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.65
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	3	0.65
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	2	0.65
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	3	0.65
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.65
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	3	0.65
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	5	0.65
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	5	0.65
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	5	0.65
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	5	0.65
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	5	0.65
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	5	0.65
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	5	0.65
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	5	0.65
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	5	0.65
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	5	0.65
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	5	0.65
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	5	0.65
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	5	0.65
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	5	0.65
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	5	0.65
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	5	0.65
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	5	0.65
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	5	0.65
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.65
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.65
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.65
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.65
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.65
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.65
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.65
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.65
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	8	0.64
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	11	0.64
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	12	0.64
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	10	0.64
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	7	0.64
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	8	0.64
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	11	0.64
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	12	0.64
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	10	0.64
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	7	0.64
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	8	0.64
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	11	0.64
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	12	0.64
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	10	0.64
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	7	0.64
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	12	0.63
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	12	0.63
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	4	0.63
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	5	0.63
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.63
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.63
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.63
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	1	0.63
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.63
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.63
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.63
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	12	0.63
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	12	0.63
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	4	0.63
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	5	0.63
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.63
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.63
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.63
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	1	0.63
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.63
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.63
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.63

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.6
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.6
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.6
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.6
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.6
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.6
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.6
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.6
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.6
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.6
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.6
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	6	0.59
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	9	0.59
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	7	0.59
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.59
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.59
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.59
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	6	0.59
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	9	0.59
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	7	0.59
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.59
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.59
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.59
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	6	0.59
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	9	0.59
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH12	7	0.59
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.59

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

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

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	0.56
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	0.56
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	7	0.55
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	7	0.55
(1,1211)	1:802:C:TYR:H	1:803:C:TRP:HH2	13	0.55
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	8	0.55
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	2	0.55
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	2	0.55
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	3	0.55
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	3	0.55
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	2	0.55
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	4	0.55
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	7	0.55
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	7	0.55
(1,870)	1:802:C:TYR:H	1:803:C:TRP:HH2	13	0.55
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	8	0.55
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	2	0.55
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	2	0.55
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	3	0.55
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	3	0.55
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	2	0.55
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	4	0.55
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	7	0.55
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	7	0.55
(1,529)	1:802:C:TYR:H	1:803:C:TRP:HH2	13	0.55
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	8	0.55
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	2	0.55
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	2	0.55
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	3	0.55
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	3	0.55
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	2	0.55
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	4	0.55
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	3	0.54
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	7	0.54
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.54
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.54
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.54
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	3	0.54
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	7	0.54
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.54
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.54
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	3	0.54
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	7	0.54
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.54
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.54
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.54
(1,1209)	1:802:C:TYR:H	1:802:C:TYR:HB3	1	0.53
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	3	0.53
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.53
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.53
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.53
(1,868)	1:802:C:TYR:H	1:802:C:TYR:HB3	1	0.53
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	3	0.53
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.53
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.53
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.53
(1,527)	1:802:C:TYR:H	1:802:C:TYR:HB3	1	0.53
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	3	0.53
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.53
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.53
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.53
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	0.53
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	0.53
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	0.53
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	0.53
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	0.53
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	0.53
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	0.53
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	0.53
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	0.53
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	0.53
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	0.53
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	0.53
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	0.53
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	0.53
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	0.53
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	0.53
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	0.53
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	0.53
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	0.53
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	0.53
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	0.53
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	0.53
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	0.53
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	0.53
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	0.53
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	0.53
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	13	0.52
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	10	0.52
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	5	0.52
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	5	0.52
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	5	0.52
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.52
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.52
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.52
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	13	0.52
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	10	0.52
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	5	0.52
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	5	0.52
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	5	0.52
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.52
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.52
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.52
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	13	0.52
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	10	0.52
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	5	0.52
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	5	0.52
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	5	0.52
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.52
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.52
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.52
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	15	0.51
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	13	0.51
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	7	0.51
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	7	0.51
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	7	0.51
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	7	0.51
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	7	0.51
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	7	0.51
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	8	0.51
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	15	0.51
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	13	0.51
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	7	0.51
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	7	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	7	0.51
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	7	0.51
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	7	0.51
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	7	0.51
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	8	0.51
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	15	0.51
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	13	0.51
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	7	0.51
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	7	0.51
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	7	0.51
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	7	0.51
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	7	0.51
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	7	0.51
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	8	0.51
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	6	0.5
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	6	0.5
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	1	0.5
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	12	0.5
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.5
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	3	0.5
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	3	0.5
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	3	0.5
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	3	0.5
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	3	0.5
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	3	0.5
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	9	0.5
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	9	0.5
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	9	0.5
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.5
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.5
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.5
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.5
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	6	0.5
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	6	0.5
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	1	0.5
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	12	0.5
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.5
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	3	0.5
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	3	0.5
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	3	0.5
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	3	0.5
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	3	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	3	0.5
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	9	0.5
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	9	0.5
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	9	0.5
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.5
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.5
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.5
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.5
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	6	0.5
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	6	0.5
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	1	0.5
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	12	0.5
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.5
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	3	0.5
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	3	0.5
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	3	0.5
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	3	0.5
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	3	0.5
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	3	0.5
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	9	0.5
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	9	0.5
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	9	0.5
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.5
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.5
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.5
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	15	0.5
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	0.5
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	0.5
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	0.5
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	0.5
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	0.5
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	0.5
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	0.5
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	0.5
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	0.5
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	0.5
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	0.5
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	0.5
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	0.5
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	0.5
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	0.5
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	0.5
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	0.5
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	14	0.49
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	14	0.49
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	14	0.49
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	11	0.49
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	8	0.49
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	10	0.49
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	7	0.49
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	1	0.49
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	1	0.49
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	1	0.49
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	1	0.49
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	1	0.49
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	1	0.49
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	2	0.49
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	2	0.49
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	2	0.49
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	2	0.49
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	2	0.49
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	2	0.49
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	2	0.49
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	2	0.49
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	2	0.49
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.49
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.49
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.49
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	11	0.49
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	8	0.49
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	10	0.49
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	7	0.49
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	1	0.49
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	1	0.49
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	1	0.49
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	1	0.49
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	1	0.49
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	1	0.49
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	2	0.49
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	2	0.49
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	2	0.49
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	2	0.49
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	2	0.49
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	2	0.49
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	2	0.49
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	2	0.49
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.49
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.49
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.49
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	11	0.49
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	8	0.49
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	10	0.49
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	7	0.49
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	1	0.49
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	1	0.49
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	1	0.49
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	1	0.49
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	1	0.49
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	1	0.49
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	2	0.49
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	2	0.49
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	2	0.49
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	2	0.49
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	2	0.49
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	2	0.49
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	2	0.49
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	2	0.49
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	2	0.49
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.49
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.49
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.49
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	9	0.49
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	9	0.49
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	9	0.49
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	9	0.49
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	9	0.49
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	9	0.49
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	9	0.49
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	9	0.49
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	9	0.49
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	9	0.49
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	9	0.49
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	9	0.49
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	9	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	9	0.49
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	9	0.49
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	9	0.49
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	9	0.49
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	9	0.49
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.49
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.49
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.49
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.49
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.49
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.49
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.49
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.49
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.49
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.49
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.49
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.49
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.49
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.49
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.49
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.49
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.49
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.49
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.49
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.49
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.49
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.49
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.49
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.49
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.49
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.49
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.49
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	6	0.48
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	2	0.48
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	14	0.48
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	5	0.48
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	5	0.48
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.48
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.48
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.48
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	6	0.48
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	2	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	14	0.48
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	5	0.48
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	5	0.48
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.48
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.48
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.48
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	6	0.48
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	2	0.48
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	14	0.48
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	5	0.48
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	5	0.48
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.48
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.48
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.48
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	13	0.48
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	13	0.48
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	13	0.48
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	13	0.48
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	13	0.48
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	13	0.48
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	13	0.48
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	13	0.48
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	13	0.48
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	13	0.48
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	13	0.48
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	13	0.48
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	13	0.48
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	13	0.48
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	13	0.48
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	13	0.48
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	13	0.48
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	13	0.48
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	2	0.47
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	2	0.47
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	2	0.47
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	4	0.47
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	5	0.47
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	5	0.47
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	5	0.47
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	13	0.47
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	13	0.47
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	13	0.47
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	13	0.47
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	13	0.47
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	3	0.47
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	10	0.47
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	10	0.47
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	5	0.47
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	8	0.47
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.47
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.47
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.47
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.47
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.47
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.47
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	4	0.47
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	5	0.47
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	5	0.47
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	5	0.47
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	13	0.47
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	13	0.47
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	13	0.47
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	13	0.47
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	13	0.47
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	13	0.47
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	3	0.47
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	10	0.47
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	10	0.47
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	5	0.47
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	8	0.47
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.47
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.47
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.47
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.47
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.47
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.47
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	4	0.47
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	5	0.47
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	5	0.47
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	5	0.47
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	13	0.47
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	13	0.47
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	13	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	13	0.47
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	13	0.47
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	13	0.47
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	3	0.47
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	10	0.47
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	10	0.47
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	5	0.47
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	8	0.47
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.47
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.47
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.47
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.47
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.47
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.47
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	0.47
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	0.47
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	0.47
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	0.47
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	0.47
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	0.47
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	0.47
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	0.47
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	0.47
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	0.47
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	0.47
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	0.47
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	0.47
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	0.47
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	0.47
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	0.47
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	0.47
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	0.47
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	0.47
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	0.47
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	0.47
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	0.47
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	0.47
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	0.47
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	0.47
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	0.47
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	0.47
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	10	0.46
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	13	0.46
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	8	0.46
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	8	0.46
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	13	0.46
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	13	0.46
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	13	0.46
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.46
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.46
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.46
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.46
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.46
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.46
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	7	0.46
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	7	0.46
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	7	0.46
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	7	0.46
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	7	0.46
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	7	0.46
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.46
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.46
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.46
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.46
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.46
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.46
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.46
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.46
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.46
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	11	0.46
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.46
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.46
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.46
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.46
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.46
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.46
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	1	0.46
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	10	0.46
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	13	0.46
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	8	0.46
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	8	0.46
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	13	0.46
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	13	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	13	0.46
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.46
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.46
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.46
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.46
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.46
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.46
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	7	0.46
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	7	0.46
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	7	0.46
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	7	0.46
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	7	0.46
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	7	0.46
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.46
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.46
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.46
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.46
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.46
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.46
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.46
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.46
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.46
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	11	0.46
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.46
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.46
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.46
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.46
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.46
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.46
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	1	0.46
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	10	0.46
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	13	0.46
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	8	0.46
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	8	0.46
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	13	0.46
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	13	0.46
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	13	0.46
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.46
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.46
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.46
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.46
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.46
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	7	0.46
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	7	0.46
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	7	0.46
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	7	0.46
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	7	0.46
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	7	0.46
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.46
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.46
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.46
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.46
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.46
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.46
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.46
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.46
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.46
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	11	0.46
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.46
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.46
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.46
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.46
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.46
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.46
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	13	0.45
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	13	0.45
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	13	0.45
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	1	0.45
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.45
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	14	0.45
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	6	0.45
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	11	0.45
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	11	0.45
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	11	0.45
(1,921)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	10	0.45
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.45
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.45
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.45
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.45
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.45
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.45
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.45
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	1	0.45
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.45
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	14	0.45
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	6	0.45
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	11	0.45
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	11	0.45
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	11	0.45
(1,580)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	10	0.45
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.45
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.45
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.45
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.45
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.45
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.45
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.45
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	1	0.45
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.45
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	14	0.45
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	6	0.45
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	11	0.45
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	11	0.45
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	11	0.45
(1,239)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	10	0.45
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.45
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.45
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.45
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.45
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.45
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.45
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	2	0.44
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	11	0.44
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	6	0.44
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.44
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.44
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.44
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	7	0.44
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	7	0.44
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	7	0.44
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.44
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.44
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.44
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.44
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.44
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.44
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.44
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.44
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.44
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	2	0.44
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	11	0.44
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	6	0.44
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.44
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.44
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.44
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	7	0.44
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	7	0.44
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	7	0.44
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.44
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.44
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.44
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.44
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.44
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.44
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.44
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.44
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.44
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	2	0.44
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	11	0.44
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	6	0.44
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.44
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.44
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	7	0.44
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	7	0.44
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	7	0.44
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.44
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.44
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.44
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.44
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.44
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.44
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.44
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.44
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.44
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	0.44
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	0.44
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	0.44
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	0.44
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	0.44
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	0.44
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	0.44
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	0.44
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	0.44
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	0.44
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	0.44
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	0.44
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	0.44
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	0.44
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	0.44
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	0.44
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	0.44
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	0.44
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	0.44
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	0.44
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	0.44
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	0.44
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	0.44
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	0.44
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	0.44
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	0.44
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	0.44
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	2	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	2	0.43
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	2	0.43
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	10	0.43
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	3	0.43
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	3	0.43
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	3	0.43
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	3	0.43
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	3	0.43
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	3	0.43
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	6	0.43
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	6	0.43
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	6	0.43
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	7	0.43
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	7	0.43
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	7	0.43
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.43
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.43
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.43
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.43
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.43
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.43
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.43
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.43
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.43
(1,921)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	13	0.43
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	5	0.43
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	5	0.43
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	5	0.43
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.43
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.43
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.43
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.43
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.43
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.43
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	10	0.43
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	3	0.43
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	3	0.43
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	3	0.43
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	3	0.43
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	3	0.43
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	3	0.43
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	6	0.43
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	6	0.43
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	7	0.43
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	7	0.43
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	7	0.43
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.43
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.43
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.43
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.43
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.43
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.43
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.43
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.43
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.43
(1,580)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	13	0.43
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	5	0.43
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	5	0.43
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	5	0.43
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.43
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.43
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.43
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.43
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.43
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.43
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	10	0.43
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	3	0.43
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	3	0.43
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	3	0.43
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	3	0.43
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	3	0.43
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	3	0.43
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	6	0.43
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	6	0.43
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	6	0.43
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	7	0.43
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	7	0.43
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	7	0.43
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.43
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.43
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.43
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.43
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.43
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.43
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.43
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.43
(1,239)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	13	0.43
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	5	0.43
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	5	0.43
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	5	0.43
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.43
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.43
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.43
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.43
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.43
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.43
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	1	0.43
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	1	0.43
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	1	0.43
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	1	0.43
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	1	0.43
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	1	0.43
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	4	0.43
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	4	0.43
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	4	0.43
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	4	0.43
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	4	0.43
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	4	0.43
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	4	0.43
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	4	0.43
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	4	0.43
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	0.43
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	0.43
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	0.43
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	0.43
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	0.43
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	0.43
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	0.43
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	0.43
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	0.43
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	0.43
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	0.43
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	0.43
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	0.43
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	0.43
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	0.43
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	0.43
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	0.43
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	0.43
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	0.43
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	0.43
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	0.43
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	0.43
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	0.43
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	0.43
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	0.43
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	0.43
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	14	0.42
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	10	0.42
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	14	0.42
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	14	0.42
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	10	0.42
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	14	0.42
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	14	0.42
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	10	0.42
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	14	0.42
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.42
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	2	0.42
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	12	0.42
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	12	0.42
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	12	0.42
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	12	0.42
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	12	0.42
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	12	0.42
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	13	0.42
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	13	0.42
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	13	0.42
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	13	0.42
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	13	0.42
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	13	0.42
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	4	0.42
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	4	0.42
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	4	0.42
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.42
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.42
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.42
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.42
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.42
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	10	0.42
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	10	0.42
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	10	0.42
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	9	0.42
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.42
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.42
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	2	0.42
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	12	0.42
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	12	0.42
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	12	0.42
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	12	0.42
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	12	0.42
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	12	0.42
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	13	0.42
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	13	0.42
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	13	0.42
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	13	0.42
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	13	0.42
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	13	0.42
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	4	0.42
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	4	0.42
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	4	0.42
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.42
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.42
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.42
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.42
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.42
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.42
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	10	0.42
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	10	0.42
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	10	0.42
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	9	0.42
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.42
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.42
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	2	0.42
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	12	0.42
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	12	0.42
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	12	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	12	0.42
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	12	0.42
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	12	0.42
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	13	0.42
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	13	0.42
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	13	0.42
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	13	0.42
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	13	0.42
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	13	0.42
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	4	0.42
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	4	0.42
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	4	0.42
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.42
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.42
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.42
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.42
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.42
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.42
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	10	0.42
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	10	0.42
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	10	0.42
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	9	0.42
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.42
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	5	0.41
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	8	0.41
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	13	0.41
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	1	0.41
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	7	0.41
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	7	0.41
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	7	0.41
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	8	0.41
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.41
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.41
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.41
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.41
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.41
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.41
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.41
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.41
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.41
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.41
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.41
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.41
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.41
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.41
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.41
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	5	0.41
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	8	0.41
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	13	0.41
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	1	0.41
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	7	0.41
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	7	0.41
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	7	0.41
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	8	0.41
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.41
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.41
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.41
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.41
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.41
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.41
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.41
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.41
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.41
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.41
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.41
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.41
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.41
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.41
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.41
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.41
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	5	0.41
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	8	0.41
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	13	0.41
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	1	0.41
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	7	0.41
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	7	0.41
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	7	0.41
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	8	0.41
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.41
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.41
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.41
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.41
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.41
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.41
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.41
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.41
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.41
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.41
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.41
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.41
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.41
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.41
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.41
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	0.41
(1,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	0.41
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	0.41
(1,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	0.41
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	0.41
(1,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	0.41
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	0.41
(1,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	0.41
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	0.41
(1,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	0.41
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	0.41
(1,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	0.41
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	0.41
(1,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	0.41
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	0.41
(1,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	0.41
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	0.41
(1,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	0.41
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	0.41
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	0.41
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	0.41
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	0.41
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	0.41
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	0.41
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	0.41
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	0.41
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	0.41
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	0.41
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	0.41
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	0.41
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	0.41
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	0.41
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	0.41
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	0.41
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	0.41
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	0.41
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	0.41
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	0.41
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	0.41
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	0.41
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	0.41
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	0.41
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	0.41
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	0.41
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	3	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	6	0.4
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	6	0.4
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	4	0.4
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	3	0.4
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	2	0.4
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	2	0.4
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	2	0.4
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	2	0.4
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	2	0.4
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	2	0.4
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	10	0.4
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	10	0.4
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	10	0.4
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	10	0.4
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	10	0.4
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	10	0.4
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	2	0.4
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	2	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	2	0.4
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	11	0.4
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	11	0.4
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	11	0.4
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	11	0.4
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	11	0.4
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	11	0.4
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	1	0.4
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	1	0.4
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	11	0.4
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.4
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.4
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.4
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	4	0.4
(1,885)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.4
(1,885)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.4
(1,885)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.4
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	6	0.4
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	3	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	6	0.4
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	6	0.4
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	4	0.4
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	3	0.4
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	2	0.4
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	2	0.4
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	2	0.4
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	2	0.4
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	2	0.4
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	2	0.4
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	10	0.4
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	10	0.4
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	10	0.4
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	10	0.4
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	10	0.4
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	10	0.4
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	2	0.4
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	2	0.4
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	2	0.4
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	11	0.4
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	11	0.4
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	11	0.4
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	11	0.4
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	11	0.4
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	11	0.4
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	1	0.4
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	1	0.4
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	11	0.4
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.4
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.4
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.4
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	4	0.4
(1,544)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.4
(1,544)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.4
(1,544)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	6	0.4
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	3	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	6	0.4
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	6	0.4
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	4	0.4
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	3	0.4
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	2	0.4
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	2	0.4
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	2	0.4
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	2	0.4
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	2	0.4
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	2	0.4
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	10	0.4
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	10	0.4
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	10	0.4
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	10	0.4
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	10	0.4
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	10	0.4
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	2	0.4
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	2	0.4
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	2	0.4
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	11	0.4
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	11	0.4
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	11	0.4
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	11	0.4
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	11	0.4
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	11	0.4
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	1	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	1	0.4
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	11	0.4
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.4
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.4
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.4
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	4	0.4
(1,203)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.4
(1,203)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.4
(1,203)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.4
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	6	0.4
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	6	0.4
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	6	0.4
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	6	0.4
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	6	0.4
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	6	0.4
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	8	0.4
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	8	0.4
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	8	0.4
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	8	0.4
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	8	0.4
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	8	0.4
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	8	0.4
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	8	0.4
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	8	0.4
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	13	0.39
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	1	0.39
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	12	0.39
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	13	0.39
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	1	0.39
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	12	0.39
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	13	0.39
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	1	0.39
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	12	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	7	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	7	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	7	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	7	0.39
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	7	0.39
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	6	0.39
(1,1125)	1:774:C:LEU:H	1:764:C:SER:HA	2	0.39
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	6	0.39
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	11	0.39
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	9	0.39
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	9	0.39
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	9	0.39
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	9	0.39
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	9	0.39
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	9	0.39
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	14	0.39
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	10	0.39
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.39
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	10	0.39
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	10	0.39
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	10	0.39
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	8	0.39
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.39
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.39
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.39
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	9	0.39
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	9	0.39
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	9	0.39
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	5	0.39
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	5	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	7	0.39
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	7	0.39
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	6	0.39
(1,784)	1:774:C:LEU:H	1:764:C:SER:HA	2	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	6	0.39
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	11	0.39
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	9	0.39
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	9	0.39
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	9	0.39
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	9	0.39
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	9	0.39
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	9	0.39
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	14	0.39
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	10	0.39
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.39
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	10	0.39
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	10	0.39
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	10	0.39
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	8	0.39
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.39
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.39
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.39
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	9	0.39
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	9	0.39
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	9	0.39
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	5	0.39
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	5	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	7	0.39
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	7	0.39
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	6	0.39
(1,443)	1:774:C:LEU:H	1:764:C:SER:HA	2	0.39
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	6	0.39
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	11	0.39
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	9	0.39
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	9	0.39
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	9	0.39
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	9	0.39
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	9	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	9	0.39
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	14	0.39
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	10	0.39
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.39
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	10	0.39
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	10	0.39
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	10	0.39
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	8	0.39
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.39
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.39
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.39
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	9	0.39
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	9	0.39
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	9	0.39
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	5	0.39
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	5	0.39
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	13	0.38
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	13	0.38
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	13	0.38
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	13	0.38
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	13	0.38
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	13	0.38
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	2	0.38
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	13	0.38
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	1	0.38
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	1	0.38
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	1	0.38
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	1	0.38
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	1	0.38
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	1	0.38
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	15	0.38
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	15	0.38
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	15	0.38
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	15	0.38
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	15	0.38
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	15	0.38
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	11	0.38
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	11	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.38
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.38
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	8	0.38
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	8	0.38
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	8	0.38
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.38
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.38
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.38
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.38
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.38
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.38
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	2	0.38
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.38
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.38
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.38
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.38
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.38
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.38
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.38
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.38
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.38
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.38
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.38
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.38
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	13	0.38
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	13	0.38
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	2	0.38
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	13	0.38
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	1	0.38
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	1	0.38
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	1	0.38
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	1	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	1	0.38
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	1	0.38
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	15	0.38
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	15	0.38
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	15	0.38
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	15	0.38
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	15	0.38
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	15	0.38
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	11	0.38
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	11	0.38
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.38
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.38
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	8	0.38
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	8	0.38
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	8	0.38
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.38
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.38
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.38
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.38
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.38
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.38
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	2	0.38
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.38
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.38
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.38
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.38
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.38
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.38
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.38
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.38
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.38
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.38
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.38
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.38
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	13	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	13	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	13	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	13	0.38
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	13	0.38
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	2	0.38
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	13	0.38
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	1	0.38
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	1	0.38
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	1	0.38
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	1	0.38
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	1	0.38
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	1	0.38
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	15	0.38
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	15	0.38
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	15	0.38
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	15	0.38
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	15	0.38
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	15	0.38
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	11	0.38
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	11	0.38
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.38
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.38
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	8	0.38
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	8	0.38
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	8	0.38
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.38
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.38
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.38
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.38
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.38
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.38
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	2	0.38
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.38
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.38
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.38
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.38
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.38
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.38
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.38
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.38
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.38
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.38
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.38
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.38
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.38
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.38
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.38
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.38
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.38
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.38
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.38
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.38
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.38
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.38
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.38
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.38
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.38
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.38
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.38
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.38
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.38
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.38
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.38
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.38
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.38
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.38
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.38
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.38
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.38
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.38
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.38
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	10	0.37
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	10	0.37
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	4	0.37
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	5	0.37
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	13	0.37
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	13	0.37
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	13	0.37
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	13	0.37
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	13	0.37
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	13	0.37
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	6	0.37
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	6	0.37
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	6	0.37
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	7	0.37
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	7	0.37
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.37
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	10	0.37
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	10	0.37
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	10	0.37
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	10	0.37
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	10	0.37
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	10	0.37
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.37
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	9	0.37
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	9	0.37
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	9	0.37
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	9	0.37
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	9	0.37
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	9	0.37
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	2	0.37
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	2	0.37
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	2	0.37
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	2	0.37
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	2	0.37
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	2	0.37
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.37
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.37
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.37
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.37
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.37
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	10	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	10	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	10	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	10	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	10	0.37
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	10	0.37
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	9	0.37
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	4	0.37
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	5	0.37
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	13	0.37
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	13	0.37
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	13	0.37
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	13	0.37
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	13	0.37
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	13	0.37
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	6	0.37
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	6	0.37
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	6	0.37
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	7	0.37
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	7	0.37
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.37
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	10	0.37
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	10	0.37
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	10	0.37
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	10	0.37
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	10	0.37
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	10	0.37
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.37
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	9	0.37
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	9	0.37
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	9	0.37
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	9	0.37
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	9	0.37
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	9	0.37
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	2	0.37
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	2	0.37
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	2	0.37
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	2	0.37
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	2	0.37
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	2	0.37
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.37
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.37
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.37
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.37
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	10	0.37
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	10	0.37
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	9	0.37
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	4	0.37
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	5	0.37
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	13	0.37
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	13	0.37
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	13	0.37
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	13	0.37
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	13	0.37
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	13	0.37
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	6	0.37
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	6	0.37
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	6	0.37
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	7	0.37
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	7	0.37
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.37
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	10	0.37
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	10	0.37
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	10	0.37
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	10	0.37
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	10	0.37
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	10	0.37
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.37
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	9	0.37
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	9	0.37
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	9	0.37
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	9	0.37
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	9	0.37
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	9	0.37
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	2	0.37
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	2	0.37
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	2	0.37
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	2	0.37
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	2	0.37
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	2	0.37
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.37
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.37
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.37
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.37
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.37
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	3	0.36
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	13	0.36
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	10	0.36
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	14	0.36
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	3	0.36
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	13	0.36
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	10	0.36
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	14	0.36
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	3	0.36
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	13	0.36
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	10	0.36
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	14	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	8	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	8	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	8	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	8	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	8	0.36
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	8	0.36
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	7	0.36
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.36
(1,924)	1:693:C:ILE:HD11	1:697:C:ILE:H	7	0.36
(1,924)	1:693:C:ILE:HD12	1:697:C:ILE:H	7	0.36
(1,924)	1:693:C:ILE:HD13	1:697:C:ILE:H	7	0.36
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.36
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.36
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.36
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	15	0.36
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	15	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	8	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	8	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	8	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	8	0.36
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	8	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	8	0.36
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	7	0.36
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.36
(1,583)	1:693:C:ILE:HD11	1:697:C:ILE:H	7	0.36
(1,583)	1:693:C:ILE:HD12	1:697:C:ILE:H	7	0.36
(1,583)	1:693:C:ILE:HD13	1:697:C:ILE:H	7	0.36
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.36
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.36
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.36
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	15	0.36
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	15	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	8	0.36
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	8	0.36
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	7	0.36
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.36
(1,242)	1:693:C:ILE:HD11	1:697:C:ILE:H	7	0.36
(1,242)	1:693:C:ILE:HD12	1:697:C:ILE:H	7	0.36
(1,242)	1:693:C:ILE:HD13	1:697:C:ILE:H	7	0.36
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.36
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.36
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.36
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	15	0.36
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	15	0.36
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	2	0.36
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	2	0.36
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	2	0.36
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	2	0.36
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	2	0.36
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	2	0.36
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	2	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	2	0.36
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	2	0.36
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	2	0.36
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	2	0.36
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	2	0.36
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	9	0.36
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	9	0.36
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	9	0.36
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	9	0.36
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	9	0.36
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	9	0.36
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	10	0.36
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	10	0.36
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	10	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	10	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	10	0.36
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	10	0.36
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	10	0.36
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	10	0.36
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	10	0.36
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	12	0.35
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	12	0.35
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	12	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	2	0.35
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	2	0.35
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	9	0.35
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	14	0.35
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	4	0.35
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	4	0.35
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	4	0.35
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	4	0.35
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	4	0.35
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	4	0.35
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	3	0.35
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	3	0.35
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	3	0.35
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.35
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.35
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.35
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.35
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.35
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	8	0.35
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	8	0.35
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	8	0.35
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.35
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	4	0.35
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	4	0.35
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	4	0.35
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	4	0.35
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	4	0.35
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	4	0.35
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.35
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.35
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.35
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	14	0.35
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	14	0.35
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	14	0.35
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	3	0.35
(1,890)	1:683:C:ARG:HE	1:680:C:TRP:HE3	14	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	2	0.35
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	2	0.35
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	9	0.35
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	14	0.35
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	4	0.35
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	4	0.35
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	4	0.35
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	4	0.35
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	4	0.35
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	4	0.35
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	3	0.35
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	3	0.35
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	3	0.35
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.35
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.35
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.35
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.35
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.35
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	8	0.35
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	8	0.35
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	8	0.35
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.35
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	4	0.35
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	4	0.35
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	4	0.35
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	4	0.35
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	4	0.35
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	4	0.35
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.35
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.35
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.35
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	14	0.35
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	14	0.35
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	14	0.35
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	3	0.35
(1,549)	1:683:C:ARG:HE	1:680:C:TRP:HE3	14	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	2	0.35
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	2	0.35
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	9	0.35
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	14	0.35
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	4	0.35
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	4	0.35
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	4	0.35
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	4	0.35
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	4	0.35
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	4	0.35
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	3	0.35
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	3	0.35
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	3	0.35
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.35
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.35
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.35
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.35
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.35
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	8	0.35
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	8	0.35
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	8	0.35
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.35
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	4	0.35
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	4	0.35
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	4	0.35
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	4	0.35
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	4	0.35
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	4	0.35
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.35
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.35
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.35
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	14	0.35
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	14	0.35
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	14	0.35
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	3	0.35
(1,208)	1:683:C:ARG:HE	1:680:C:TRP:HE3	14	0.35
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	1	0.35
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	1	0.35
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	1	0.35
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	1	0.35
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	1	0.35
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	1	0.35
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	6	0.35
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	6	0.35
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	6	0.35
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	6	0.35
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	6	0.35
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	6	0.35
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	9	0.34
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	3	0.34
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	9	0.34
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	3	0.34
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	9	0.34
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	3	0.34
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB2	15	0.34
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB3	15	0.34
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	1	0.34
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	1	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	1	0.34
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	1	0.34
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	1	0.34
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	9	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	1	0.34
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	1	0.34
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	6	0.34
(1,1175)	1:782:C:VAL:HG21	1:779:C:THR:HA	3	0.34
(1,1175)	1:782:C:VAL:HG22	1:779:C:THR:HA	3	0.34
(1,1175)	1:782:C:VAL:HG23	1:779:C:THR:HA	3	0.34
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	2	0.34
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	8	0.34
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	8	0.34
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	8	0.34
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	11	0.34
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	11	0.34
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	11	0.34
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	11	0.34
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	11	0.34
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	11	0.34
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	5	0.34
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	5	0.34
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	5	0.34
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	8	0.34
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	8	0.34
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	8	0.34
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	14	0.34
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	14	0.34
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	5	0.34
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	5	0.34
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	5	0.34
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	5	0.34
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	5	0.34
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	5	0.34
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.34
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.34
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.34
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	8	0.34
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	8	0.34
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	8	0.34
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	8	0.34
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	8	0.34
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.34
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.34
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.34
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.34
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.34
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.34
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	7	0.34
(1,897)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.34
(1,897)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.34
(1,897)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.34
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB2	15	0.34
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB3	15	0.34
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	1	0.34
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	1	0.34
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	1	0.34
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	1	0.34
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	1	0.34
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	9	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	1	0.34
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	1	0.34
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	6	0.34
(1,834)	1:782:C:VAL:HG21	1:779:C:THR:HA	3	0.34
(1,834)	1:782:C:VAL:HG22	1:779:C:THR:HA	3	0.34
(1,834)	1:782:C:VAL:HG23	1:779:C:THR:HA	3	0.34
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	2	0.34
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	8	0.34
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	8	0.34
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	8	0.34
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	11	0.34
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	11	0.34
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	11	0.34
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	11	0.34
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	11	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	11	0.34
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	5	0.34
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	5	0.34
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	5	0.34
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	8	0.34
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	8	0.34
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	8	0.34
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	14	0.34
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	14	0.34
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	5	0.34
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	5	0.34
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	5	0.34
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	5	0.34
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	5	0.34
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	5	0.34
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.34
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.34
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.34
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	8	0.34
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	8	0.34
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	8	0.34
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	8	0.34
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	8	0.34
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	8	0.34
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.34
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.34
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.34
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.34
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.34
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.34
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	7	0.34
(1,556)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.34
(1,556)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.34
(1,556)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.34
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB2	15	0.34
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB3	15	0.34
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	1	0.34
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	1	0.34
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	1	0.34
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	1	0.34
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	1	0.34
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	1	0.34
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	1	0.34
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	6	0.34
(1,493)	1:782:C:VAL:HG21	1:779:C:THR:HA	3	0.34
(1,493)	1:782:C:VAL:HG22	1:779:C:THR:HA	3	0.34
(1,493)	1:782:C:VAL:HG23	1:779:C:THR:HA	3	0.34
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	2	0.34
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	8	0.34
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	8	0.34
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	8	0.34
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	11	0.34
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	11	0.34
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	11	0.34
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	11	0.34
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	11	0.34
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	11	0.34
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	5	0.34
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	5	0.34
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	5	0.34
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	8	0.34
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	8	0.34
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	8	0.34
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	14	0.34
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	14	0.34
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	5	0.34
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	5	0.34
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	5	0.34
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	5	0.34
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	5	0.34
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	5	0.34
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.34
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.34
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.34
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	8	0.34
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	8	0.34
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	8	0.34
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	8	0.34
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	8	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	8	0.34
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.34
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.34
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.34
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.34
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.34
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.34
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	7	0.34
(1,215)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.34
(1,215)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.34
(1,215)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.34
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	1	0.33
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	1	0.33
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	1	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	5	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	5	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	5	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	5	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	5	0.33
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	5	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	7	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	7	0.33
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	7	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	6	0.33
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	6	0.33
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	7	0.33
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.33
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	11	0.33
(1,1114)	1:771:C:LEU:HD11	1:764:C:SER:HA	8	0.33
(1,1114)	1:771:C:LEU:HD12	1:764:C:SER:HA	8	0.33
(1,1114)	1:771:C:LEU:HD13	1:764:C:SER:HA	8	0.33
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	6	0.33
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	6	0.33
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	6	0.33
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	6	0.33
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	6	0.33
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	6	0.33
(1,1108)	1:763:C:LEU:HD11	1:764:C:SER:HG	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1108)	1:763:C:LEU:HD12	1:764:C:SER:HG	10	0.33
(1,1108)	1:763:C:LEU:HD13	1:764:C:SER:HG	10	0.33
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	5	0.33
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	9	0.33
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	6	0.33
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	6	0.33
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	6	0.33
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	6	0.33
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	6	0.33
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	6	0.33
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.33
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	5	0.33
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	5	0.33
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	5	0.33
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	5	0.33
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	5	0.33
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	5	0.33
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.33
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.33
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.33
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.33
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.33
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.33
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	4	0.33
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.33
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.33
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.33
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.33
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	4	0.33
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	4	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	5	0.33
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	5	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	7	0.33
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	7	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	6	0.33
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	6	0.33
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	7	0.33
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.33
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	11	0.33
(1,773)	1:771:C:LEU:HD11	1:764:C:SER:HA	8	0.33
(1,773)	1:771:C:LEU:HD12	1:764:C:SER:HA	8	0.33
(1,773)	1:771:C:LEU:HD13	1:764:C:SER:HA	8	0.33
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	6	0.33
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	6	0.33
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	6	0.33
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	6	0.33
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	6	0.33
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	6	0.33
(1,767)	1:763:C:LEU:HD11	1:764:C:SER:HG	10	0.33
(1,767)	1:763:C:LEU:HD12	1:764:C:SER:HG	10	0.33
(1,767)	1:763:C:LEU:HD13	1:764:C:SER:HG	10	0.33
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	5	0.33
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	9	0.33
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	6	0.33
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	6	0.33
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	6	0.33
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	6	0.33
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	6	0.33
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	6	0.33
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.33
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	5	0.33
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	5	0.33
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	5	0.33
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	5	0.33
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	5	0.33
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	5	0.33
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.33
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.33
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.33
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.33
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.33
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	4	0.33
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.33
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.33
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.33
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.33
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	4	0.33
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	4	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	5	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	5	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	5	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	5	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	5	0.33
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	5	0.33
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	7	0.33
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	7	0.33
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	7	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	6	0.33
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	6	0.33
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	7	0.33
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.33
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	11	0.33
(1,432)	1:771:C:LEU:HD11	1:764:C:SER:HA	8	0.33
(1,432)	1:771:C:LEU:HD12	1:764:C:SER:HA	8	0.33
(1,432)	1:771:C:LEU:HD13	1:764:C:SER:HA	8	0.33
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	6	0.33
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	6	0.33
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	6	0.33
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	6	0.33
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	6	0.33
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	6	0.33
(1,426)	1:763:C:LEU:HD11	1:764:C:SER:HG	10	0.33
(1,426)	1:763:C:LEU:HD12	1:764:C:SER:HG	10	0.33
(1,426)	1:763:C:LEU:HD13	1:764:C:SER:HG	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	5	0.33
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	9	0.33
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	6	0.33
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	6	0.33
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	6	0.33
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	6	0.33
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	6	0.33
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	6	0.33
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.33
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	5	0.33
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	5	0.33
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	5	0.33
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	5	0.33
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	5	0.33
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	5	0.33
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.33
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.33
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.33
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.33
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.33
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.33
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	4	0.33
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.33
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.33
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.33
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.33
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	4	0.33
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	4	0.33
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	0.33
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	0.33
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	0.33
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	0.33
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	0.33
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	0.33
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	0.33
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	0.33
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	0.33
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	0.33
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	0.33
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	0.33
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	0.33
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	0.33
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	0.33
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	0.33
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	0.33
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	0.33
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	0.33
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	0.33
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	0.33
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	0.33
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	0.33
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	0.33
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	0.33
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	0.33
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	1	0.32
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.32
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	7	0.32
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	1	0.32
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.32
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	7	0.32
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	1	0.32
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	13	0.32
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	7	0.32
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	5	0.32
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	11	0.32
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	10	0.32
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	2	0.32
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	2	0.32
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	2	0.32
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	7	0.32
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	12	0.32
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	1	0.32
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	1	0.32
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	1	0.32
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	1	0.32
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	1	0.32
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	1	0.32
(1,1088)	1:754:C:ALA:HB1	1:753:C:LEU:HD21	3	0.32
(1,1088)	1:754:C:ALA:HB1	1:753:C:LEU:HD22	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1088)	1:754:C:ALA:HB1	1:753:C:LEU:HD23	3	0.32
(1,1088)	1:754:C:ALA:HB2	1:753:C:LEU:HD21	3	0.32
(1,1088)	1:754:C:ALA:HB2	1:753:C:LEU:HD22	3	0.32
(1,1088)	1:754:C:ALA:HB2	1:753:C:LEU:HD23	3	0.32
(1,1088)	1:754:C:ALA:HB3	1:753:C:LEU:HD21	3	0.32
(1,1088)	1:754:C:ALA:HB3	1:753:C:LEU:HD22	3	0.32
(1,1088)	1:754:C:ALA:HB3	1:753:C:LEU:HD23	3	0.32
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.32
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.32
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	4	0.32
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	2	0.32
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	2	0.32
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	2	0.32
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	11	0.32
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	6	0.32
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	6	0.32
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	6	0.32
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	6	0.32
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	6	0.32
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	6	0.32
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.32
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.32
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.32
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.32
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.32
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.32
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.32
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.32
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.32
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.32
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.32
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	5	0.32
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	11	0.32
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	10	0.32
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	2	0.32
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	2	0.32
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	2	0.32
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	7	0.32
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	12	0.32
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	1	0.32
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	1	0.32
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	1	0.32
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	1	0.32
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	1	0.32
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	1	0.32
(1,747)	1:754:C:ALA:HB1	1:753:C:LEU:HD21	3	0.32
(1,747)	1:754:C:ALA:HB1	1:753:C:LEU:HD22	3	0.32
(1,747)	1:754:C:ALA:HB1	1:753:C:LEU:HD23	3	0.32
(1,747)	1:754:C:ALA:HB2	1:753:C:LEU:HD21	3	0.32
(1,747)	1:754:C:ALA:HB2	1:753:C:LEU:HD22	3	0.32
(1,747)	1:754:C:ALA:HB2	1:753:C:LEU:HD23	3	0.32
(1,747)	1:754:C:ALA:HB3	1:753:C:LEU:HD21	3	0.32
(1,747)	1:754:C:ALA:HB3	1:753:C:LEU:HD22	3	0.32
(1,747)	1:754:C:ALA:HB3	1:753:C:LEU:HD23	3	0.32
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.32
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.32
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	4	0.32
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	2	0.32
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	2	0.32
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	2	0.32
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	11	0.32
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	6	0.32
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	6	0.32
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	6	0.32
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	6	0.32
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	6	0.32
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	6	0.32
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.32
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.32
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.32
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.32
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.32
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.32
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.32
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.32
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.32
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.32
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	5	0.32
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	11	0.32
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	10	0.32
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	2	0.32
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	2	0.32
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	2	0.32
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	7	0.32
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	12	0.32
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	1	0.32
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	1	0.32
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	1	0.32
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	1	0.32
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	1	0.32
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	1	0.32
(1,406)	1:754:C:ALA:HB1	1:753:C:LEU:HD21	3	0.32
(1,406)	1:754:C:ALA:HB1	1:753:C:LEU:HD22	3	0.32
(1,406)	1:754:C:ALA:HB1	1:753:C:LEU:HD23	3	0.32
(1,406)	1:754:C:ALA:HB2	1:753:C:LEU:HD21	3	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,406)	1:754:C:ALA:HB2	1:753:C:LEU:HD22	3	0.32
(1,406)	1:754:C:ALA:HB2	1:753:C:LEU:HD23	3	0.32
(1,406)	1:754:C:ALA:HB3	1:753:C:LEU:HD21	3	0.32
(1,406)	1:754:C:ALA:HB3	1:753:C:LEU:HD22	3	0.32
(1,406)	1:754:C:ALA:HB3	1:753:C:LEU:HD23	3	0.32
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.32
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.32
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	4	0.32
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	2	0.32
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	2	0.32
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	2	0.32
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	11	0.32
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	6	0.32
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	6	0.32
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	6	0.32
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	6	0.32
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	6	0.32
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	6	0.32
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.32
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.32
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.32
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.32
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.32
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	15	0.32
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	15	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	15	0.32
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	15	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	15	0.32
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	15	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.32
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.32
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	8	0.32
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	8	0.32
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	8	0.32
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	6	0.32
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	6	0.32
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	6	0.32
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	6	0.32
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	6	0.32
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	6	0.32
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	6	0.32
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	6	0.32
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	6	0.32
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	6	0.32
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	6	0.32
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	6	0.32
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	6	0.32
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	6	0.32
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	6	0.32
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	6	0.32
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	6	0.32
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	6	0.32
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	13	0.32
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	13	0.32
(1,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	13	0.32
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	13	0.32
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	13	0.32
(1,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	13	0.32
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	13	0.32
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	13	0.32
(1,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	13	0.32
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	13	0.32
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	13	0.32
(1,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	13	0.32
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	13	0.32
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	13	0.32
(1,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	13	0.32
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	13	0.32
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	13	0.32
(1,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	13	0.32
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	13	0.32
(1,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	13	0.32
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	13	0.32
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	13	0.32
(1,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	13	0.32
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	13	0.32
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	13	0.32
(1,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	13	0.32
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.31
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	8	0.31
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	10	0.31
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	15	0.31
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.31
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	8	0.31
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	10	0.31
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	15	0.31
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	7	0.31
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	8	0.31
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	10	0.31
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	15	0.31
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	15	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	2	0.31
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	2	0.31
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	9	0.31
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	15	0.31
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	15	0.31
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	15	0.31
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	15	0.31
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	15	0.31
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	15	0.31
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	2	0.31
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	2	0.31
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD2	1	0.31
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD3	1	0.31
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.31
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.31
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.31
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.31
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.31
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.31
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.31
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	14	0.31
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	2	0.31
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	2	0.31
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	2	0.31
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	2	0.31
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	2	0.31
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	2	0.31
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.31
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.31
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.31
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.31
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.31
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	15	0.31
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	15	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	2	0.31
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	2	0.31
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	9	0.31
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	15	0.31
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	15	0.31
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	15	0.31
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	15	0.31
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	15	0.31
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	15	0.31
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	2	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	2	0.31
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	12	0.31
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD2	1	0.31
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD3	1	0.31
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.31
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.31
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.31
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.31
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.31
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.31
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.31
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	14	0.31
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	2	0.31
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	2	0.31
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	2	0.31
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	2	0.31
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	2	0.31
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	2	0.31
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.31
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.31
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.31
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.31
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.31
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	15	0.31
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	15	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	2	0.31
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	2	0.31
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	9	0.31
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	15	0.31
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	15	0.31
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	15	0.31
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	15	0.31
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	15	0.31
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	2	0.31
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	2	0.31
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	12	0.31
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD2	1	0.31
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD3	1	0.31
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.31
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.31
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.31
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.31
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.31
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.31
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.31
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	14	0.31
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	2	0.31
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	2	0.31
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	2	0.31
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	2	0.31
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	2	0.31
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	2	0.31
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.31
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.31
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.31
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.31
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.31
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.31
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	10	0.31
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	10	0.31
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	10	0.31
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	10	0.31
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	10	0.31
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	10	0.31
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	1	0.31
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	1	0.31
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	1	0.31
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	1	0.31
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	1	0.31
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	1	0.31
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	12	0.31
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	12	0.31
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	12	0.31
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	12	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	12	0.31
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	12	0.31
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	12	0.31
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	12	0.31
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	12	0.31
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	12	0.31
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	12	0.31
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	12	0.31
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	12	0.31
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	12	0.31
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	12	0.31
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	12	0.31
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	12	0.31
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	12	0.31
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.31
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.31
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.31
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.31
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.31
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.31
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.31
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.31
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.31
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.31
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.31
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.31
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.31
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.31
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.31
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.31
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.31
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.31
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	8	0.3
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	7	0.3
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	8	0.3
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	8	0.3
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	7	0.3
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	8	0.3
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	8	0.3
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	7	0.3
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	8	0.3
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	4	0.3
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	8	0.3
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	5	0.3
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	3	0.3
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	14	0.3
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	14	0.3
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	14	0.3
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.3
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.3
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.3
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	4	0.3
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	4	0.3
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	4	0.3
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	4	0.3
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	4	0.3
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	4	0.3
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.3
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.3
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.3
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.3
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.3
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.3
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	11	0.3
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	11	0.3
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	11	0.3
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.3
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	3	0.3
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	3	0.3
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	3	0.3
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	3	0.3
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	3	0.3
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	3	0.3
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB2	10	0.3
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB3	10	0.3
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB2	10	0.3
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB3	10	0.3
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB2	10	0.3
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB3	10	0.3
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	4	0.3
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	4	0.3
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	4	0.3
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.3
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.3
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.3
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.3
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.3
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.3
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.3
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.3
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.3
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.3
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.3
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.3
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.3
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.3
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.3
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.3
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.3
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.3
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.3
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.3
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	4	0.3
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	4	0.3
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	8	0.3
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	5	0.3
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	3	0.3
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	14	0.3
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	14	0.3
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	14	0.3
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.3
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.3
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.3
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	4	0.3
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	4	0.3
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	4	0.3
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	4	0.3
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	4	0.3
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	4	0.3
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.3
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.3
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.3
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.3
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.3
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	11	0.3
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	11	0.3
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	11	0.3
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.3
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	3	0.3
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	3	0.3
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	3	0.3
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	3	0.3
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	3	0.3
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	3	0.3
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	10	0.3
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB3	10	0.3
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB2	10	0.3
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB3	10	0.3
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB2	10	0.3
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB3	10	0.3
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	4	0.3
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	4	0.3
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	4	0.3
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.3
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.3
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.3
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.3
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.3
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.3
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.3
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.3
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.3
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.3
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.3
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.3
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.3
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.3
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.3
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.3
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.3
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.3
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.3
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.3
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.3
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	4	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	4	0.3
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	8	0.3
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	5	0.3
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	3	0.3
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	14	0.3
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	14	0.3
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	14	0.3
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	10	0.3
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.3
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.3
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	4	0.3
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	4	0.3
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	4	0.3
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	4	0.3
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	4	0.3
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	4	0.3
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.3
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.3
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.3
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.3
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.3
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.3
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	11	0.3
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	11	0.3
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	11	0.3
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	11	0.3
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	3	0.3
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	3	0.3
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	3	0.3
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	3	0.3
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	3	0.3
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	3	0.3
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	10	0.3
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	10	0.3
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	10	0.3
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	10	0.3
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	10	0.3
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	10	0.3
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	4	0.3
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	4	0.3
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	4	0.3
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.3
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.3
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.3
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.3
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.3
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.3
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.3
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.3
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.3
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.3
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.3
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.3
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.3
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.3
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.3
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.3
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.3
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.3
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.3
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	5	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	5	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	9	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	9	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	11	0.3
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	11	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	5	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	5	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	9	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	9	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	11	0.3
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	11	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	5	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	5	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	9	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	9	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	11	0.3
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	11	0.3
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	10	0.3
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	10	0.3
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	10	0.3
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	10	0.3
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	10	0.3
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	10	0.3
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	10	0.3
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	10	0.3
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	10	0.3
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	10	0.3
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	10	0.3
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	10	0.3
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	10	0.3
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	10	0.3
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	10	0.3
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	10	0.3
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	10	0.3
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	6	0.29
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	8	0.29
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	15	0.29
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	6	0.29
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	9	0.29
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	6	0.29
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	8	0.29
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	15	0.29
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	6	0.29
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	9	0.29
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	6	0.29
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	8	0.29
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	15	0.29
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	6	0.29
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	9	0.29
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	13	0.29
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	13	0.29
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.29
(1,1215)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.29
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.29
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	3	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	4	0.29
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	4	0.29
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	12	0.29
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	13	0.29
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.29
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	13	0.29
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	13	0.29
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	13	0.29
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	13	0.29
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	13	0.29
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	13	0.29
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	15	0.29
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	15	0.29
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	15	0.29
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	15	0.29
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	15	0.29
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	15	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	1	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	1	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	3	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	3	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	6	0.29
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	6	0.29
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.29
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.29
(1,1032)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.29
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.29
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	12	0.29
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	12	0.29
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	12	0.29
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	12	0.29
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	12	0.29
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	12	0.29
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	4	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	4	0.29
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	4	0.29
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	4	0.29
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	4	0.29
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	4	0.29
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.29
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.29
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.29
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	5	0.29
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	5	0.29
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	5	0.29
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	5	0.29
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	5	0.29
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	5	0.29
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	5	0.29
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.29
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	9	0.29
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	11	0.29
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	11	0.29
(1,881)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	13	0.29
(1,881)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	13	0.29
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	13	0.29
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	13	0.29
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.29
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.29
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.29
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	3	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	4	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	4	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	4	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	4	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	4	0.29
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	4	0.29
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	12	0.29
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	13	0.29
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.29
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	13	0.29
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	13	0.29
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	13	0.29
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	13	0.29
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	13	0.29
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	13	0.29
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	15	0.29
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	15	0.29
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	15	0.29
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	15	0.29
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	15	0.29
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	15	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	1	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	1	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	3	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	3	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	6	0.29
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	6	0.29
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.29
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.29
(1,691)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.29
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.29
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	12	0.29
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	12	0.29
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	12	0.29
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	12	0.29
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	12	0.29
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	4	0.29
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	4	0.29
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	4	0.29
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	4	0.29
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	4	0.29
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	4	0.29
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.29
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.29
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.29
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	5	0.29
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	5	0.29
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	5	0.29
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	5	0.29
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	5	0.29
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	5	0.29
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	5	0.29
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.29
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	9	0.29
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	11	0.29
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	11	0.29
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	13	0.29
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	13	0.29
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	13	0.29
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	13	0.29
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB2	3	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB3	3	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	11	0.29
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	11	0.29
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	3	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	4	0.29
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	4	0.29
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	12	0.29
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	13	0.29
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.29
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	13	0.29
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	13	0.29
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	13	0.29
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	13	0.29
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	13	0.29
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	13	0.29
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	15	0.29
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	15	0.29
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	15	0.29
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	15	0.29
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	15	0.29
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	15	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	1	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	1	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	3	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	3	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	6	0.29
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	6	0.29
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.29
(1,350)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.29
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.29
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	12	0.29
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	12	0.29
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	12	0.29
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	12	0.29
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	12	0.29
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	12	0.29
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	4	0.29
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	4	0.29
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	4	0.29
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	4	0.29
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	4	0.29
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	4	0.29
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.29
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.29
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.29
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	5	0.29
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	5	0.29
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	5	0.29
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	5	0.29
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	5	0.29
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	5	0.29
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	5	0.29
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.29
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	9	0.29
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	11	0.29
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	11	0.29
(1,199)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	13	0.29
(1,199)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	13	0.29
(1,199)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	13	0.29
(1,199)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,199)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	13	0.29
(1,199)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	13	0.29
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	3	0.29
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	3	0.29
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	3	0.29
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	3	0.29
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	3	0.29
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	3	0.29
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	13	0.29
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	13	0.29
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	13	0.29
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	13	0.29
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	13	0.29
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	13	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.29
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.29
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.29
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.29
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.29
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.29
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.29
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.29
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.29
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.29
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	8	0.28
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	11	0.28
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	10	0.28
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	4	0.28
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	11	0.28
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	8	0.28
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	11	0.28
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	10	0.28
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	4	0.28
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	11	0.28
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	8	0.28
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	11	0.28
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	10	0.28
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	4	0.28
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	11	0.28
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	9	0.28
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	9	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	5	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	5	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	14	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	14	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	15	0.28
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	15	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	6	0.28
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	6	0.28
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	3	0.28
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	3	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	10	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	10	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	10	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	10	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	10	0.28
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	10	0.28
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	14	0.28
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	4	0.28
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	4	0.28
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	4	0.28
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	3	0.28
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	4	0.28
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	14	0.28
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	3	0.28
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	3	0.28
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	3	0.28
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	3	0.28
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	3	0.28
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	3	0.28
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	15	0.28
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	14	0.28
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	14	0.28
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	14	0.28
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	14	0.28
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	14	0.28
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	14	0.28
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	10	0.28
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	10	0.28
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	1	0.28
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	15	0.28
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	15	0.28
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	15	0.28
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.28
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.28
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.28
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.28
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.28
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.28
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.28
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	4	0.28
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	4	0.28
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	4	0.28
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	4	0.28
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	4	0.28
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	4	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	4	0.28
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.28
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.28
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	1	0.28
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	5	0.28
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	5	0.28
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	5	0.28
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	5	0.28
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	5	0.28
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	5	0.28
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	9	0.28
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	9	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	5	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	5	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	14	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	14	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	15	0.28
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	15	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	6	0.28
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	6	0.28
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	3	0.28
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	3	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	10	0.28
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	10	0.28
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	14	0.28
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	4	0.28
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	4	0.28
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	4	0.28
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	3	0.28
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	4	0.28
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	14	0.28
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	3	0.28
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	3	0.28
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	3	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	3	0.28
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	3	0.28
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	3	0.28
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	15	0.28
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	14	0.28
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	14	0.28
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	14	0.28
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	14	0.28
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	14	0.28
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	14	0.28
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	10	0.28
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	10	0.28
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	1	0.28
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	15	0.28
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	15	0.28
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	15	0.28
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.28
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.28
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.28
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.28
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.28
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.28
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.28
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	4	0.28
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	4	0.28
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	4	0.28
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	4	0.28
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	4	0.28
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	4	0.28
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	4	0.28
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.28
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.28
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	1	0.28
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	5	0.28
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	5	0.28
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	5	0.28
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	5	0.28
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	5	0.28
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	5	0.28
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	9	0.28
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	9	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	5	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	14	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	14	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	15	0.28
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	15	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	6	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	6	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	6	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	6	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	6	0.28
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	6	0.28
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	3	0.28
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	3	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	10	0.28
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	10	0.28
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	14	0.28
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	4	0.28
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	4	0.28
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	4	0.28
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	3	0.28
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	4	0.28
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	14	0.28
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	3	0.28
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	3	0.28
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	3	0.28
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	3	0.28
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	3	0.28
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	3	0.28
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	15	0.28
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	14	0.28
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	14	0.28
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	14	0.28
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	14	0.28
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	14	0.28
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	14	0.28
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	10	0.28
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	10	0.28
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	1	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	15	0.28
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	15	0.28
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	15	0.28
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.28
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.28
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.28
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.28
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.28
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.28
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.28
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	4	0.28
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	4	0.28
(1,301)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	4	0.28
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	4	0.28
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	4	0.28
(1,301)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	4	0.28
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	4	0.28
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	4	0.28
(1,301)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	4	0.28
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	1	0.28
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	5	0.28
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	5	0.28
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	5	0.28
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	5	0.28
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	5	0.28
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	5	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	13	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	13	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	14	0.28
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	14	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	13	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	13	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	14	0.28
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	14	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	13	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	13	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	14	0.28
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	14	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	3	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	3	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	3	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	14	0.28
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	14	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	3	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	3	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	3	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	14	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	14	0.28
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	14	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	3	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	3	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	3	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	14	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	14	0.28
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	14	0.28
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	9	0.27
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	6	0.27
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	12	0.27
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	9	0.27
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	6	0.27
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	12	0.27
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	9	0.27
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	6	0.27
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	12	0.27
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	6	0.27
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	6	0.27
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	4	0.27
(1,1203)	1:793:C:LEU:H	1:790:C:TRP:HE3	12	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	14	0.27
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	14	0.27
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	5	0.27
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	5	0.27
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	5	0.27
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	5	0.27
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	5	0.27
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	5	0.27
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	5	0.27
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	5	0.27
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	5	0.27

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	6	0.27
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	12	0.27
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	12	0.27
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	6	0.27
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	6	0.27
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	4	0.27
(1,862)	1:793:C:LEU:H	1:790:C:TRP:HE3	12	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	14	0.27
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	14	0.27
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	5	0.27
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	5	0.27
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	5	0.27
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	5	0.27
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	5	0.27
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	5	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	5	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	5	0.27
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	5	0.27
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	5	0.27
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	5	0.27
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	5	0.27
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	7	0.27

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	12	0.27
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	12	0.27
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	6	0.27
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	6	0.27
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	4	0.27
(1,521)	1:793:C:LEU:H	1:790:C:TRP:HE3	12	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	14	0.27
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	14	0.27
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	5	0.27
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	5	0.27
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	5	0.27
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	5	0.27
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	5	0.27
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	5	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	5	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	5	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	5	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	5	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	5	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	5	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	7	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	7	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	7	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	7	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	7	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	11	0.27
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	11	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	11	0.27
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	11	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	11	0.27
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	11	0.27
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	7	0.27
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	7	0.27
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	7	0.27
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	11	0.27
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	11	0.27
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	11	0.27
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	15	0.27
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	15	0.27
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	15	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD11	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD12	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD13	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD21	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD22	2	0.27
(1,328)	1:707:C:ARG:HE	1:704:C:LEU:HD23	2	0.27
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	8	0.27
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	5	0.27
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	5	0.27
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	5	0.27
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	5	0.27
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	5	0.27
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	5	0.27
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.27
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.27
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.27
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	6	0.27
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	6	0.27
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	6	0.27
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.27
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.27
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.27
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.27
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.27
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	12	0.27
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	12	0.27
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	12	0.27
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	12	0.27
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	12	0.27
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	12	0.27
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.27
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.27
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.27
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.27
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	10	0.27
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	10	0.27
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	4	0.27
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	4	0.27
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	4	0.27
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	4	0.27
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	4	0.27
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	4	0.27
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	4	0.26
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	11	0.26
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	3	0.26
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	5	0.26
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	4	0.26
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	11	0.26
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	3	0.26
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	5	0.26
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	4	0.26
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	11	0.26
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	3	0.26
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	5	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	4	0.26
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	4	0.26
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	13	0.26
(1,1205)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	13	0.26
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	15	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	5	0.26
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	5	0.26
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	1	0.26
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	2	0.26
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	2	0.26
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	12	0.26
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	10	0.26
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	10	0.26
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	10	0.26
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	15	0.26
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	15	0.26
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	15	0.26
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	9	0.26
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	9	0.26
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	15	0.26
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	15	0.26
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	11	0.26
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.26
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.26
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.26
(1,1020)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.26
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	15	0.26
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.26
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.26
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.26
(1,989)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.26
(1,989)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.26
(1,989)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.26
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	4	0.26
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	15	0.26
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	15	0.26
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	15	0.26
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	15	0.26
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	15	0.26
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	15	0.26
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.26
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	6	0.26
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	6	0.26
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	6	0.26
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.26
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.26
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.26
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.26
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.26
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	11	0.26
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	11	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	11	0.26
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	11	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	11	0.26
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	11	0.26
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.26
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.26
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.26
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.26
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.26
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.26
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.26
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.26
(1,891)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	6	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	6	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	6	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	6	0.26
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	6	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.26
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.26
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.26
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.26
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	4	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	4	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	4	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	4	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	4	0.26
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	4	0.26
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	13	0.26
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	13	0.26
(1,864)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	13	0.26
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	15	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	5	0.26
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	5	0.26
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	1	0.26
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	2	0.26
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	2	0.26
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	12	0.26
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	10	0.26
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	10	0.26
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	10	0.26
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	15	0.26
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	15	0.26
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	15	0.26
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	9	0.26
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	9	0.26
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	15	0.26
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	15	0.26
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	11	0.26
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.26
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.26
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,679)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.26
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	15	0.26
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.26
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.26
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.26
(1,648)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.26
(1,648)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.26
(1,648)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.26
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	4	0.26
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	15	0.26
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	15	0.26
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	15	0.26
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	15	0.26
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	15	0.26
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	15	0.26
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	15	0.26
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.26
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	6	0.26
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	6	0.26
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	6	0.26
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.26
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.26
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.26
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.26
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.26
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	11	0.26
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	11	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	11	0.26
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	11	0.26
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	11	0.26
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.26
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.26
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.26
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.26
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.26
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.26
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.26
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.26
(1,550)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	6	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	6	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	6	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	6	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	6	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	6	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.26
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.26
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.26
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	4	0.26
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	4	0.26
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD11	13	0.26
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD12	13	0.26
(1,523)	1:796:C:TRP:HE1	1:799:C:LEU:HD13	13	0.26
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	15	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	5	0.26
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	5	0.26
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	1	0.26
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	2	0.26
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	12	0.26
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	10	0.26
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	10	0.26
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	10	0.26
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	15	0.26
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	15	0.26
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	15	0.26
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	9	0.26
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	9	0.26
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	15	0.26
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	15	0.26
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	11	0.26
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	8	0.26
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	8	0.26
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	8	0.26
(1,338)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.26
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	15	0.26
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.26
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.26
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.26
(1,307)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.26
(1,307)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.26
(1,307)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.26
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	4	0.26
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	15	0.26
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	15	0.26
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	15	0.26
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	15	0.26
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	15	0.26
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	15	0.26
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	15	0.26
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.26
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	6	0.26
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	6	0.26
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	6	0.26
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.26
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.26
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.26
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.26
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.26
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	11	0.26
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	11	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	11	0.26
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	11	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	11	0.26
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	11	0.26
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.26
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.26
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.26
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.26
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.26
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.26
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.26
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.26
(1,209)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.26
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	6	0.26
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	6	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	6	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	6	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	6	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	6	0.26
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.26
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.26
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.26
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.26
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	4	0.26
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	4	0.26
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	4	0.26
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	4	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	4	0.26
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	4	0.26
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.26
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.26
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.26
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.26
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.26
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.26
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.26
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.26
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.26
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.26
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.26
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.26
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.26
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.26
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.26
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.26
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.26
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.26
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	1	0.25
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	3	0.25
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	7	0.25
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	5	0.25
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.25
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	1	0.25
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	3	0.25
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	7	0.25
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	5	0.25
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.25
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	1	0.25
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	3	0.25
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	7	0.25
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	5	0.25
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	15	0.25
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	15	0.25
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	15	0.25
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	3	0.25
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	3	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	13	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	15	0.25
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	15	0.25
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	5	0.25
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	5	0.25
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	5	0.25
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	8	0.25
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	9	0.25
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	8	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	4	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	4	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	4	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	4	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	4	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	4	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	6	0.25
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	6	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	6	0.25
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	6	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	6	0.25
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	6	0.25
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	5	0.25
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	3	0.25
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	3	0.25
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	3	0.25
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	3	0.25
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	3	0.25
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	3	0.25
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.25
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	4	0.25
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	4	0.25
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	1	0.25
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	1	0.25
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	1	0.25
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	1	0.25
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	1	0.25
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	10	0.25
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	10	0.25
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	10	0.25
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	3	0.25
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	13	0.25
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	13	0.25
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	13	0.25
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	13	0.25
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	13	0.25
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	13	0.25
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.25
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.25
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.25
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.25
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.25
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.25
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	1	0.25
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	1	0.25
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	1	0.25
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	1	0.25
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	1	0.25
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	1	0.25
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	9	0.25
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	8	0.25
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	8	0.25
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	8	0.25
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	8	0.25
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	8	0.25
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	8	0.25
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.25
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.25
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.25
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.25
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.25
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.25
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.25
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.25
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.25
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.25
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.25
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.25
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.25
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.25
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.25
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.25
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.25
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.25
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.25
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.25
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.25
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	15	0.25
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	15	0.25
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	3	0.25
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	3	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	13	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	15	0.25
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	15	0.25
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	5	0.25
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	5	0.25
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	5	0.25
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	8	0.25
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	9	0.25
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	8	0.25
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	4	0.25
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	4	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	4	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	4	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	4	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	4	0.25
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	6	0.25
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	6	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	6	0.25
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	6	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	6	0.25
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	6	0.25
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	5	0.25
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	3	0.25
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	3	0.25
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	3	0.25
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	3	0.25
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	3	0.25
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	3	0.25
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.25
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	4	0.25
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	4	0.25
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	1	0.25
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	1	0.25
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	1	0.25
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	1	0.25
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	1	0.25
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	1	0.25
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	10	0.25
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	10	0.25
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	10	0.25
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	3	0.25
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	13	0.25
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	13	0.25
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	13	0.25
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	13	0.25
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	13	0.25
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	13	0.25
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.25
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.25
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.25
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.25
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.25
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.25
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	1	0.25
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	1	0.25
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	1	0.25
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	1	0.25
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	1	0.25
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	9	0.25
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	8	0.25
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	8	0.25
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	8	0.25
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	8	0.25
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	8	0.25
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	8	0.25
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.25
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.25
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.25
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.25
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.25
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.25
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.25
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.25
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.25
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.25
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.25
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.25
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.25
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.25
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.25
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.25
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.25
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.25
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.25
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.25
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.25
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	15	0.25
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	15	0.25
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	3	0.25
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	3	0.25
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	13	0.25

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	1	0.25
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	1	0.25
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	1	0.25
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	10	0.25
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	10	0.25
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	10	0.25
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	3	0.25
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	13	0.25
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	13	0.25
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	13	0.25
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	13	0.25
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	13	0.25
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	13	0.25
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	7	0.25
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	7	0.25
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	7	0.25
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	7	0.25
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	7	0.25
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	7	0.25
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	1	0.25
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	1	0.25
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	1	0.25
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	1	0.25
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	1	0.25
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	1	0.25
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	9	0.25
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	8	0.25
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	8	0.25
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	8	0.25
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	8	0.25
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	8	0.25
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	8	0.25
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.25
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.25
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.25
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.25
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.25
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.25
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.25
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.25
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.25
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.25
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.25
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.25
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.25
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.25
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.25
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.25
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.25
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.25
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.25
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.25
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.25
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.25
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.25
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.25
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.25
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.25
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	8	0.25
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	8	0.25
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	8	0.25
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	8	0.25
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	8	0.25
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	8	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	8	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	8	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	12	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	12	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	14	0.25
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	14	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	8	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	8	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	12	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	12	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	14	0.25
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	14	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	8	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	8	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	12	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	12	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	14	0.25
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	14	0.25
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	15	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	15	0.25
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	15	0.25
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	15	0.25
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	15	0.25
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	15	0.25
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	7	0.25
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	7	0.25
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	7	0.25
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	7	0.25
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	7	0.25
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	7	0.25
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	7	0.25
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	7	0.25
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	7	0.25
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	3	0.24
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	5	0.24
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	5	0.24
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	15	0.24
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	11	0.24
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	3	0.24
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	5	0.24
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	5	0.24
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	15	0.24
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	11	0.24
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	3	0.24
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	5	0.24
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	5	0.24
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	15	0.24
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	11	0.24
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	8	0.24
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	8	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	11	0.24
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	11	0.24
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	1	0.24
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	7	0.24
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	1	0.24
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	1	0.24
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	1	0.24
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	1	0.24
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	1	0.24
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	6	0.24
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	6	0.24
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	6	0.24
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	6	0.24
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	6	0.24
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	6	0.24
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	11	0.24
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	11	0.24
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	6	0.24
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	12	0.24
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	13	0.24
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	7	0.24
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	7	0.24
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	7	0.24
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	8	0.24
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	8	0.24
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	8	0.24
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	8	0.24
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	8	0.24
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	8	0.24
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	12	0.24
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	12	0.24
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	12	0.24
(1,978)	1:704:C:LEU:H	1:704:C:LEU:HB3	6	0.24
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.24
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.24
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.24
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.24
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.24
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.24
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.24
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.24
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.24
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.24
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.24
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.24
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.24
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.24
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	6	0.24
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	6	0.24
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	6	0.24
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	2	0.24
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	2	0.24
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	2	0.24
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.24
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.24
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.24
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.24
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.24
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.24
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.24
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.24
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.24
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.24
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.24
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.24
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.24
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.24
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.24
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.24
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.24
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	8	0.24
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	8	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	11	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	11	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	11	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	11	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	11	0.24
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	11	0.24
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	1	0.24
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	7	0.24
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	1	0.24
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	1	0.24
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	1	0.24
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	1	0.24
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	1	0.24
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	1	0.24
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	6	0.24
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	6	0.24
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	6	0.24
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	6	0.24
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	6	0.24
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	6	0.24
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	11	0.24
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	11	0.24
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	6	0.24
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	12	0.24
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	13	0.24
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	7	0.24
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	7	0.24
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	7	0.24
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	8	0.24
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	8	0.24
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	8	0.24
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	8	0.24
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	8	0.24
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	8	0.24
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	12	0.24
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	12	0.24
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,637)	1:704:C:LEU:H	1:704:C:LEU:HB3	6	0.24
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.24
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.24
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.24
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.24
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.24
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.24
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.24
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.24
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.24
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.24
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.24
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.24
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.24
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.24
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.24
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	6	0.24
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	6	0.24
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	6	0.24
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	2	0.24
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	2	0.24
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	2	0.24
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.24
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.24
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.24
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.24
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.24
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.24
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.24
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.24
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.24
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.24
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.24
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.24
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.24
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.24
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.24
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.24
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.24
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.24
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	8	0.24
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	8	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	11	0.24
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	11	0.24
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	1	0.24
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	7	0.24
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	1	0.24
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	1	0.24
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	1	0.24
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	1	0.24
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	1	0.24
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	1	0.24
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	6	0.24
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	6	0.24
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	6	0.24
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	6	0.24
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	6	0.24
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	6	0.24
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	11	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	11	0.24
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	6	0.24
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	12	0.24
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	13	0.24
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	7	0.24
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	7	0.24
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	7	0.24
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	8	0.24
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	8	0.24
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	8	0.24
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	8	0.24
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	8	0.24
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	8	0.24
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	12	0.24
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	12	0.24
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	12	0.24
(1,296)	1:704:C:LEU:H	1:704:C:LEU:HB3	6	0.24
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	7	0.24
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	7	0.24
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	7	0.24
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	7	0.24
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	7	0.24
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	7	0.24
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	7	0.24
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	7	0.24
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	7	0.24
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.24
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.24
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.24
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.24
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.24
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.24
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	6	0.24
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	6	0.24
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	6	0.24
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	2	0.24
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	2	0.24
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	2	0.24
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.24
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.24
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.24
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.24
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.24
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.24
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.24
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.24
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.24
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.24
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.24
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.24
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.24
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.24
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.24
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.24
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.24
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.24
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	7	0.24
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	7	0.24
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	7	0.24
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	7	0.24
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	7	0.24
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	7	0.24
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.24

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.24
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.24
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.24
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.24
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.24
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.24
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.24
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.24
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.24
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.24
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.24
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.24
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.24
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.24
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	7	0.24
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	7	0.24
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	7	0.24
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	7	0.24
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	7	0.24
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	7	0.24
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.24
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.24
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.24
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.24
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.24
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.24
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	7	0.24
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	7	0.24
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	7	0.24
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	7	0.24
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	7	0.24
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	7	0.24
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.24
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.24
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.24
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.24
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.24
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.24
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	7	0.24
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	7	0.24
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	7	0.24
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	7	0.24
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	7	0.24
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	10	0.23
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	5	0.23
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	7	0.23
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	10	0.23
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	5	0.23
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	7	0.23
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	10	0.23
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	5	0.23
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	7	0.23
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.23
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	2	0.23
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	2	0.23
(1,1154)	1:779:C:THR:H	1:776:C:LEU:HA	10	0.23
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	12	0.23
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	12	0.23
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	12	0.23
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	7	0.23
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	7	0.23
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	7	0.23
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	7	0.23
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	7	0.23
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	7	0.23
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	15	0.23
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	15	0.23
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	15	0.23
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	15	0.23
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	15	0.23
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	15	0.23
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	3	0.23
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	3	0.23
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	3	0.23
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	4	0.23
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	4	0.23
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	4	0.23
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	12	0.23
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	12	0.23
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	4	0.23
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	4	0.23
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	4	0.23
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	4	0.23
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	4	0.23
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	4	0.23
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	7	0.23
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	14	0.23
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	9	0.23
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.23
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.23
(1,1052)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.23
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	10	0.23
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	10	0.23
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	10	0.23
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	10	0.23
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	10	0.23
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	10	0.23
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	13	0.23
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	13	0.23
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	13	0.23
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	13	0.23
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	13	0.23
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	13	0.23
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	2	0.23
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	2	0.23
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	2	0.23
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	2	0.23
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	2	0.23
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	2	0.23
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	8	0.23
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	8	0.23
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	8	0.23
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	8	0.23
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	8	0.23
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	8	0.23
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.23
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	3	0.23
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	3	0.23
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	3	0.23
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	1	0.23
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	1	0.23
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	1	0.23
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	1	0.23
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	1	0.23
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	15	0.23
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	15	0.23
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	15	0.23
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	15	0.23
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	15	0.23
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	15	0.23
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	7	0.23
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	7	0.23
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	7	0.23
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	7	0.23
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	7	0.23
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	7	0.23
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.23
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.23
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.23
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	10	0.23
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	10	0.23
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	10	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	2	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	2	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	2	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	2	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	2	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	2	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	4	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	4	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	4	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	4	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	4	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	4	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	9	0.23
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	9	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	9	0.23
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	9	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	9	0.23
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	9	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.23
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.23
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.23
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.23
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	14	0.23
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	14	0.23
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.23
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	2	0.23
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	2	0.23
(1,813)	1:779:C:THR:H	1:776:C:LEU:HA	10	0.23
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	12	0.23
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	12	0.23
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	12	0.23
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	7	0.23
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	7	0.23
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	7	0.23
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	7	0.23
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	7	0.23
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	7	0.23
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	15	0.23
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	15	0.23
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	15	0.23
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	15	0.23
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	15	0.23
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	15	0.23
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	3	0.23
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	3	0.23
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	4	0.23
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	4	0.23
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	4	0.23
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	12	0.23
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	12	0.23
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	12	0.23
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	4	0.23
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	4	0.23
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	4	0.23
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	4	0.23
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	4	0.23
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	4	0.23
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	7	0.23
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	14	0.23
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	9	0.23
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.23
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.23
(1,711)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.23
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	10	0.23
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	10	0.23
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	10	0.23
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	10	0.23
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	10	0.23
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	10	0.23
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	13	0.23
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	13	0.23
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	13	0.23
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	13	0.23
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	13	0.23
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	13	0.23
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	2	0.23
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	2	0.23
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	2	0.23
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	2	0.23
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	2	0.23
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	2	0.23
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	8	0.23
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	8	0.23
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	8	0.23
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	8	0.23
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	8	0.23
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.23
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	3	0.23
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	3	0.23
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	3	0.23
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	1	0.23
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	1	0.23
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	1	0.23
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	1	0.23
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	1	0.23
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	1	0.23
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	15	0.23
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	15	0.23
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	15	0.23
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	15	0.23
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	15	0.23
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	15	0.23
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	7	0.23
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	7	0.23
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	7	0.23
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	7	0.23
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	7	0.23
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	7	0.23
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.23
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.23
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.23
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	10	0.23
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	10	0.23
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	10	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	2	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	2	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	2	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	2	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	2	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	2	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	4	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	4	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	4	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	4	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	4	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	9	0.23
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	9	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	9	0.23
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	9	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	9	0.23
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	9	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.23
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.23
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.23
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.23
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	14	0.23
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	14	0.23
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	6	0.23
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	2	0.23
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	2	0.23
(1,472)	1:779:C:THR:H	1:776:C:LEU:HA	10	0.23
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	12	0.23
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	12	0.23
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	12	0.23
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	7	0.23
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	7	0.23
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	7	0.23
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	7	0.23
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	7	0.23
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	15	0.23
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	15	0.23
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	15	0.23
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	15	0.23
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	15	0.23
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	15	0.23
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	3	0.23
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	3	0.23
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	3	0.23
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	4	0.23
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	4	0.23
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	4	0.23
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	12	0.23
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	12	0.23
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	12	0.23
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	4	0.23
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	4	0.23
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	4	0.23
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	4	0.23
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	4	0.23
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	4	0.23
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	7	0.23
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	14	0.23
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	9	0.23
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.23
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.23
(1,370)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.23
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	10	0.23
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	10	0.23
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	10	0.23
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	10	0.23
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	10	0.23
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	10	0.23
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	13	0.23
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	13	0.23
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	13	0.23
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	13	0.23
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	13	0.23
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	13	0.23
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	2	0.23
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	2	0.23
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	2	0.23
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	2	0.23
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	2	0.23
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	8	0.23
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	8	0.23
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	8	0.23
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	8	0.23
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	8	0.23
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	8	0.23
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.23
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	3	0.23
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	3	0.23
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	3	0.23
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	1	0.23
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	1	0.23
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	1	0.23
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	1	0.23
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	1	0.23
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	1	0.23
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	15	0.23
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	15	0.23
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	15	0.23
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	15	0.23
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	15	0.23
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	15	0.23
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	7	0.23
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	7	0.23
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	7	0.23
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	7	0.23
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	7	0.23
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	7	0.23
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.23
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.23
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.23
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	10	0.23
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	10	0.23
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	10	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	2	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	2	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	2	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	2	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	2	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	4	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	4	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	4	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	4	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	4	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	4	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	9	0.23
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	9	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	9	0.23
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	9	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	9	0.23
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	9	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.23
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.23
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.23
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.23
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	14	0.23
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	14	0.23
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	6	0.23
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	6	0.23
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	6	0.23
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	6	0.23
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	6	0.23
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	11	0.23
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	11	0.23
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	11	0.23
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	11	0.23
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	11	0.23
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	11	0.23
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	2	0.23
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	2	0.23
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	2	0.23
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	2	0.23
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	2	0.23
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	2	0.23
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	1	0.23
(1,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	1	0.23
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	1	0.23
(1,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	1	0.23
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	1	0.23
(1,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	1	0.23
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	1	0.23
(1,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	1	0.23
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	1	0.23
(1,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	1	0.23
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	1	0.23
(1,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	1	0.23
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	1	0.23
(1,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	1	0.23
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	1	0.23
(1,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	1	0.23
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	1	0.23
(1,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	1	0.23
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.23
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.23
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.23
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.23
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.23
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.23
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.23
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.23
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.23
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.23
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.23
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.23
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.23
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.23
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.23
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.23
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.23
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.23
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.23
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.23
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.23
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.23
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.23
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.23
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.23
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.23
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.23
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.23
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.23
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.23
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.23
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.23
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.23
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.23
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.23
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	0.23
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	0.23
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	0.23
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	0.23
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	0.23
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	0.23
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	0.23
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	0.23
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	0.23
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	0.23
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	0.23
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	0.23
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	0.23
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	0.23
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	0.23
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	0.23
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	0.23
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	15	0.22
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	6	0.22
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	12	0.22
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	9	0.22
(2,173)	1:790:B:TRP:O	1:794:B:LYS:H	6	0.22
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	15	0.22
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	6	0.22
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	12	0.22
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	9	0.22
(2,87)	1:790:B:TRP:O	1:794:B:LYS:H	6	0.22
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	15	0.22
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	6	0.22
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	12	0.22
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	9	0.22
(2,1)	1:790:B:TRP:O	1:794:B:LYS:H	6	0.22
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	11	0.22
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	11	0.22
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	4	0.22
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	4	0.22
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	2	0.22
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	2	0.22
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	15	0.22
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	15	0.22
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	10	0.22
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	10	0.22
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	10	0.22
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	3	0.22
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	1	0.22
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	1	0.22
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	1	0.22
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	4	0.22
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	4	0.22
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	4	0.22
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	9	0.22
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	9	0.22
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	9	0.22
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD2	14	0.22
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD3	14	0.22
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	7	0.22
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	7	0.22
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	7	0.22
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	7	0.22
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	7	0.22
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	4	0.22
(1,1108)	1:763:C:LEU:HD11	1:764:C:SER:HG	9	0.22
(1,1108)	1:763:C:LEU:HD12	1:764:C:SER:HG	9	0.22
(1,1108)	1:763:C:LEU:HD13	1:764:C:SER:HG	9	0.22
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	8	0.22
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	8	0.22
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	8	0.22
(1,1105)	1:760:C:LEU:HD21	1:768:C:TYR:HE1	1	0.22
(1,1105)	1:760:C:LEU:HD21	1:768:C:TYR:HE2	1	0.22
(1,1105)	1:760:C:LEU:HD22	1:768:C:TYR:HE1	1	0.22
(1,1105)	1:760:C:LEU:HD22	1:768:C:TYR:HE2	1	0.22
(1,1105)	1:760:C:LEU:HD23	1:768:C:TYR:HE1	1	0.22
(1,1105)	1:760:C:LEU:HD23	1:768:C:TYR:HE2	1	0.22
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	11	0.22
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	11	0.22
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	11	0.22
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	11	0.22
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	11	0.22
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	11	0.22
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	11	0.22
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	5	0.22
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	5	0.22
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	5	0.22
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	13	0.22
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	13	0.22
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	13	0.22
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.22
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.22
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	12	0.22
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	12	0.22
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.22
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.22
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.22
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.22
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.22
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.22
(1,993)	1:705:C:VAL:HG21	1:702:C:LEU:HG	3	0.22
(1,993)	1:705:C:VAL:HG22	1:702:C:LEU:HG	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,993)	1:705:C:VAL:HG23	1:702:C:LEU:HG	3	0.22
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.22
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.22
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.22
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.22
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.22
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.22
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	3	0.22
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.22
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	6	0.22
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	10	0.22
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.22
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.22
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.22
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.22
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.22
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.22
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.22
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.22
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.22
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.22
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.22
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.22
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.22
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.22
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	11	0.22
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	4	0.22
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	4	0.22
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	2	0.22
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	2	0.22
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	15	0.22
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	15	0.22
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	10	0.22
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	10	0.22
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	10	0.22
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	3	0.22
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	1	0.22
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	1	0.22
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	1	0.22
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	4	0.22
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	4	0.22
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	4	0.22
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	9	0.22
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	9	0.22
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	9	0.22
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD2	14	0.22
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD3	14	0.22
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	7	0.22
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	7	0.22
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	7	0.22
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	7	0.22
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	7	0.22
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	7	0.22
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	4	0.22
(1,767)	1:763:C:LEU:HD11	1:764:C:SER:HG	9	0.22
(1,767)	1:763:C:LEU:HD12	1:764:C:SER:HG	9	0.22
(1,767)	1:763:C:LEU:HD13	1:764:C:SER:HG	9	0.22
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	8	0.22
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	8	0.22
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	8	0.22
(1,764)	1:760:C:LEU:HD21	1:768:C:TYR:HE1	1	0.22
(1,764)	1:760:C:LEU:HD21	1:768:C:TYR:HE2	1	0.22
(1,764)	1:760:C:LEU:HD22	1:768:C:TYR:HE1	1	0.22
(1,764)	1:760:C:LEU:HD22	1:768:C:TYR:HE2	1	0.22
(1,764)	1:760:C:LEU:HD23	1:768:C:TYR:HE1	1	0.22
(1,764)	1:760:C:LEU:HD23	1:768:C:TYR:HE2	1	0.22
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	11	0.22
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	11	0.22
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	11	0.22
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	11	0.22
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	11	0.22
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	11	0.22
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	5	0.22
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	5	0.22
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	5	0.22
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	13	0.22
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	13	0.22
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	13	0.22
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.22
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.22
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	12	0.22
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	12	0.22
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.22
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.22
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.22
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.22
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.22
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.22
(1,652)	1:705:C:VAL:HG21	1:702:C:LEU:HG	3	0.22
(1,652)	1:705:C:VAL:HG22	1:702:C:LEU:HG	3	0.22
(1,652)	1:705:C:VAL:HG23	1:702:C:LEU:HG	3	0.22
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.22
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.22
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.22
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.22
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.22
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.22
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	3	0.22
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.22
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	6	0.22
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	10	0.22
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.22
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.22
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.22
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.22
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.22
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.22
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.22
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.22
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.22
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.22
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.22
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.22
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.22
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.22
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	11	0.22
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	11	0.22
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	4	0.22
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	4	0.22
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	2	0.22
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	2	0.22
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	15	0.22
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	15	0.22
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	10	0.22
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	10	0.22
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	10	0.22
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	3	0.22
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	1	0.22
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	1	0.22
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	1	0.22
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	4	0.22
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	4	0.22
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	4	0.22
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	9	0.22
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	9	0.22
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD2	14	0.22
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD3	14	0.22
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	7	0.22
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	7	0.22
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	7	0.22
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	7	0.22
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	7	0.22
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	7	0.22
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	4	0.22
(1,426)	1:763:C:LEU:HD11	1:764:C:SER:HG	9	0.22
(1,426)	1:763:C:LEU:HD12	1:764:C:SER:HG	9	0.22
(1,426)	1:763:C:LEU:HD13	1:764:C:SER:HG	9	0.22
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	8	0.22
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	8	0.22
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	8	0.22
(1,423)	1:760:C:LEU:HD21	1:768:C:TYR:HE1	1	0.22
(1,423)	1:760:C:LEU:HD21	1:768:C:TYR:HE2	1	0.22
(1,423)	1:760:C:LEU:HD22	1:768:C:TYR:HE1	1	0.22
(1,423)	1:760:C:LEU:HD22	1:768:C:TYR:HE2	1	0.22
(1,423)	1:760:C:LEU:HD23	1:768:C:TYR:HE1	1	0.22
(1,423)	1:760:C:LEU:HD23	1:768:C:TYR:HE2	1	0.22
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	11	0.22
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	11	0.22
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	11	0.22
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	11	0.22
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	11	0.22
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	11	0.22
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	11	0.22
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	5	0.22
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	5	0.22
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	5	0.22
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	13	0.22
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	13	0.22
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	13	0.22
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.22
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.22
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	12	0.22
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	12	0.22
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.22
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.22
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.22
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.22
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.22
(1,311)	1:705:C:VAL:HG21	1:702:C:LEU:HG	3	0.22
(1,311)	1:705:C:VAL:HG22	1:702:C:LEU:HG	3	0.22
(1,311)	1:705:C:VAL:HG23	1:702:C:LEU:HG	3	0.22
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.22
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.22
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.22
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.22
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.22
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.22
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	3	0.22
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.22
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	6	0.22
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	10	0.22
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.22
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.22
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.22
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.22
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.22
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.22
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.22
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.22
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.22
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.22
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.22
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.22
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	3	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	3	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	6	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	6	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	15	0.22
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	15	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	3	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	3	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	6	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	6	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	15	0.22
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	15	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	3	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	3	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	6	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	6	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	15	0.22
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	15	0.22
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	7	0.22
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	7	0.22
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	7	0.22
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.22
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.22
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.22
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.22
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.22
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.22
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.22
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.22
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.22
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.22
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.22
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.22
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.22
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.22
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.22
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.22
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.22
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.22
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.22

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	8	0.21
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	13	0.21
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	9	0.21
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	4	0.21
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	8	0.21
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	12	0.21
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	8	0.21
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	2	0.21
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	8	0.21
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	13	0.21
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	9	0.21
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	4	0.21
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	8	0.21
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	12	0.21
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	8	0.21
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	2	0.21
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	8	0.21
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	6	0.21
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	6	0.21
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	10	0.21
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	10	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	5	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	9	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	11	0.21
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	11	0.21
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD11	3	0.21
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD12	3	0.21
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD13	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	11	0.21
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	9	0.21
(1,1129)	1:775:C:LEU:H	1:772:C:ARG:HA	1	0.21
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	14	0.21
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	14	0.21
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	14	0.21
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	14	0.21
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	14	0.21
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	14	0.21
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD2	12	0.21
(1,1067)	1:748:C:LEU:H	1:744:C:ARG:HD3	12	0.21
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	6	0.21
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	6	0.21
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	6	0.21
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB2	11	0.21
(1,1018)	1:708:C:VAL:HG21	1:745:C:SER:HB3	11	0.21
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB2	11	0.21
(1,1018)	1:708:C:VAL:HG22	1:745:C:SER:HB3	11	0.21
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB2	11	0.21
(1,1018)	1:708:C:VAL:HG23	1:745:C:SER:HB3	11	0.21
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	3	0.21
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	3	0.21
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	3	0.21
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	3	0.21
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	3	0.21
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	3	0.21
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.21
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	7	0.21
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	7	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	9	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	9	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	9	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	9	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	9	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	9	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.21
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.21
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.21
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.21
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	8	0.21
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	8	0.21
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	8	0.21
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	8	0.21
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	8	0.21
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	8	0.21
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.21
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.21
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.21
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	3	0.21
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	3	0.21
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	3	0.21
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	3	0.21
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	3	0.21
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	3	0.21
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	11	0.21
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	11	0.21
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	11	0.21
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	11	0.21
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	11	0.21
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	11	0.21
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.21
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.21
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.21
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.21
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.21
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.21
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.21
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.21
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.21
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.21
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.21
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.21
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.21
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.21
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.21
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.21
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.21
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.21
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.21
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.21
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.21
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.21
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.21
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.21
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.21
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.21
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.21
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.21
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.21
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.21
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.21
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.21
(1,881)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	1	0.21
(1,881)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	1	0.21
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	6	0.21
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	6	0.21
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	10	0.21
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	10	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	5	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	9	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	11	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	11	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	11	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	11	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	11	0.21
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	11	0.21
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD11	3	0.21
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD12	3	0.21
(1,875)	1:819:C:ALA:H	1:820:C:ILE:HD13	3	0.21
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	11	0.21
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	9	0.21
(1,788)	1:775:C:LEU:H	1:772:C:ARG:HA	1	0.21
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	14	0.21
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	14	0.21
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	14	0.21
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	14	0.21
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	14	0.21
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	14	0.21
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD2	12	0.21
(1,726)	1:748:C:LEU:H	1:744:C:ARG:HD3	12	0.21
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	6	0.21
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	6	0.21
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	6	0.21
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB2	11	0.21
(1,677)	1:708:C:VAL:HG21	1:745:C:SER:HB3	11	0.21
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB2	11	0.21
(1,677)	1:708:C:VAL:HG22	1:745:C:SER:HB3	11	0.21
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB2	11	0.21
(1,677)	1:708:C:VAL:HG23	1:745:C:SER:HB3	11	0.21
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	3	0.21
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	3	0.21
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	3	0.21
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	3	0.21
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	3	0.21
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.21
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	7	0.21
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	7	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	9	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	9	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	9	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	9	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	9	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	9	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.21
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.21
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.21
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.21
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	8	0.21
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	8	0.21
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	8	0.21
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	8	0.21
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	8	0.21
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	8	0.21
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	8	0.21
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.21
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.21
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.21
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	3	0.21
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	3	0.21
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	3	0.21
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	3	0.21
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	3	0.21
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	3	0.21
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	11	0.21
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	11	0.21
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	11	0.21
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	11	0.21
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	11	0.21
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	11	0.21
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.21
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.21
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.21
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.21
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.21
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.21
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.21
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.21
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.21
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.21
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.21
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.21
(1,561)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.21
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.21
(1,561)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.21
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.21
(1,561)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.21
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.21
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.21
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.21
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.21
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.21
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.21
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.21
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.21
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.21
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.21
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.21
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.21
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.21
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.21
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.21
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	1	0.21
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	1	0.21
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	6	0.21
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	6	0.21
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	10	0.21
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	10	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	5	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	9	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	11	0.21
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	11	0.21
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD11	3	0.21
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD12	3	0.21
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD13	3	0.21
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	11	0.21
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	9	0.21
(1,447)	1:775:C:LEU:H	1:772:C:ARG:HA	1	0.21
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	14	0.21
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	14	0.21
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	14	0.21
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	14	0.21
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	14	0.21
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	14	0.21
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD2	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,385)	1:748:C:LEU:H	1:744:C:ARG:HD3	12	0.21
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	6	0.21
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	6	0.21
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	6	0.21
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB2	11	0.21
(1,336)	1:708:C:VAL:HG21	1:745:C:SER:HB3	11	0.21
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB2	11	0.21
(1,336)	1:708:C:VAL:HG22	1:745:C:SER:HB3	11	0.21
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB2	11	0.21
(1,336)	1:708:C:VAL:HG23	1:745:C:SER:HB3	11	0.21
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	3	0.21
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	3	0.21
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	3	0.21
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	3	0.21
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	3	0.21
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	3	0.21
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.21
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	7	0.21
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	7	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	9	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	9	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	9	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	9	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	9	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	9	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	14	0.21
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	14	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	14	0.21
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	14	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	14	0.21
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	14	0.21
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	8	0.21
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	8	0.21
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	8	0.21
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	8	0.21
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	8	0.21
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	8	0.21
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	8	0.21
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.21
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.21
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.21
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	3	0.21
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	3	0.21
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	3	0.21
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	3	0.21
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	3	0.21
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	11	0.21
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	11	0.21
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	11	0.21
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	11	0.21
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	11	0.21
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	11	0.21
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.21
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.21
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.21
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.21
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.21
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.21
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.21
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.21
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.21
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.21
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.21
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.21
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.21
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.21
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.21
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.21
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.21
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.21
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.21
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.21
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.21
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.21
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.21
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.21
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.21
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.21
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.21
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.21
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.21
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.21
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.21

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.21
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.21
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.21
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.21
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.21
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.21
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.21
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.21
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.21
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.21
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.21
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.21
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.21
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.21
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.21
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.21
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.21
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.21
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.21
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.21
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.21
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.21
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.21
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.21

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	14	0.2
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	1	0.2
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	1	0.2
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	1	0.2
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	9	0.2
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	9	0.2
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	9	0.2
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	6	0.2
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	6	0.2
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	6	0.2
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	6	0.2
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	6	0.2
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	6	0.2
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB2	4	0.2
(1,1082)	1:754:C:ALA:H	1:750:C:ASN:HB3	4	0.2
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	2	0.2
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	2	0.2
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	2	0.2
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	2	0.2
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	2	0.2
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	2	0.2
(1,1059)	1:746:C:ILE:HD11	1:743:C:ASP:HA	12	0.2
(1,1059)	1:746:C:ILE:HD12	1:743:C:ASP:HA	12	0.2
(1,1059)	1:746:C:ILE:HD13	1:743:C:ASP:HA	12	0.2
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	11	0.2
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	11	0.2
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	11	0.2
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	11	0.2
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	11	0.2
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	11	0.2
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	4	0.2
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	5	0.2
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	8	0.2
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	8	0.2
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	8	0.2
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	14	0.2
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	14	0.2
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	14	0.2
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	11	0.2
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	11	0.2
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	11	0.2
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	11	0.2
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	11	0.2
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	12	0.2
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	12	0.2
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	12	0.2
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	4	0.2
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.2
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.2
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.2
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.2
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.2
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.2
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	5	0.2
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	5	0.2
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	5	0.2
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	13	0.2
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	13	0.2
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	13	0.2
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.2
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.2
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.2
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.2
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.2
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.2
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.2
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.2
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.2
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.2
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.2
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.2
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.2
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.2
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.2
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.2
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.2
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.2
(1,889)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	2	0.2
(1,889)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	2	0.2
(1,889)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	2	0.2
(1,889)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	2	0.2
(1,889)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	2	0.2
(1,889)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.2
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.2
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.2
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.2
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.2
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.2
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.2
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB2	11	0.2
(1,874)	1:817:C:ALA:H	1:816:C:ASN:HB3	11	0.2
(1,866)	1:797:C:TRP:H	1:796:C:TRP:HD1	1	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	9	0.2
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	9	0.2
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	13	0.2
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	13	0.2
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	13	0.2
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	13	0.2
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	13	0.2
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	13	0.2
(1,823)	1:781:C:ILE:H	1:778:C:VAL:HA	8	0.2
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	14	0.2
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	14	0.2
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	14	0.2
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	3	0.2
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	11	0.2
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.2
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	14	0.2
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	1	0.2
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	1	0.2
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	1	0.2
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	9	0.2
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	9	0.2
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	9	0.2
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	6	0.2
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	6	0.2
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	6	0.2
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	6	0.2
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	6	0.2
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB2	4	0.2
(1,741)	1:754:C:ALA:H	1:750:C:ASN:HB3	4	0.2
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	2	0.2
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	2	0.2
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	2	0.2
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	2	0.2
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	2	0.2
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	2	0.2
(1,718)	1:746:C:ILE:HD11	1:743:C:ASP:HA	12	0.2
(1,718)	1:746:C:ILE:HD12	1:743:C:ASP:HA	12	0.2
(1,718)	1:746:C:ILE:HD13	1:743:C:ASP:HA	12	0.2
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	11	0.2
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	11	0.2
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	11	0.2
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	11	0.2
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	11	0.2
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	11	0.2
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	4	0.2
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	5	0.2
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	8	0.2
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	8	0.2
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	8	0.2
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	14	0.2
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	14	0.2
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	14	0.2
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	11	0.2
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	11	0.2
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	11	0.2
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	11	0.2
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	11	0.2
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	11	0.2
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	12	0.2
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	12	0.2
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	12	0.2
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	4	0.2
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.2
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.2
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.2
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.2
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.2
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.2
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	5	0.2
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	5	0.2
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	13	0.2
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	13	0.2
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	13	0.2
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.2
(1,558)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.2
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.2
(1,558)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.2
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.2
(1,558)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.2
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.2
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.2
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.2
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.2
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.2
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.2
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.2
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.2
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.2
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.2
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.2
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.2
(1,548)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	2	0.2
(1,548)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	2	0.2
(1,548)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	2	0.2
(1,548)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	2	0.2
(1,548)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	2	0.2
(1,548)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	2	0.2
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.2
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.2
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.2
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.2
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.2
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.2
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.2
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB2	11	0.2
(1,533)	1:817:C:ALA:H	1:816:C:ASN:HB3	11	0.2
(1,525)	1:797:C:TRP:H	1:796:C:TRP:HD1	1	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	9	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	9	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	9	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	9	0.2
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	9	0.2
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	13	0.2
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	13	0.2
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	13	0.2
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	13	0.2
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	13	0.2
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	13	0.2
(1,482)	1:781:C:ILE:H	1:778:C:VAL:HA	8	0.2
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	14	0.2
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	14	0.2
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	14	0.2
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	3	0.2
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	11	0.2
(1,466)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.2
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	14	0.2
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	1	0.2
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	1	0.2
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	1	0.2
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	9	0.2
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	9	0.2
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	9	0.2
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	6	0.2
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	6	0.2
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	6	0.2
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	6	0.2
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	6	0.2
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	6	0.2
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB2	4	0.2
(1,400)	1:754:C:ALA:H	1:750:C:ASN:HB3	4	0.2
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	2	0.2
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	2	0.2
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	2	0.2
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	2	0.2
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	2	0.2
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	2	0.2
(1,377)	1:746:C:ILE:HD11	1:743:C:ASP:HA	12	0.2
(1,377)	1:746:C:ILE:HD12	1:743:C:ASP:HA	12	0.2
(1,377)	1:746:C:ILE:HD13	1:743:C:ASP:HA	12	0.2
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	11	0.2
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	11	0.2
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	11	0.2
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	11	0.2
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	11	0.2
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	4	0.2
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	5	0.2
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	8	0.2
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	8	0.2
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	8	0.2
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	14	0.2
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	14	0.2
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	14	0.2
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	11	0.2
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	11	0.2
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	11	0.2
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	11	0.2
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	11	0.2
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	11	0.2
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	12	0.2
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	12	0.2
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	12	0.2
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	4	0.2
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	4	0.2
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	4	0.2
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	4	0.2
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	4	0.2
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	4	0.2
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	4	0.2
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	5	0.2
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	5	0.2
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	5	0.2
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	13	0.2
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	13	0.2
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	13	0.2
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.2
(1,217)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.2
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.2
(1,217)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.2
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.2
(1,217)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.2
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.2
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.2
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.2
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.2
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.2
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.2
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.2
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.2
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.2
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.2
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.2
(1,207)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	2	0.2
(1,207)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	2	0.2
(1,207)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	2	0.2
(1,207)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	2	0.2
(1,207)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	2	0.2
(1,207)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	2	0.2
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.2
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.2
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.2
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.2
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.2
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.2
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.2
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG12	7	0.2
(1,180)	1:817:C:ALA:H	1:830:C:ILE:HG13	7	0.2
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG12	7	0.2
(1,179)	1:817:C:ALA:H	1:830:C:ILE:HG13	7	0.2
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG12	7	0.2
(1,178)	1:817:C:ALA:H	1:830:C:ILE:HG13	7	0.2
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	6	0.2
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	6	0.2
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	6	0.2
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	6	0.2
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	6	0.2
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	6	0.2
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	11	0.19
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	11	0.19
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	11	0.19
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	11	0.19
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	11	0.19
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	11	0.19
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	3	0.19
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	11	0.19
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	11	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	13	0.19
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	13	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	12	0.19
(1,1202)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	12	0.19
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	2	0.19
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	15	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	3	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	3	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	13	0.19
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	13	0.19
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	9	0.19
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	9	0.19
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	9	0.19
(1,1107)	1:763:C:LEU:HD11	1:759:C:ASP:HA	14	0.19
(1,1107)	1:763:C:LEU:HD12	1:759:C:ASP:HA	14	0.19
(1,1107)	1:763:C:LEU:HD13	1:759:C:ASP:HA	14	0.19
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	4	0.19
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	4	0.19
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	4	0.19
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	6	0.19
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	6	0.19
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	6	0.19
(1,1095)	1:755:C:LEU:H	1:756:C:ILE:H	1	0.19
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	4	0.19
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	4	0.19
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	4	0.19
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	4	0.19
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	4	0.19
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	4	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	2	0.19
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	5	0.19
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	5	0.19
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	5	0.19
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	6	0.19
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	6	0.19
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	6	0.19
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	6	0.19
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	6	0.19
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	6	0.19
(1,995)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.19
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.19
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.19
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.19
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.19
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.19
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.19
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.19
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.19
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.19
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	1	0.19
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	1	0.19
(1,942)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	1	0.19
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	1	0.19
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	1	0.19
(1,942)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	1	0.19
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	1	0.19
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	1	0.19
(1,942)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	1	0.19
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	9	0.19
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	9	0.19
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	9	0.19
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	9	0.19
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	9	0.19
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	9	0.19
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	14	0.19
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	14	0.19
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	14	0.19
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	14	0.19
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	14	0.19
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	14	0.19
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	6	0.19

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	12	0.19
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	12	0.19
(1,861)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	12	0.19
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	2	0.19
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	15	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	3	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	3	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	13	0.19
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	13	0.19
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	9	0.19
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	9	0.19
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	9	0.19
(1,766)	1:763:C:LEU:HD11	1:759:C:ASP:HA	14	0.19
(1,766)	1:763:C:LEU:HD12	1:759:C:ASP:HA	14	0.19
(1,766)	1:763:C:LEU:HD13	1:759:C:ASP:HA	14	0.19
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	4	0.19
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	4	0.19
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	4	0.19
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	6	0.19
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	6	0.19
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	6	0.19
(1,754)	1:755:C:LEU:H	1:756:C:ILE:H	1	0.19
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	4	0.19
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	4	0.19
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	4	0.19
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	4	0.19
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	4	0.19
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	4	0.19
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	2	0.19
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	5	0.19
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	5	0.19
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	5	0.19
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	6	0.19
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	6	0.19
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	6	0.19
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	6	0.19
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	6	0.19
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	6	0.19
(1,654)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.19
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.19
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.19
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.19
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.19
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.19
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.19
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.19
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.19
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	1	0.19
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	1	0.19
(1,601)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	1	0.19
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	1	0.19
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	1	0.19
(1,601)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	1	0.19
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	1	0.19
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	1	0.19
(1,601)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	1	0.19
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	9	0.19
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	9	0.19
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	9	0.19
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	9	0.19
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	9	0.19
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	9	0.19
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	14	0.19
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	14	0.19
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	14	0.19
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	14	0.19
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	14	0.19
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	14	0.19
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	6	0.19
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	6	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	6	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	6	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	6	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	6	0.19
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.19
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.19
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.19
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.19
(1,577)	1:692:C:LEU:HD11	1:689:C:VAL:HA	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,577)	1:692:C:LEU:HD12	1:689:C:VAL:HA	15	0.19
(1,577)	1:692:C:LEU:HD13	1:689:C:VAL:HA	15	0.19
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	4	0.19
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	4	0.19
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	4	0.19
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	4	0.19
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	4	0.19
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	4	0.19
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.19
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.19
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.19
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.19
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.19
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.19
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.19
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.19
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.19
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	3	0.19
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	3	0.19
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD2	11	0.19
(1,538)	1:839:C:ALA:H	1:838:C:ARG:HD3	11	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	13	0.19
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	13	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD11	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD12	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD13	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD21	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD22	12	0.19
(1,520)	1:790:C:TRP:HE1	1:793:C:LEU:HD23	12	0.19
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	2	0.19
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	15	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	3	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	3	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	10	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	10	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	13	0.19
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	13	0.19
(1,487)	1:781:C:ILE:HG21	1:778:C:VAL:HA	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,487)	1:781:C:ILE:HG22	1:778:C:VAL:HA	9	0.19
(1,487)	1:781:C:ILE:HG23	1:778:C:VAL:HA	9	0.19
(1,425)	1:763:C:LEU:HD11	1:759:C:ASP:HA	14	0.19
(1,425)	1:763:C:LEU:HD12	1:759:C:ASP:HA	14	0.19
(1,425)	1:763:C:LEU:HD13	1:759:C:ASP:HA	14	0.19
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	4	0.19
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	4	0.19
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	4	0.19
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	6	0.19
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	6	0.19
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	6	0.19
(1,413)	1:755:C:LEU:H	1:756:C:ILE:H	1	0.19
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	4	0.19
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	4	0.19
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	4	0.19
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	4	0.19
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	4	0.19
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	4	0.19
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	2	0.19
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	5	0.19
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	5	0.19
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	5	0.19
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	6	0.19
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	6	0.19
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	6	0.19
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	6	0.19
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	6	0.19
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	6	0.19
(1,313)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.19
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.19
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.19
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.19
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	6	0.19
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	6	0.19
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	6	0.19
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	6	0.19
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	6	0.19
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	6	0.19
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	1	0.19
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	1	0.19
(1,260)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	1	0.19
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	1	0.19
(1,260)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	1	0.19
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	1	0.19
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	1	0.19
(1,260)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	1	0.19
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	9	0.19
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	9	0.19
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	9	0.19
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	9	0.19
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	9	0.19
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	9	0.19
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	14	0.19
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	14	0.19
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	14	0.19
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	14	0.19
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	14	0.19
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	14	0.19
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	6	0.19
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	6	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	6	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	6	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	6	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	6	0.19
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.19
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.19
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.19
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.19
(1,236)	1:692:C:LEU:HD11	1:689:C:VAL:HA	15	0.19
(1,236)	1:692:C:LEU:HD12	1:689:C:VAL:HA	15	0.19
(1,236)	1:692:C:LEU:HD13	1:689:C:VAL:HA	15	0.19
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	4	0.19
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	4	0.19
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	4	0.19
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	4	0.19
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	4	0.19
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	4	0.19
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.19
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.19
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.19
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.19
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.19
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.19
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.19
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.19
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	14	0.19
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	14	0.19
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	14	0.19
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	14	0.19
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	14	0.19
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	14	0.19
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	2	0.19
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	4	0.19
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	2	0.19
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	4	0.19
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	2	0.19
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	4	0.19
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	10	0.19
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	5	0.19
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	5	0.19
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	5	0.19
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	5	0.19
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	5	0.19
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	5	0.19
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.19
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.19
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.19
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.19
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.19
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.19
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	5	0.19
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	5	0.19
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	5	0.19
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	5	0.19
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	5	0.19
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	5	0.19
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.19
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.19
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.19
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.19
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.19
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	5	0.19
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	5	0.19
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	5	0.19
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	5	0.19
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	5	0.19
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	5	0.19
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.19
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.19
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.19
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.19
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.19
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.19
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.19
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.19
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.19
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.19
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.19
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.19
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.19
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.19
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.19
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.19
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.19
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.19
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.19
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.19
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.19
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.19
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.19
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.19
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	12	0.18
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	13	0.18
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	7	0.18
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.18
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	4	0.18
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	9	0.18
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	3	0.18
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	4	0.18
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	5	0.18
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	13	0.18
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	7	0.18
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.18
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	4	0.18
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	9	0.18
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	3	0.18
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	4	0.18
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	5	0.18
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	12	0.18
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	13	0.18
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	7	0.18
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	13	0.18
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	4	0.18
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	9	0.18
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	3	0.18
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	4	0.18
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	5	0.18
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	1	0.18
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	1	0.18
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	9	0.18
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	11	0.18
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	9	0.18
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	9	0.18
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	9	0.18
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	1	0.18
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	12	0.18
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	12	0.18
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	12	0.18
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	12	0.18
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	12	0.18
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	12	0.18
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	4	0.18
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	12	0.18
(1,1148)	1:778:C:VAL:H	1:775:C:LEU:HA	6	0.18
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	14	0.18
(1,1109)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	14	0.18
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	14	0.18
(1,1109)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	14	0.18
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	14	0.18
(1,1109)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	14	0.18
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB1	3	0.18
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB2	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB3	3	0.18
(1,1089)	1:754:C:ALA:HB1	1:758:C:ASP:H	3	0.18
(1,1089)	1:754:C:ALA:HB2	1:758:C:ASP:H	3	0.18
(1,1089)	1:754:C:ALA:HB3	1:758:C:ASP:H	3	0.18
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	1	0.18
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	1	0.18
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	1	0.18
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	1	0.18
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	1	0.18
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	1	0.18
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	5	0.18
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	5	0.18
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	5	0.18
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	5	0.18
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	5	0.18
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	5	0.18
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	2	0.18
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	2	0.18
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	2	0.18
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	2	0.18
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	2	0.18
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	2	0.18
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	9	0.18
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	9	0.18
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	9	0.18
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	12	0.18
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	12	0.18
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	12	0.18
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	12	0.18
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	12	0.18
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	12	0.18
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	12	0.18
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	12	0.18
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	12	0.18
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	13	0.18
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	13	0.18
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.18
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.18
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.18
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.18
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.18
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.18
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.18
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	9	0.18
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	9	0.18
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	9	0.18
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	13	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.18
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.18
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	10	0.18
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	10	0.18
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	10	0.18
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	10	0.18
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	10	0.18
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	10	0.18
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	10	0.18
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	10	0.18
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	10	0.18
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	10	0.18
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	10	0.18
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	10	0.18
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.18
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.18
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.18
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.18
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.18
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.18
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	13	0.18
(1,899)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	13	0.18
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	13	0.18
(1,899)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	13	0.18
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	13	0.18
(1,899)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	13	0.18
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.18
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.18
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	1	0.18
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	1	0.18
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	11	0.18
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	9	0.18
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	9	0.18
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	9	0.18
(1,849)	1:785:C:LEU:H	1:782:C:VAL:HA	1	0.18
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	12	0.18
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	12	0.18
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	12	0.18
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	12	0.18
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	12	0.18
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	12	0.18
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	4	0.18
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	12	0.18
(1,807)	1:778:C:VAL:H	1:775:C:LEU:HA	6	0.18
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	14	0.18
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	14	0.18
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	14	0.18
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	14	0.18
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	14	0.18
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	14	0.18
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB1	3	0.18
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB2	3	0.18
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB3	3	0.18
(1,748)	1:754:C:ALA:HB1	1:758:C:ASP:H	3	0.18
(1,748)	1:754:C:ALA:HB2	1:758:C:ASP:H	3	0.18
(1,748)	1:754:C:ALA:HB3	1:758:C:ASP:H	3	0.18
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	1	0.18
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	1	0.18
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	1	0.18
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	1	0.18
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	1	0.18
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	1	0.18
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	5	0.18
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	5	0.18
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	5	0.18
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	5	0.18
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	5	0.18
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	5	0.18
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	2	0.18
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	2	0.18
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	2	0.18
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	2	0.18
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	2	0.18
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	9	0.18
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	9	0.18
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	9	0.18
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	12	0.18
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	12	0.18
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	12	0.18
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	12	0.18
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	12	0.18
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	12	0.18
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	12	0.18
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	12	0.18
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	12	0.18
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	13	0.18
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	13	0.18
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.18
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.18
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.18
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.18
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.18
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.18
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.18
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.18
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	9	0.18
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	9	0.18
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	9	0.18
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	13	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.18
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.18
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	10	0.18
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	10	0.18
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	10	0.18
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	10	0.18
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	10	0.18
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	10	0.18
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	10	0.18

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB1	3	0.18
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB2	3	0.18
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB3	3	0.18
(1,407)	1:754:C:ALA:HB1	1:758:C:ASP:H	3	0.18
(1,407)	1:754:C:ALA:HB2	1:758:C:ASP:H	3	0.18
(1,407)	1:754:C:ALA:HB3	1:758:C:ASP:H	3	0.18
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	1	0.18
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	1	0.18
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	1	0.18
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	1	0.18
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	1	0.18
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	1	0.18
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	5	0.18
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	5	0.18
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	5	0.18
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	5	0.18
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	5	0.18
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	5	0.18
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	2	0.18
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	2	0.18
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	2	0.18
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	2	0.18
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	2	0.18
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	2	0.18
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	9	0.18
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	9	0.18
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	9	0.18
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	12	0.18
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	12	0.18
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	12	0.18
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	12	0.18
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	12	0.18
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	12	0.18
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	12	0.18
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	12	0.18
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	12	0.18
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	13	0.18
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	13	0.18
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.18
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.18
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.18
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.18

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	1	0.18
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	1	0.18
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	1	0.18
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	1	0.18
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	1	0.18
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	5	0.18
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	5	0.18
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	5	0.18
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	5	0.18
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	5	0.18
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	5	0.18
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	13	0.18
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	13	0.18
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	13	0.18
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	13	0.18
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	13	0.18
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	13	0.18
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	6	0.18
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	6	0.18
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	6	0.18
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	5	0.18
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	5	0.18
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	5	0.18
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	5	0.18
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	5	0.18
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	5	0.18
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	5	0.18
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	5	0.18
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	5	0.18
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	5	0.18
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	5	0.18
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	5	0.18
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	5	0.18
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	5	0.18
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	5	0.18
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	5	0.18
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	5	0.18
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	5	0.18
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	9	0.17
(2,195)	1:801:B:GLN:O	1:805:B:GLN:H	1	0.17
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	7	0.17
(2,191)	1:799:B:LEU:O	1:803:B:TRP:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	2	0.17
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	4	0.17
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	9	0.17
(2,109)	1:801:B:GLN:O	1:805:B:GLN:H	1	0.17
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	7	0.17
(2,105)	1:799:B:LEU:O	1:803:B:TRP:H	12	0.17
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	2	0.17
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	4	0.17
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	9	0.17
(2,23)	1:801:B:GLN:O	1:805:B:GLN:H	1	0.17
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	7	0.17
(2,19)	1:799:B:LEU:O	1:803:B:TRP:H	12	0.17
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	2	0.17
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	4	0.17
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD2	2	0.17
(1,1220)	1:839:C:ALA:H	1:838:C:ARG:HD3	2	0.17
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	13	0.17
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	13	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	14	0.17
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	14	0.17
(1,1207)	1:797:C:TRP:H	1:796:C:TRP:HD1	8	0.17
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	8	0.17
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	8	0.17
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	8	0.17
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	13	0.17
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	5	0.17
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	1	0.17
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	1	0.17
(1,1164)	1:781:C:ILE:H	1:778:C:VAL:HA	10	0.17
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD2	8	0.17
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD3	8	0.17
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	2	0.17
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	2	0.17
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	2	0.17
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	2	0.17
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	2	0.17
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	2	0.17
(1,1095)	1:755:C:LEU:H	1:756:C:ILE:H	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	6	0.17
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	6	0.17
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	6	0.17
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	9	0.17
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	12	0.17
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	13	0.17
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	13	0.17
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	13	0.17
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	13	0.17
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	5	0.17
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	5	0.17
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	5	0.17
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	5	0.17
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	5	0.17
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	5	0.17
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.17
(1,1001)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.17
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	6	0.17
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	6	0.17
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	6	0.17
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	6	0.17
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	6	0.17
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	6	0.17
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	6	0.17
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	6	0.17
(1,983)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	6	0.17
(1,955)	1:700:C:ALA:HB1	1:697:C:ILE:HA	1	0.17
(1,955)	1:700:C:ALA:HB2	1:697:C:ILE:HA	1	0.17
(1,955)	1:700:C:ALA:HB3	1:697:C:ILE:HA	1	0.17
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.17
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.17
(1,951)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.17
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	10	0.17
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	10	0.17
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	10	0.17
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.17
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.17
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.17
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	12	0.17
(1,932)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	12	0.17
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	12	0.17
(1,932)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	12	0.17
(1,932)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	12	0.17
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.17
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.17
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.17
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.17
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.17
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.17
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.17
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.17
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.17
(1,905)	1:686:C:ILE:HD11	1:683:C:ARG:HA	14	0.17
(1,905)	1:686:C:ILE:HD12	1:683:C:ARG:HA	14	0.17
(1,905)	1:686:C:ILE:HD13	1:683:C:ARG:HA	14	0.17
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.17
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.17
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.17
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.17
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.17
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.17
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.17
(1,902)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.17
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.17
(1,902)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.17
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.17
(1,902)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.17
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.17
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.17
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	3	0.17
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	3	0.17
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD2	2	0.17
(1,879)	1:839:C:ALA:H	1:838:C:ARG:HD3	2	0.17
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	13	0.17
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	13	0.17

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

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

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.17
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.17
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	12	0.17
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	12	0.17
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	12	0.17
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	12	0.17
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	12	0.17
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	12	0.17
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	12	0.17
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	12	0.17
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	12	0.17
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.17
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.17
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.17
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	15	0.17
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	15	0.17
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	15	0.17
(1,223)	1:686:C:ILE:HD11	1:683:C:ARG:HA	14	0.17
(1,223)	1:686:C:ILE:HD12	1:683:C:ARG:HA	14	0.17
(1,223)	1:686:C:ILE:HD13	1:683:C:ARG:HA	14	0.17
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.17
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.17
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.17
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.17
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.17
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.17
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.17
(1,220)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.17
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.17
(1,220)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.17
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.17
(1,220)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.17
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.17
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.17
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	3	0.17
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	3	0.17
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	3	0.17
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	3	0.17
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	3	0.17
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	7	0.17
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	7	0.17
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	7	0.17
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	7	0.17
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	7	0.17
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	7	0.17
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	1	0.17
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	1	0.17
(1,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	1	0.17
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	1	0.17
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	1	0.17
(1,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	1	0.17
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	1	0.17
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	1	0.17
(1,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	1	0.17
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	3	0.16
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	15	0.16
(2,183)	1:795:B:TYR:O	1:799:B:LEU:H	10	0.16
(2,181)	1:794:B:LYS:O	1:798:B:ASN:H	8	0.16
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.16
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	3	0.16
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	15	0.16
(2,97)	1:795:B:TYR:O	1:799:B:LEU:H	10	0.16
(2,95)	1:794:B:LYS:O	1:798:B:ASN:H	8	0.16
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.16
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	3	0.16
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	15	0.16
(2,11)	1:795:B:TYR:O	1:799:B:LEU:H	10	0.16
(2,9)	1:794:B:LYS:O	1:798:B:ASN:H	8	0.16
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	15	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG2	7	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG3	7	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG2	12	0.16
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG3	12	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	1	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	10	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	10	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	10	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	10	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	10	0.16
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	10	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	3	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	3	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	3	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	11	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	11	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	11	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	15	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	15	0.16
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	15	0.16
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	14	0.16
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	14	0.16
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	14	0.16
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	14	0.16
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	8	0.16
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	8	0.16
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.16
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	7	0.16
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	7	0.16
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	7	0.16
(1,1169)	1:781:C:ILE:HG21	1:778:C:VAL:HA	12	0.16
(1,1169)	1:781:C:ILE:HG22	1:778:C:VAL:HA	12	0.16
(1,1169)	1:781:C:ILE:HG23	1:778:C:VAL:HA	12	0.16
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	13	0.16
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	13	0.16
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	13	0.16
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	13	0.16
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	13	0.16
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	13	0.16
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD2	1	0.16
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD3	1	0.16
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	11	0.16
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	11	0.16
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	9	0.16

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	1	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	1	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	10	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	10	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	10	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	10	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	10	0.16
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	10	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	3	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	3	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	3	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	6	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	6	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	6	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	11	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	11	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	11	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	15	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	15	0.16
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	15	0.16
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	14	0.16
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	14	0.16
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	14	0.16
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	14	0.16
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	8	0.16
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	8	0.16
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.16
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	7	0.16
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	7	0.16
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	7	0.16
(1,828)	1:781:C:ILE:HG21	1:778:C:VAL:HA	12	0.16
(1,828)	1:781:C:ILE:HG22	1:778:C:VAL:HA	12	0.16
(1,828)	1:781:C:ILE:HG23	1:778:C:VAL:HA	12	0.16
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	13	0.16
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	13	0.16
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	13	0.16
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	13	0.16
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	13	0.16
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	13	0.16
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD2	1	0.16
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD3	1	0.16
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	11	0.16
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	9	0.16
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	8	0.16
(1,768)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	8	0.16
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	8	0.16
(1,768)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	8	0.16
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	8	0.16
(1,768)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	8	0.16
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	1	0.16
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	1	0.16
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	1	0.16
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	1	0.16
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	1	0.16
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	1	0.16
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	9	0.16
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	9	0.16
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	9	0.16
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	9	0.16
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	9	0.16
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	9	0.16
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	1	0.16
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	2	0.16
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	2	0.16
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	2	0.16
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.16
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.16
(1,660)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.16
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.16
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.16
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.16
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.16
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.16
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.16
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	7	0.16
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.16
(1,610)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.16
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	4	0.16
(1,591)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	4	0.16
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	4	0.16
(1,591)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	4	0.16
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	4	0.16
(1,591)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	4	0.16

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

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD3	1	0.16
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	11	0.16
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	11	0.16
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	9	0.16
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	8	0.16
(1,427)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	8	0.16
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	8	0.16
(1,427)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	8	0.16
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	8	0.16
(1,427)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	8	0.16
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	1	0.16
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	1	0.16
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	1	0.16
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	1	0.16
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	1	0.16
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	1	0.16
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	9	0.16
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	9	0.16
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	9	0.16
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	9	0.16
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	9	0.16
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	9	0.16
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	1	0.16
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	2	0.16
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	2	0.16
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	2	0.16
(1,320)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.16
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.16
(1,319)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.16
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.16
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.16
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.16
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.16
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.16
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.16
(1,280)	1:702:C:LEU:H	1:699:C:PHE:HA	7	0.16
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.16
(1,269)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	4	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	4	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	4	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	4	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	4	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	13	0.16
(1,250)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	13	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	13	0.16
(1,250)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	13	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	13	0.16
(1,250)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	13	0.16
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.16
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.16
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.16
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	7	0.16
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	7	0.16
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	7	0.16
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	15	0.16
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	15	0.16
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	15	0.16
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.16
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.16
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.16
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.16
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.16
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.16
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.16
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.16
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.16
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	13	0.16
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	13	0.16
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG12	11	0.16
(1,189)	1:827:C:ASP:H	1:820:C:ILE:HG13	11	0.16
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG12	11	0.16
(1,188)	1:827:C:ASP:H	1:820:C:ILE:HG13	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG12	11	0.16
(1,187)	1:827:C:ASP:H	1:820:C:ILE:HG13	11	0.16
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	5	0.16
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	5	0.16
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.16
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.16
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	5	0.16
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	5	0.16
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.16
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.16
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	5	0.16
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	5	0.16
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	9	0.16
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	9	0.16
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	9	0.16
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	15	0.16
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	9	0.16
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	15	0.16
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	9	0.16
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	15	0.16
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	10	0.16
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	10	0.16
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	12	0.16
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	12	0.16
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	10	0.16
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	10	0.16
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	12	0.16
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	12	0.16
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	10	0.16
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	10	0.16
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	12	0.16
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	12	0.16
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.16
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.16
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.16
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.16
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.16
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.16
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.16
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.16
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.16
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.16
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.16
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.16
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.16
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.16
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.16
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.16
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.16
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.16
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.16
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.16
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.16
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.16
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.16
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.16
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.16
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.16
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.16
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.16
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.16
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.16
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.16
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.15
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	11	0.15
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	5	0.15
(2,183)	1:795:B:TYR:O	1:799:B:LEU:H	13	0.15
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	2	0.15
(2,178)	1:792:B:ALA:O	1:796:B:TRP:N	4	0.15
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.15
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	11	0.15
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	5	0.15
(2,97)	1:795:B:TYR:O	1:799:B:LEU:H	13	0.15
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	2	0.15
(2,92)	1:792:B:ALA:O	1:796:B:TRP:N	4	0.15
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	7	0.15
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	11	0.15
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	5	0.15
(2,11)	1:795:B:TYR:O	1:799:B:LEU:H	13	0.15
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	2	0.15
(2,6)	1:792:B:ALA:O	1:796:B:TRP:N	4	0.15
(1,1219)	1:835:C:GLY:H	1:834:C:GLN:HE21	2	0.15
(1,1219)	1:835:C:GLY:H	1:834:C:GLN:HE22	2	0.15
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	5	0.15
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	5	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	9	0.15
(1,1213)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	9	0.15
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	3	0.15
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	3	0.15
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	3	0.15
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	3	0.15
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	3	0.15
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	3	0.15
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	13	0.15
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	9	0.15
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	9	0.15
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	9	0.15
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	9	0.15
(1,1103)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	9	0.15
(1,1103)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	9	0.15
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	9	0.15
(1,1103)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	9	0.15
(1,1071)	1:749:C:VAL:H	1:746:C:ILE:HA	4	0.15
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	2	0.15
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	12	0.15
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	12	0.15
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	1	0.15
(1,1027)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.15
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	15	0.15
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	15	0.15
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	15	0.15
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	15	0.15
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	15	0.15
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	15	0.15
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.15
(1,1009)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.15
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.15
(1,994)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.15
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.15
(1,994)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.15
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.15
(1,994)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.15
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.15
(1,968)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	2	0.15
(1,968)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	2	0.15
(1,968)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	2	0.15
(1,968)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	2	0.15
(1,968)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	2	0.15
(1,968)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	2	0.15
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	2	0.15
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	2	0.15
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	2	0.15
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	2	0.15
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	2	0.15
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	2	0.15
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	15	0.15
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	15	0.15
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	15	0.15
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.15
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.15
(1,927)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.15
(1,927)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.15
(1,927)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.15
(1,921)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	1	0.15
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	3	0.15
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	3	0.15
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	3	0.15
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	3	0.15
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	3	0.15
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	3	0.15
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	1	0.15
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	1	0.15
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	1	0.15
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	3	0.15
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	3	0.15
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	3	0.15
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.15
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.15
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.15
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.15
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.15
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.15
(1,904)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.15
(1,904)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.15
(1,904)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.15
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.15
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.15
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.15
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.15
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.15
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.15
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.15
(1,878)	1:835:C:GLY:H	1:834:C:GLN:HE21	2	0.15
(1,878)	1:835:C:GLY:H	1:834:C:GLN:HE22	2	0.15
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	5	0.15
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	5	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	9	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	9	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	9	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	9	0.15
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,872)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	9	0.15
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	3	0.15
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	3	0.15
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	3	0.15
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	3	0.15
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	3	0.15
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	3	0.15
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	13	0.15
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	9	0.15
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	9	0.15
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	9	0.15
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	9	0.15
(1,762)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	9	0.15
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	9	0.15
(1,762)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	9	0.15
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	9	0.15
(1,762)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	9	0.15
(1,730)	1:749:C:VAL:H	1:746:C:ILE:HA	4	0.15
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	2	0.15
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	12	0.15
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	12	0.15
(1,712)	1:746:C:ILE:H	1:743:C:ASP:HA	1	0.15
(1,686)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.15
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	15	0.15
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	15	0.15
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	15	0.15
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	15	0.15
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	15	0.15
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	15	0.15
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.15
(1,668)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.15
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.15
(1,653)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.15
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.15
(1,653)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.15
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.15
(1,653)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.15
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.15
(1,627)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	2	0.15
(1,627)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	2	0.15
(1,627)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	2	0.15
(1,627)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,627)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	2	0.15
(1,627)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	2	0.15
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	2	0.15
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	2	0.15
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	2	0.15
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	2	0.15
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	2	0.15
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	2	0.15
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	15	0.15
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	15	0.15
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	15	0.15
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.15
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.15
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.15
(1,586)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.15
(1,586)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.15
(1,586)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.15
(1,580)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	1	0.15
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	3	0.15
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	3	0.15
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	3	0.15
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	3	0.15
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	3	0.15
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	3	0.15
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	1	0.15
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	1	0.15
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	1	0.15
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	3	0.15
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	3	0.15
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	3	0.15
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.15
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.15
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.15
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.15
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.15
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.15
(1,563)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.15
(1,563)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.15
(1,563)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.15
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.15
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.15
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.15
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.15
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.15
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.15
(1,537)	1:835:C:GLY:H	1:834:C:GLN:HE21	2	0.15
(1,537)	1:835:C:GLY:H	1:834:C:GLN:HE22	2	0.15
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	5	0.15
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	5	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD11	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD12	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD13	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD21	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD22	9	0.15
(1,531)	1:803:C:TRP:HE1	1:800:C:LEU:HD23	9	0.15
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	3	0.15
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	3	0.15
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	3	0.15
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	3	0.15
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	3	0.15
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	3	0.15
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	13	0.15
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	9	0.15
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	9	0.15
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	9	0.15
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG12	9	0.15
(1,421)	1:760:C:LEU:HD11	1:756:C:ILE:HG13	9	0.15
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG12	9	0.15
(1,421)	1:760:C:LEU:HD12	1:756:C:ILE:HG13	9	0.15
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG12	9	0.15
(1,421)	1:760:C:LEU:HD13	1:756:C:ILE:HG13	9	0.15
(1,389)	1:749:C:VAL:H	1:746:C:ILE:HA	4	0.15
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	2	0.15
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	12	0.15
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	12	0.15
(1,371)	1:746:C:ILE:H	1:743:C:ASP:HA	1	0.15
(1,345)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.15
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	15	0.15
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	15	0.15
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	15	0.15
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	15	0.15
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	15	0.15
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.15
(1,327)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.15
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.15
(1,312)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.15
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.15
(1,312)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.15
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.15
(1,312)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.15
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.15
(1,286)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	2	0.15
(1,286)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	2	0.15
(1,286)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	2	0.15
(1,286)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	2	0.15
(1,286)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	2	0.15
(1,286)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	2	0.15
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	2	0.15
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	2	0.15
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	2	0.15
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	2	0.15
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	2	0.15
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	2	0.15
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	15	0.15
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	15	0.15
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	15	0.15
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.15
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.15
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.15
(1,245)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.15
(1,245)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.15
(1,245)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.15
(1,239)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	1	0.15
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	3	0.15
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	3	0.15
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	3	0.15
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	3	0.15
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	3	0.15
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	3	0.15
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	1	0.15
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	1	0.15
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	1	0.15
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	3	0.15
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	3	0.15
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.15
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.15
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.15
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.15
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.15
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.15
(1,222)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.15
(1,222)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.15
(1,222)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.15
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.15
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.15
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.15
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.15
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.15
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.15
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.15
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	1	0.15
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	1	0.15
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	1	0.15
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	1	0.15
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	1	0.15
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	1	0.15
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	1	0.15
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	1	0.15
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	1	0.15
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.15
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.15
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.15
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.15
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.15
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.15
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.15
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.15
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.15
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.15
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.15
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.15
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.15
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.15
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.15
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.15
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.15
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	7	0.14
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	1	0.14
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	13	0.14
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	6	0.14
(2,174)	1:790:B:TRP:O	1:794:B:LYS:N	6	0.14
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	7	0.14
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	1	0.14
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	13	0.14
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	6	0.14
(2,88)	1:790:B:TRP:O	1:794:B:LYS:N	6	0.14
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	7	0.14
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	1	0.14
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	13	0.14
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	6	0.14
(2,2)	1:790:B:TRP:O	1:794:B:LYS:N	6	0.14
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	8	0.14
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	8	0.14
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	14	0.14
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	14	0.14
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD11	1	0.14
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD12	1	0.14
(1,1216)	1:819:C:ALA:H	1:820:C:ILE:HD13	1	0.14
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	11	0.14
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	11	0.14
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	10	0.14
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	10	0.14
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	10	0.14
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	10	0.14
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	10	0.14
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	10	0.14
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	11	0.14
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	11	0.14
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	11	0.14
(1,1135)	1:776:C:LEU:H	1:773:C:ASP:HA	7	0.14
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	4	0.14
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	4	0.14
(1,1091)	1:755:C:LEU:H	1:752:C:SER:HA	10	0.14
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	7	0.14
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	7	0.14
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	7	0.14
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	7	0.14
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	7	0.14
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	4	0.14
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	4	0.14
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	4	0.14
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	4	0.14
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	4	0.14
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	4	0.14
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	1	0.14
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	1	0.14
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	1	0.14
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	3	0.14
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	3	0.14
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	3	0.14
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	7	0.14
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	7	0.14
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	7	0.14
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	15	0.14
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	15	0.14
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	15	0.14
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	15	0.14
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	15	0.14
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	15	0.14
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.14
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.14
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.14
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.14
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.14
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.14
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	7	0.14
(1,957)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.14
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	5	0.14
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	5	0.14
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	5	0.14
(1,933)	1:695:C:LEU:HD21	1:698:C:VAL:HB	1	0.14
(1,933)	1:695:C:LEU:HD22	1:698:C:VAL:HB	1	0.14
(1,933)	1:695:C:LEU:HD23	1:698:C:VAL:HB	1	0.14
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.14
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.14
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.14
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.14

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	10	0.14
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	10	0.14
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	10	0.14
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	10	0.14
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	10	0.14
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	10	0.14
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	11	0.14
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	11	0.14
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	11	0.14
(1,794)	1:776:C:LEU:H	1:773:C:ASP:HA	7	0.14
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	4	0.14
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	4	0.14
(1,750)	1:755:C:LEU:H	1:752:C:SER:HA	10	0.14
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	7	0.14
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	7	0.14
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	7	0.14
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	7	0.14
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	7	0.14
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	7	0.14
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	4	0.14
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	4	0.14
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	4	0.14
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	4	0.14
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	4	0.14
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	4	0.14
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	1	0.14
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	1	0.14
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	1	0.14
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	3	0.14
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	3	0.14
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	3	0.14
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	7	0.14
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	7	0.14
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	7	0.14
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	15	0.14
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	15	0.14
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	15	0.14
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	15	0.14
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	15	0.14
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	15	0.14
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.14
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.14
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.14
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.14
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.14
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	7	0.14
(1,616)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.14
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	5	0.14
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	5	0.14
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	5	0.14
(1,592)	1:695:C:LEU:HD21	1:698:C:VAL:HB	1	0.14
(1,592)	1:695:C:LEU:HD22	1:698:C:VAL:HB	1	0.14
(1,592)	1:695:C:LEU:HD23	1:698:C:VAL:HB	1	0.14
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.14
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.14
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.14
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.14
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.14
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.14
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.14
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.14
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.14
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.14
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.14
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.14
(1,577)	1:692:C:LEU:HD11	1:689:C:VAL:HA	12	0.14
(1,577)	1:692:C:LEU:HD12	1:689:C:VAL:HA	12	0.14
(1,577)	1:692:C:LEU:HD13	1:689:C:VAL:HA	12	0.14
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	12	0.14
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	12	0.14
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	12	0.14
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	12	0.14
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	12	0.14
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	12	0.14
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.14
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.14
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.14
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.14
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.14
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.14
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.14
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	9	0.14
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.14
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	2	0.14
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	2	0.14
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	2	0.14
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	2	0.14
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	2	0.14
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	2	0.14
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	8	0.14
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	8	0.14
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	14	0.14
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	14	0.14
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD11	1	0.14
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD12	1	0.14
(1,534)	1:819:C:ALA:H	1:820:C:ILE:HD13	1	0.14
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	11	0.14
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	11	0.14
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	10	0.14
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	10	0.14
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	10	0.14
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	10	0.14
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	10	0.14
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	10	0.14
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	11	0.14
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	11	0.14
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	11	0.14
(1,453)	1:776:C:LEU:H	1:773:C:ASP:HA	7	0.14
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	4	0.14
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	4	0.14
(1,409)	1:755:C:LEU:H	1:752:C:SER:HA	10	0.14
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	7	0.14
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	7	0.14
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	7	0.14
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	7	0.14
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	7	0.14
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	7	0.14
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	4	0.14
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	4	0.14
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	4	0.14
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	4	0.14
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	4	0.14
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	4	0.14
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	1	0.14
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	1	0.14
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	3	0.14
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	3	0.14
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	3	0.14
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	7	0.14
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	7	0.14
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	7	0.14
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	15	0.14
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	15	0.14
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	15	0.14
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	15	0.14
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	15	0.14
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	15	0.14
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	4	0.14
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	4	0.14
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	4	0.14
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	4	0.14
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	4	0.14
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	4	0.14
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	7	0.14
(1,275)	1:701:C:VAL:H	1:698:C:VAL:HA	14	0.14
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	5	0.14
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	5	0.14
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	5	0.14
(1,251)	1:695:C:LEU:HD21	1:698:C:VAL:HB	1	0.14
(1,251)	1:695:C:LEU:HD22	1:698:C:VAL:HB	1	0.14
(1,251)	1:695:C:LEU:HD23	1:698:C:VAL:HB	1	0.14
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.14
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.14
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.14
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.14
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.14
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.14
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.14
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.14
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.14
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.14
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.14
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.14
(1,236)	1:692:C:LEU:HD11	1:689:C:VAL:HA	12	0.14
(1,236)	1:692:C:LEU:HD12	1:689:C:VAL:HA	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,236)	1:692:C:LEU:HD13	1:689:C:VAL:HA	12	0.14
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	12	0.14
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	12	0.14
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	12	0.14
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	12	0.14
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	12	0.14
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	12	0.14
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.14
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.14
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.14
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.14
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.14
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.14
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.14
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	9	0.14
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.14
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.14
(1,199)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	2	0.14
(1,199)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	2	0.14
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	13	0.14
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	13	0.14
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	13	0.14
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	13	0.14
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	13	0.14
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	13	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	4	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	4	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	6	0.14
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	6	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	4	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	4	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	6	0.14
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	6	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	4	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	4	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	6	0.14
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	6	0.14
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG12	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,144)	1:794:C:LYS:H	1:847:C:ILE:HG13	13	0.14
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG12	13	0.14
(1,143)	1:794:C:LYS:H	1:847:C:ILE:HG13	13	0.14
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG12	13	0.14
(1,142)	1:794:C:LYS:H	1:847:C:ILE:HG13	13	0.14
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.14
(1,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.14
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.14
(1,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.14
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.14
(1,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.14
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.14
(1,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.14
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.14
(1,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.14
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.14
(1,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.14
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.14
(1,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.14
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.14
(1,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.14
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.14
(1,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.14
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	4	0.13
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	4	0.13
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	6	0.13
(2,221)	1:814:B:LEU:O	1:818:B:THR:H	3	0.13
(2,198)	1:802:B:TYR:O	1:806:B:GLU:N	8	0.13
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	11	0.13
(2,197)	1:802:B:TYR:O	1:806:B:GLU:H	15	0.13
(2,196)	1:801:B:GLN:O	1:805:B:GLN:N	6	0.13
(2,193)	1:800:B:LEU:O	1:804:B:SER:H	12	0.13
(2,192)	1:799:B:LEU:O	1:803:B:TRP:N	2	0.13
(2,189)	1:798:B:ASN:O	1:802:B:TYR:H	10	0.13
(2,182)	1:794:B:LYS:O	1:798:B:ASN:N	8	0.13
(2,181)	1:794:B:LYS:O	1:798:B:ASN:H	15	0.13
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	4	0.13
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	4	0.13
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	6	0.13
(2,135)	1:814:B:LEU:O	1:818:B:THR:H	3	0.13
(2,112)	1:802:B:TYR:O	1:806:B:GLU:N	8	0.13
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,111)	1:802:B:TYR:O	1:806:B:GLU:H	15	0.13
(2,110)	1:801:B:GLN:O	1:805:B:GLN:N	6	0.13
(2,107)	1:800:B:LEU:O	1:804:B:SER:H	12	0.13
(2,106)	1:799:B:LEU:O	1:803:B:TRP:N	2	0.13
(2,103)	1:798:B:ASN:O	1:802:B:TYR:H	10	0.13
(2,96)	1:794:B:LYS:O	1:798:B:ASN:N	8	0.13
(2,95)	1:794:B:LYS:O	1:798:B:ASN:H	15	0.13
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	4	0.13
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	4	0.13
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	6	0.13
(2,49)	1:814:B:LEU:O	1:818:B:THR:H	3	0.13
(2,26)	1:802:B:TYR:O	1:806:B:GLU:N	8	0.13
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	11	0.13
(2,25)	1:802:B:TYR:O	1:806:B:GLU:H	15	0.13
(2,24)	1:801:B:GLN:O	1:805:B:GLN:N	6	0.13
(2,21)	1:800:B:LEU:O	1:804:B:SER:H	12	0.13
(2,20)	1:799:B:LEU:O	1:803:B:TRP:N	2	0.13
(2,17)	1:798:B:ASN:O	1:802:B:TYR:H	10	0.13
(2,10)	1:794:B:LYS:O	1:798:B:ASN:N	8	0.13
(2,9)	1:794:B:LYS:O	1:798:B:ASN:H	15	0.13
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	5	0.13
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	5	0.13
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	7	0.13
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	7	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	11	0.13
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	11	0.13
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	4	0.13
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	4	0.13
(1,1206)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	4	0.13
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	1	0.13
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	6	0.13
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	12	0.13
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	11	0.13
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	11	0.13
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	11	0.13
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	6	0.13
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	6	0.13
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	6	0.13
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	6	0.13
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	6	0.13
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	3	0.13
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	15	0.13
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	15	0.13
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	6	0.13
(1,1170)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.13
(1,1153)	1:778:C:VAL:HG21	1:775:C:LEU:HA	5	0.13
(1,1153)	1:778:C:VAL:HG22	1:775:C:LEU:HA	5	0.13
(1,1153)	1:778:C:VAL:HG23	1:775:C:LEU:HA	5	0.13
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD2	6	0.13
(1,1120)	1:773:C:ASP:H	1:770:C:ARG:HD3	6	0.13
(1,1111)	1:764:C:SER:H	1:761:C:ARG:HA	10	0.13
(1,1101)	1:759:C:ASP:H	1:759:C:ASP:HB3	9	0.13
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.13
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.13
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.13
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.13
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.13
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	7	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	7	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	7	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	7	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	7	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	7	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	10	0.13
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	10	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	10	0.13
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	10	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	10	0.13
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	10	0.13
(1,1060)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	6	0.13
(1,1060)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	6	0.13
(1,1060)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	6	0.13
(1,1060)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	6	0.13
(1,1060)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	6	0.13
(1,1060)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	6	0.13
(1,1059)	1:746:C:ILE:HD11	1:743:C:ASP:HA	13	0.13
(1,1059)	1:746:C:ILE:HD12	1:743:C:ASP:HA	13	0.13
(1,1059)	1:746:C:ILE:HD13	1:743:C:ASP:HA	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	7	0.13
(1,1058)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	7	0.13
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	7	0.13
(1,1058)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	7	0.13
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	7	0.13
(1,1058)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	7	0.13
(1,1053)	1:746:C:ILE:H	1:743:C:ASP:HA	7	0.13
(1,1011)	1:708:C:VAL:H	1:705:C:VAL:HA	12	0.13
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	1	0.13
(1,991)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	1	0.13
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	1	0.13
(1,991)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	1	0.13
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	1	0.13
(1,991)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	1	0.13
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.13
(1,981)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.13
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.13
(1,981)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.13
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.13
(1,981)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.13
(1,962)	1:702:C:LEU:H	1:699:C:PHE:HA	1	0.13
(1,962)	1:702:C:LEU:H	1:699:C:PHE:HA	10	0.13
(1,955)	1:700:C:ALA:HB1	1:697:C:ILE:HA	7	0.13
(1,955)	1:700:C:ALA:HB2	1:697:C:ILE:HA	7	0.13
(1,955)	1:700:C:ALA:HB3	1:697:C:ILE:HA	7	0.13
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	11	0.13
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	11	0.13
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	11	0.13
(1,943)	1:698:C:VAL:HG11	1:695:C:LEU:HA	11	0.13
(1,943)	1:698:C:VAL:HG12	1:695:C:LEU:HA	11	0.13
(1,943)	1:698:C:VAL:HG13	1:695:C:LEU:HA	11	0.13
(1,929)	1:695:C:LEU:H	1:691:C:SER:HA	7	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	6	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	6	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	6	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	6	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	6	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	6	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	7	0.13
(1,923)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	7	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	7	0.13
(1,923)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	7	0.13
(1,923)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	7	0.13
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.13
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.13
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.13
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.13
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	2	0.13
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	8	0.13
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	8	0.13
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	5	0.13
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	5	0.13
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	7	0.13
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	7	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	11	0.13
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	11	0.13
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	4	0.13
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	4	0.13
(1,865)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	4	0.13
(1,863)	1:796:C:TRP:HE1	1:796:C:TRP:H	1	0.13
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	6	0.13
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	12	0.13
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	11	0.13
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	11	0.13
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	11	0.13
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	6	0.13
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	6	0.13
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	6	0.13
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	6	0.13
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	6	0.13
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	3	0.13
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	15	0.13
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	15	0.13
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	6	0.13
(1,829)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.13
(1,812)	1:778:C:VAL:HG21	1:775:C:LEU:HA	5	0.13
(1,812)	1:778:C:VAL:HG22	1:775:C:LEU:HA	5	0.13
(1,812)	1:778:C:VAL:HG23	1:775:C:LEU:HA	5	0.13
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD2	6	0.13
(1,779)	1:773:C:ASP:H	1:770:C:ARG:HD3	6	0.13
(1,770)	1:764:C:SER:H	1:761:C:ARG:HA	10	0.13
(1,760)	1:759:C:ASP:H	1:759:C:ASP:HB3	9	0.13
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.13
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.13
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.13
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.13
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.13
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	7	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	7	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	7	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	7	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	7	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	7	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	10	0.13
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	10	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	10	0.13
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	10	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	10	0.13
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	10	0.13
(1,719)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	6	0.13
(1,719)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	6	0.13
(1,719)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	6	0.13
(1,719)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	6	0.13
(1,719)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	6	0.13
(1,719)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	6	0.13
(1,718)	1:746:C:ILE:HD11	1:743:C:ASP:HA	13	0.13
(1,718)	1:746:C:ILE:HD12	1:743:C:ASP:HA	13	0.13
(1,718)	1:746:C:ILE:HD13	1:743:C:ASP:HA	13	0.13
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	7	0.13
(1,717)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	7	0.13
(1,717)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	7	0.13
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	7	0.13
(1,717)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	7	0.13
(1,712)	1:746:C:ILE:H	1:743:C:ASP:HA	7	0.13
(1,670)	1:708:C:VAL:H	1:705:C:VAL:HA	12	0.13
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	1	0.13
(1,650)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	1	0.13
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	1	0.13
(1,650)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	1	0.13
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	1	0.13
(1,650)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	1	0.13
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.13
(1,640)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.13
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.13
(1,640)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.13
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.13
(1,640)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.13
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	1	0.13
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	10	0.13
(1,614)	1:700:C:ALA:HB1	1:697:C:ILE:HA	7	0.13
(1,614)	1:700:C:ALA:HB2	1:697:C:ILE:HA	7	0.13
(1,614)	1:700:C:ALA:HB3	1:697:C:ILE:HA	7	0.13
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	11	0.13
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	11	0.13
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	11	0.13
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	11	0.13
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	11	0.13
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	11	0.13
(1,588)	1:695:C:LEU:H	1:691:C:SER:HA	7	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	6	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	6	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	6	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	6	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	6	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	6	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	7	0.13
(1,582)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	7	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	7	0.13
(1,582)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	7	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	7	0.13
(1,582)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.13
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.13
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.13
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.13
(1,542)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	2	0.13
(1,542)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	8	0.13
(1,542)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	8	0.13
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	5	0.13
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	5	0.13
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	7	0.13
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	7	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	11	0.13
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	11	0.13
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD21	4	0.13
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD22	4	0.13
(1,524)	1:796:C:TRP:HE1	1:799:C:LEU:HD23	4	0.13
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	1	0.13
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	6	0.13
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	12	0.13
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	11	0.13
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	11	0.13
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	11	0.13
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	6	0.13
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	6	0.13
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	6	0.13
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	6	0.13
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	6	0.13
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	6	0.13
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	15	0.13
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	15	0.13
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	6	0.13
(1,488)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.13
(1,471)	1:778:C:VAL:HG21	1:775:C:LEU:HA	5	0.13
(1,471)	1:778:C:VAL:HG22	1:775:C:LEU:HA	5	0.13
(1,471)	1:778:C:VAL:HG23	1:775:C:LEU:HA	5	0.13
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD2	6	0.13
(1,438)	1:773:C:ASP:H	1:770:C:ARG:HD3	6	0.13
(1,429)	1:764:C:SER:H	1:761:C:ARG:HA	10	0.13
(1,419)	1:759:C:ASP:H	1:759:C:ASP:HB3	9	0.13
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	12	0.13
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	12	0.13
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	12	0.13
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	12	0.13
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	12	0.13
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	12	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	7	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	7	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	7	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	7	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	7	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	7	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	10	0.13
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	10	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	10	0.13
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	10	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	10	0.13
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	10	0.13
(1,378)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	6	0.13
(1,378)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	6	0.13
(1,378)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	6	0.13
(1,378)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	6	0.13
(1,378)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	6	0.13
(1,378)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	6	0.13
(1,377)	1:746:C:ILE:HD11	1:743:C:ASP:HA	13	0.13
(1,377)	1:746:C:ILE:HD12	1:743:C:ASP:HA	13	0.13
(1,377)	1:746:C:ILE:HD13	1:743:C:ASP:HA	13	0.13
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	7	0.13
(1,376)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	7	0.13
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	7	0.13
(1,376)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	7	0.13
(1,376)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	7	0.13
(1,371)	1:746:C:ILE:H	1:743:C:ASP:HA	7	0.13
(1,329)	1:708:C:VAL:H	1:705:C:VAL:HA	12	0.13
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	1	0.13
(1,309)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	1	0.13
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	1	0.13
(1,309)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	1	0.13
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	1	0.13
(1,309)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	1	0.13
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.13
(1,299)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.13
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.13
(1,299)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.13
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.13
(1,299)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.13
(1,280)	1:702:C:LEU:H	1:699:C:PHE:HA	1	0.13
(1,280)	1:702:C:LEU:H	1:699:C:PHE:HA	10	0.13
(1,273)	1:700:C:ALA:HB1	1:697:C:ILE:HA	7	0.13
(1,273)	1:700:C:ALA:HB2	1:697:C:ILE:HA	7	0.13
(1,273)	1:700:C:ALA:HB3	1:697:C:ILE:HA	7	0.13
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	11	0.13
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	11	0.13
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	11	0.13
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	11	0.13
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	11	0.13
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	11	0.13
(1,247)	1:695:C:LEU:H	1:691:C:SER:HA	7	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	6	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	6	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	6	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	6	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	6	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	6	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	7	0.13
(1,241)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	7	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	7	0.13
(1,241)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	7	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	7	0.13
(1,241)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	7	0.13
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.13
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.13
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.13
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	2	0.13
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	8	0.13
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	8	0.13
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	4	0.13
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	4	0.13
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	4	0.13
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	4	0.13
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	4	0.13
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	4	0.13
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	15	0.13
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	15	0.13
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	15	0.13
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	15	0.13
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	15	0.13
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	15	0.13
(1,153)	1:797:C:TRP:HE1	1:848:C:ARG:H	12	0.13
(1,152)	1:797:C:TRP:HE1	1:848:C:ARG:H	12	0.13
(1,151)	1:797:C:TRP:HE1	1:848:C:ARG:H	12	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD11	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD12	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD13	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD21	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD22	7	0.13
(1,135)	1:790:C:TRP:HE1	1:851:C:LEU:HD23	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD11	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD12	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD13	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD21	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD22	7	0.13
(1,134)	1:790:C:TRP:HE1	1:851:C:LEU:HD23	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD11	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD12	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD13	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD21	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD22	7	0.13
(1,133)	1:790:C:TRP:HE1	1:851:C:LEU:HD23	7	0.13
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.13
(1,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.13
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.13
(1,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.13
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.13
(1,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.13
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.13
(1,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.13
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.13
(1,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.13
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.13
(1,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.13
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.13
(1,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.13
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.13
(1,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.13
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.13
(1,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.13
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	0.13
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	0.13
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	0.13
(1,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	0.13
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	0.13
(1,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	0.13
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	0.13
(1,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	0.13
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	0.13
(1,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	0.13
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	0.13
(1,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	0.13
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	0.13
(1,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	0.13
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	0.13
(1,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	0.13
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	0.13
(1,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	0.13
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,234)	1:830:B:ILE:O	1:834:B:GLN:N	7	0.12
(2,233)	1:830:B:ILE:O	1:834:B:GLN:H	10	0.12
(2,228)	1:827:B:ASP:O	1:831:B:GLU:N	4	0.12
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	3	0.12
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	12	0.12
(2,200)	1:803:B:TRP:O	1:807:B:LEU:N	13	0.12
(2,196)	1:801:B:GLN:O	1:805:B:GLN:N	5	0.12
(2,184)	1:795:B:TYR:O	1:799:B:LEU:N	10	0.12
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	1	0.12
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	1	0.12
(2,148)	1:830:B:ILE:O	1:834:B:GLN:N	7	0.12
(2,147)	1:830:B:ILE:O	1:834:B:GLN:H	10	0.12
(2,142)	1:827:B:ASP:O	1:831:B:GLU:N	4	0.12
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	3	0.12
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	12	0.12
(2,114)	1:803:B:TRP:O	1:807:B:LEU:N	13	0.12
(2,110)	1:801:B:GLN:O	1:805:B:GLN:N	5	0.12
(2,98)	1:795:B:TYR:O	1:799:B:LEU:N	10	0.12
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	1	0.12
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	1	0.12
(2,62)	1:830:B:ILE:O	1:834:B:GLN:N	7	0.12
(2,61)	1:830:B:ILE:O	1:834:B:GLN:H	10	0.12
(2,56)	1:827:B:ASP:O	1:831:B:GLU:N	4	0.12
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	3	0.12
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	12	0.12
(2,28)	1:803:B:TRP:O	1:807:B:LEU:N	13	0.12
(2,24)	1:801:B:GLN:O	1:805:B:GLN:N	5	0.12
(2,12)	1:795:B:TYR:O	1:799:B:LEU:N	10	0.12
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	1	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG11	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG12	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG13	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG21	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG22	15	0.12
(1,1217)	1:826:C:THR:H	1:822:C:VAL:HG23	15	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	4	0.12
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	4	0.12
(1,1197)	1:786:C:GLY:H	1:782:C:VAL:HA	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	8	0.12
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	8	0.12
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	8	0.12
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	8	0.12
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	8	0.12
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	8	0.12
(1,1182)	1:784:C:LEU:H	1:781:C:ILE:HA	1	0.12
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	7	0.12
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	7	0.12
(1,1165)	1:781:C:ILE:H	1:780:C:ARG:HA	9	0.12
(1,1165)	1:781:C:ILE:H	1:780:C:ARG:HA	12	0.12
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	12	0.12
(1,1116)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	12	0.12
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	12	0.12
(1,1116)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	12	0.12
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	12	0.12
(1,1116)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	12	0.12
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.12
(1,1081)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.12
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.12
(1,1081)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.12
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.12
(1,1081)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.12
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	6	0.12
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	15	0.12
(1,1061)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	11	0.12
(1,1061)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	11	0.12
(1,1061)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	11	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	3	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	3	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	8	0.12
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	8	0.12
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	14	0.12
(1,1034)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	14	0.12
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	14	0.12
(1,1034)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	14	0.12
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	10	0.12
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	10	0.12
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	10	0.12
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	10	0.12
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	10	0.12
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1016)	1:708:C:VAL:HG11	1:705:C:VAL:HA	1	0.12
(1,1016)	1:708:C:VAL:HG12	1:705:C:VAL:HA	1	0.12
(1,1016)	1:708:C:VAL:HG13	1:705:C:VAL:HA	1	0.12
(1,995)	1:706:C:ASN:H	1:703:C:SER:HA	1	0.12
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.12
(1,984)	1:705:C:VAL:H	1:702:C:LEU:HA	10	0.12
(1,982)	1:704:C:LEU:HD11	1:707:C:ARG:HE	12	0.12
(1,982)	1:704:C:LEU:HD12	1:707:C:ARG:HE	12	0.12
(1,982)	1:704:C:LEU:HD13	1:707:C:ARG:HE	12	0.12
(1,956)	1:700:C:ALA:HB1	1:703:C:SER:HB2	4	0.12
(1,956)	1:700:C:ALA:HB1	1:703:C:SER:HB3	4	0.12
(1,956)	1:700:C:ALA:HB2	1:703:C:SER:HB2	4	0.12
(1,956)	1:700:C:ALA:HB2	1:703:C:SER:HB3	4	0.12
(1,956)	1:700:C:ALA:HB3	1:703:C:SER:HB2	4	0.12
(1,956)	1:700:C:ALA:HB3	1:703:C:SER:HB3	4	0.12
(1,945)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	15	0.12
(1,945)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	15	0.12
(1,945)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	15	0.12
(1,945)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	15	0.12
(1,945)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	15	0.12
(1,945)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	15	0.12
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	9	0.12
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	9	0.12
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	9	0.12
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	4	0.12
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	4	0.12
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	4	0.12
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	4	0.12
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	4	0.12
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	4	0.12
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.12
(1,931)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.12
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.12
(1,931)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.12
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.12
(1,931)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.12
(1,918)	1:692:C:LEU:HD11	1:689:C:VAL:HA	6	0.12
(1,918)	1:692:C:LEU:HD12	1:689:C:VAL:HA	6	0.12
(1,918)	1:692:C:LEU:HD13	1:689:C:VAL:HA	6	0.12
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	15	0.12
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	15	0.12
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	15	0.12
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	15	0.12
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	15	0.12
(1,912)	1:688:C:ILE:HG21	1:692:C:LEU:HG	10	0.12
(1,912)	1:688:C:ILE:HG22	1:692:C:LEU:HG	10	0.12
(1,912)	1:688:C:ILE:HG23	1:692:C:LEU:HG	10	0.12
(1,910)	1:687:C:ILE:HG21	1:691:C:SER:HG	1	0.12
(1,910)	1:687:C:ILE:HG22	1:691:C:SER:HG	1	0.12
(1,910)	1:687:C:ILE:HG23	1:691:C:SER:HG	1	0.12
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.12
(1,896)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.12
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.12
(1,896)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.12
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.12
(1,896)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.12
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.12
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.12
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.12
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.12
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.12
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.12
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.12
(1,887)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.12
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.12
(1,887)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.12
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.12
(1,887)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.12
(1,884)	1:681:C:TYR:H	1:680:C:TRP:HE3	5	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG11	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG12	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG13	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG21	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG22	15	0.12
(1,876)	1:826:C:THR:H	1:822:C:VAL:HG23	15	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	4	0.12
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	4	0.12
(1,856)	1:786:C:GLY:H	1:782:C:VAL:HA	3	0.12
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,847)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	8	0.12
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	8	0.12
(1,847)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	8	0.12
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	8	0.12
(1,847)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	8	0.12
(1,841)	1:784:C:LEU:H	1:781:C:ILE:HA	1	0.12
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD2	7	0.12
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	7	0.12
(1,824)	1:781:C:ILE:H	1:780:C:ARG:HA	9	0.12
(1,824)	1:781:C:ILE:H	1:780:C:ARG:HA	12	0.12
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	12	0.12
(1,775)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	12	0.12
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	12	0.12
(1,775)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	12	0.12
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	12	0.12
(1,775)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	12	0.12
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.12
(1,740)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.12
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.12
(1,740)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.12
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.12
(1,740)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.12
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	6	0.12
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	15	0.12
(1,720)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	11	0.12
(1,720)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	11	0.12
(1,720)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	11	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	3	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	3	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	8	0.12
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	8	0.12
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	14	0.12
(1,693)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	14	0.12
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	14	0.12
(1,693)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	14	0.12
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	10	0.12
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	10	0.12
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	10	0.12
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	10	0.12
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	10	0.12
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	10	0.12
(1,675)	1:708:C:VAL:HG11	1:705:C:VAL:HA	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,675)	1:708:C:VAL:HG12	1:705:C:VAL:HA	1	0.12
(1,675)	1:708:C:VAL:HG13	1:705:C:VAL:HA	1	0.12
(1,654)	1:706:C:ASN:H	1:703:C:SER:HA	1	0.12
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.12
(1,643)	1:705:C:VAL:H	1:702:C:LEU:HA	10	0.12
(1,641)	1:704:C:LEU:HD11	1:707:C:ARG:HE	12	0.12
(1,641)	1:704:C:LEU:HD12	1:707:C:ARG:HE	12	0.12
(1,641)	1:704:C:LEU:HD13	1:707:C:ARG:HE	12	0.12
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB2	4	0.12
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB3	4	0.12
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB2	4	0.12
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB3	4	0.12
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB2	4	0.12
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB3	4	0.12
(1,604)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	15	0.12
(1,604)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	15	0.12
(1,604)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	15	0.12
(1,604)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	15	0.12
(1,604)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	15	0.12
(1,604)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	15	0.12
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	9	0.12
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	9	0.12
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	9	0.12
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	4	0.12
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	4	0.12
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	4	0.12
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	4	0.12
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	4	0.12
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	4	0.12
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.12
(1,590)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.12
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.12
(1,590)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.12
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.12
(1,590)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.12
(1,577)	1:692:C:LEU:HD11	1:689:C:VAL:HA	6	0.12
(1,577)	1:692:C:LEU:HD12	1:689:C:VAL:HA	6	0.12
(1,577)	1:692:C:LEU:HD13	1:689:C:VAL:HA	6	0.12
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	15	0.12
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	15	0.12
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	15	0.12
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	15	0.12
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	15	0.12
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	10	0.12
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	10	0.12
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	10	0.12
(1,569)	1:687:C:ILE:HG21	1:691:C:SER:HG	1	0.12
(1,569)	1:687:C:ILE:HG22	1:691:C:SER:HG	1	0.12
(1,569)	1:687:C:ILE:HG23	1:691:C:SER:HG	1	0.12
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.12
(1,555)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.12
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.12
(1,555)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.12
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.12
(1,555)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.12
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.12
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.12
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.12
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.12
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.12
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.12
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.12
(1,546)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.12
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.12
(1,546)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.12
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.12
(1,546)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.12
(1,543)	1:681:C:TYR:H	1:680:C:TRP:HE3	5	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG11	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG12	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG13	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG21	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG22	15	0.12
(1,535)	1:826:C:THR:H	1:822:C:VAL:HG23	15	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	4	0.12
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	4	0.12
(1,515)	1:786:C:GLY:H	1:782:C:VAL:HA	3	0.12
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	8	0.12
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	8	0.12
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	8	0.12
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	8	0.12
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	8	0.12
(1,500)	1:784:C:LEU:H	1:781:C:ILE:HA	1	0.12
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	7	0.12
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	7	0.12
(1,483)	1:781:C:ILE:H	1:780:C:ARG:HA	9	0.12
(1,483)	1:781:C:ILE:H	1:780:C:ARG:HA	12	0.12
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH21	12	0.12
(1,434)	1:771:C:LEU:HD21	1:772:C:ARG:HH22	12	0.12
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH21	12	0.12
(1,434)	1:771:C:LEU:HD22	1:772:C:ARG:HH22	12	0.12
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH21	12	0.12
(1,434)	1:771:C:LEU:HD23	1:772:C:ARG:HH22	12	0.12
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	5	0.12
(1,399)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	5	0.12
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	5	0.12
(1,399)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	5	0.12
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	5	0.12
(1,399)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	5	0.12
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	6	0.12
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	15	0.12
(1,379)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	11	0.12
(1,379)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	11	0.12
(1,379)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	11	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	3	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	3	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	8	0.12
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	8	0.12
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB2	14	0.12
(1,352)	1:710:C:GLN:HE21	1:706:C:ASN:HB3	14	0.12
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB2	14	0.12
(1,352)	1:710:C:GLN:HE22	1:706:C:ASN:HB3	14	0.12
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	10	0.12
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	10	0.12
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	10	0.12
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	10	0.12
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	10	0.12
(1,335)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	10	0.12
(1,334)	1:708:C:VAL:HG11	1:705:C:VAL:HA	1	0.12
(1,334)	1:708:C:VAL:HG12	1:705:C:VAL:HA	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,334)	1:708:C:VAL:HG13	1:705:C:VAL:HA	1	0.12
(1,313)	1:706:C:ASN:H	1:703:C:SER:HA	1	0.12
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.12
(1,302)	1:705:C:VAL:H	1:702:C:LEU:HA	10	0.12
(1,300)	1:704:C:LEU:HD11	1:707:C:ARG:HE	12	0.12
(1,300)	1:704:C:LEU:HD12	1:707:C:ARG:HE	12	0.12
(1,300)	1:704:C:LEU:HD13	1:707:C:ARG:HE	12	0.12
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB2	4	0.12
(1,274)	1:700:C:ALA:HB1	1:703:C:SER:HB3	4	0.12
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB2	4	0.12
(1,274)	1:700:C:ALA:HB2	1:703:C:SER:HB3	4	0.12
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB2	4	0.12
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB3	4	0.12
(1,263)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	15	0.12
(1,263)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	15	0.12
(1,263)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	15	0.12
(1,263)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	15	0.12
(1,263)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	15	0.12
(1,263)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	15	0.12
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	9	0.12
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	9	0.12
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	9	0.12
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	4	0.12
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	4	0.12
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	4	0.12
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	4	0.12
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	4	0.12
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	4	0.12
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.12
(1,249)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.12
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.12
(1,249)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.12
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.12
(1,249)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.12
(1,236)	1:692:C:LEU:HD11	1:689:C:VAL:HA	6	0.12
(1,236)	1:692:C:LEU:HD12	1:689:C:VAL:HA	6	0.12
(1,236)	1:692:C:LEU:HD13	1:689:C:VAL:HA	6	0.12
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	15	0.12
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	15	0.12
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	15	0.12
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	15	0.12
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	15	0.12
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	10	0.12
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	10	0.12
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	10	0.12
(1,228)	1:687:C:ILE:HG21	1:691:C:SER:HG	1	0.12
(1,228)	1:687:C:ILE:HG22	1:691:C:SER:HG	1	0.12
(1,228)	1:687:C:ILE:HG23	1:691:C:SER:HG	1	0.12
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.12
(1,214)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.12
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.12
(1,214)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.12
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.12
(1,214)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.12
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.12
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.12
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.12
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.12
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.12
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.12
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.12
(1,205)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.12
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.12
(1,205)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.12
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.12
(1,205)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.12
(1,202)	1:681:C:TYR:H	1:680:C:TRP:HE3	5	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	3	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	3	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	15	0.12
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	15	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	3	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	3	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	15	0.12
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	15	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	3	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	3	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	15	0.12
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	15	0.12
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	13	0.12
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	13	0.12
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	14	0.12
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	13	0.12
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	13	0.12
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	14	0.12
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	14	0.12
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	13	0.12
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	13	0.12
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	14	0.12
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	14	0.12
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	1	0.12
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	1	0.12
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	1	0.12
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	1	0.12
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	1	0.12
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	1	0.12
(2,239)	1:833:B:VAL:O	1:837:B:SER:H	13	0.11
(2,234)	1:830:B:ILE:O	1:834:B:GLN:N	1	0.11
(2,228)	1:827:B:ASP:O	1:831:B:GLU:N	6	0.11
(2,227)	1:827:B:ASP:O	1:831:B:GLU:H	2	0.11
(2,199)	1:803:B:TRP:O	1:807:B:LEU:H	10	0.11
(2,181)	1:794:B:LYS:O	1:798:B:ASN:H	12	0.11
(2,177)	1:792:B:ALA:O	1:796:B:TRP:H	14	0.11
(2,153)	1:833:B:VAL:O	1:837:B:SER:H	13	0.11
(2,148)	1:830:B:ILE:O	1:834:B:GLN:N	1	0.11
(2,142)	1:827:B:ASP:O	1:831:B:GLU:N	6	0.11
(2,141)	1:827:B:ASP:O	1:831:B:GLU:H	2	0.11
(2,113)	1:803:B:TRP:O	1:807:B:LEU:H	10	0.11
(2,95)	1:794:B:LYS:O	1:798:B:ASN:H	12	0.11
(2,91)	1:792:B:ALA:O	1:796:B:TRP:H	14	0.11
(2,67)	1:833:B:VAL:O	1:837:B:SER:H	13	0.11
(2,62)	1:830:B:ILE:O	1:834:B:GLN:N	1	0.11
(2,56)	1:827:B:ASP:O	1:831:B:GLU:N	6	0.11
(2,55)	1:827:B:ASP:O	1:831:B:GLU:H	2	0.11
(2,27)	1:803:B:TRP:O	1:807:B:LEU:H	10	0.11
(2,9)	1:794:B:LYS:O	1:798:B:ASN:H	12	0.11
(2,5)	1:792:B:ALA:O	1:796:B:TRP:H	14	0.11
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	2	0.11
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	2	0.11
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG2	13	0.11
(1,1221)	1:852:C:GLU:H	1:848:C:ARG:HG3	13	0.11
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG2	2	0.11
(1,1218)	1:835:C:GLY:H	1:834:C:GLN:HG3	2	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	6	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	9	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	9	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.11
(1,1214)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	8	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	13	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	15	0.11
(1,1208)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	15	0.11
(1,1207)	1:797:C:TRP:H	1:796:C:TRP:HD1	10	0.11
(1,1204)	1:796:C:TRP:HE1	1:796:C:TRP:H	6	0.11
(1,1196)	1:785:C:LEU:HD21	1:782:C:VAL:HA	12	0.11
(1,1196)	1:785:C:LEU:HD22	1:782:C:VAL:HA	12	0.11
(1,1196)	1:785:C:LEU:HD23	1:782:C:VAL:HA	12	0.11
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	7	0.11
(1,1190)	1:785:C:LEU:H	1:782:C:VAL:HA	8	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	4	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	4	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	4	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	4	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	4	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	4	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	5	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	5	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	5	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	5	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	5	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	15	0.11
(1,1188)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	15	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	15	0.11
(1,1188)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	15	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	15	0.11
(1,1188)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	15	0.11
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	5	0.11
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	5	0.11
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD2	12	0.11
(1,1177)	1:783:C:GLU:H	1:780:C:ARG:HD3	12	0.11
(1,1165)	1:781:C:ILE:H	1:780:C:ARG:HA	2	0.11
(1,1164)	1:781:C:ILE:H	1:778:C:VAL:HA	6	0.11
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	2	0.11
(1,1147)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	2	0.11
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	2	0.11
(1,1147)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	2	0.11
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	2	0.11
(1,1147)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	2	0.11
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB2	6	0.11
(1,1112)	1:764:C:SER:H	1:771:C:LEU:HB3	6	0.11
(1,1108)	1:763:C:LEU:HD11	1:764:C:SER:HG	8	0.11
(1,1108)	1:763:C:LEU:HD12	1:764:C:SER:HG	8	0.11
(1,1108)	1:763:C:LEU:HD13	1:764:C:SER:HG	8	0.11
(1,1104)	1:760:C:LEU:HD11	1:757:C:TRP:HA	5	0.11
(1,1104)	1:760:C:LEU:HD12	1:757:C:TRP:HA	5	0.11
(1,1104)	1:760:C:LEU:HD13	1:757:C:TRP:HA	5	0.11
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB1	5	0.11
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB2	5	0.11
(1,1098)	1:758:C:ASP:H	1:754:C:ALA:HB3	5	0.11
(1,1089)	1:754:C:ALA:HB1	1:758:C:ASP:H	5	0.11
(1,1089)	1:754:C:ALA:HB2	1:758:C:ASP:H	5	0.11
(1,1089)	1:754:C:ALA:HB3	1:758:C:ASP:H	5	0.11
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	9	0.11
(1,1087)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	9	0.11
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	9	0.11
(1,1087)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	9	0.11
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	9	0.11
(1,1087)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	9	0.11
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	6	0.11
(1,1080)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	6	0.11
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	6	0.11
(1,1080)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	6	0.11
(1,1080)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	6	0.11
(1,1068)	1:748:C:LEU:H	1:745:C:SER:HA	4	0.11
(1,1062)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	4	0.11
(1,1062)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	4	0.11
(1,1062)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	4	0.11
(1,1059)	1:746:C:ILE:HD11	1:743:C:ASP:HA	9	0.11
(1,1059)	1:746:C:ILE:HD12	1:743:C:ASP:HA	9	0.11
(1,1059)	1:746:C:ILE:HD13	1:743:C:ASP:HA	9	0.11
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	1	0.11
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	1	0.11
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB2	9	0.11
(1,1054)	1:746:C:ILE:H	1:743:C:ASP:HB3	9	0.11
(1,1026)	1:709:C:ARG:HE	1:709:C:ARG:H	11	0.11
(1,1026)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	2	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	2	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	2	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	2	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	2	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	2	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	9	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	9	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	9	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	9	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	9	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	9	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.11
(1,1017)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.11
(1,1017)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.11
(1,1017)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.11
(1,1002)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.11
(1,992)	1:705:C:VAL:HG21	1:701:C:VAL:HA	11	0.11
(1,992)	1:705:C:VAL:HG22	1:701:C:VAL:HA	11	0.11
(1,992)	1:705:C:VAL:HG23	1:701:C:VAL:HA	11	0.11
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	5	0.11
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	5	0.11
(1,983)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	5	0.11
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	5	0.11
(1,983)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	5	0.11

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,906)	1:686:C:ILE:HD12	1:685:C:PHE:H	5	0.11
(1,906)	1:686:C:ILE:HD13	1:685:C:PHE:H	5	0.11
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.11
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.11
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.11
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.11
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.11
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.11
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.11
(1,894)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.11
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.11
(1,894)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.11
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.11
(1,894)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.11
(1,882)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	2	0.11
(1,882)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	2	0.11
(1,881)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	10	0.11
(1,881)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	10	0.11
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	2	0.11
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	2	0.11
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG2	13	0.11
(1,880)	1:852:C:GLU:H	1:848:C:ARG:HG3	13	0.11
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG2	2	0.11
(1,877)	1:835:C:GLY:H	1:834:C:GLN:HG3	2	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	6	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	6	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	9	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	9	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.11
(1,873)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	8	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	8	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	8	0.11
(1,867)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	8	0.11

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,836)	1:783:C:GLU:H	1:780:C:ARG:HD3	12	0.11
(1,824)	1:781:C:ILE:H	1:780:C:ARG:HA	2	0.11
(1,823)	1:781:C:ILE:H	1:778:C:VAL:HA	6	0.11
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	2	0.11
(1,806)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	2	0.11
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	2	0.11
(1,806)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	2	0.11
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	2	0.11
(1,806)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	2	0.11
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	6	0.11
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	6	0.11
(1,767)	1:763:C:LEU:HD11	1:764:C:SER:HG	8	0.11
(1,767)	1:763:C:LEU:HD12	1:764:C:SER:HG	8	0.11
(1,767)	1:763:C:LEU:HD13	1:764:C:SER:HG	8	0.11
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	5	0.11
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	5	0.11
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	5	0.11
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB1	5	0.11
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB2	5	0.11
(1,757)	1:758:C:ASP:H	1:754:C:ALA:HB3	5	0.11
(1,748)	1:754:C:ALA:HB1	1:758:C:ASP:H	5	0.11
(1,748)	1:754:C:ALA:HB2	1:758:C:ASP:H	5	0.11
(1,748)	1:754:C:ALA:HB3	1:758:C:ASP:H	5	0.11
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	9	0.11
(1,746)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	9	0.11
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	9	0.11
(1,746)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	9	0.11
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	9	0.11
(1,746)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	9	0.11
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	6	0.11
(1,739)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	6	0.11
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	6	0.11
(1,739)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	6	0.11
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	6	0.11
(1,739)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	6	0.11
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	4	0.11
(1,721)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	4	0.11
(1,721)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	4	0.11
(1,721)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	4	0.11
(1,718)	1:746:C:ILE:HD11	1:743:C:ASP:HA	9	0.11
(1,718)	1:746:C:ILE:HD12	1:743:C:ASP:HA	9	0.11
(1,718)	1:746:C:ILE:HD13	1:743:C:ASP:HA	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	1	0.11
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	1	0.11
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB2	9	0.11
(1,713)	1:746:C:ILE:H	1:743:C:ASP:HB3	9	0.11
(1,685)	1:709:C:ARG:HE	1:709:C:ARG:H	11	0.11
(1,685)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	2	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	2	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	2	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	2	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	2	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	2	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	9	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	9	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	9	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	9	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	9	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	9	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	11	0.11
(1,676)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	11	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	11	0.11
(1,676)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	11	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	11	0.11
(1,676)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	11	0.11
(1,661)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.11
(1,651)	1:705:C:VAL:HG21	1:701:C:VAL:HA	11	0.11
(1,651)	1:705:C:VAL:HG22	1:701:C:VAL:HA	11	0.11
(1,651)	1:705:C:VAL:HG23	1:701:C:VAL:HA	11	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	5	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	5	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	5	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	5	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	5	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	5	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	5	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	5	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	5	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	9	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	9	0.11
(1,642)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	9	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	9	0.11
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,642)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	9	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	9	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	9	0.11
(1,642)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	9	0.11
(1,621)	1:702:C:LEU:H	1:699:C:PHE:HA	2	0.11
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB2	3	0.11
(1,615)	1:700:C:ALA:HB1	1:703:C:SER:HB3	3	0.11
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB2	3	0.11
(1,615)	1:700:C:ALA:HB2	1:703:C:SER:HB3	3	0.11
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB2	3	0.11
(1,615)	1:700:C:ALA:HB3	1:703:C:SER:HB3	3	0.11
(1,602)	1:698:C:VAL:HG11	1:695:C:LEU:HA	6	0.11
(1,602)	1:698:C:VAL:HG12	1:695:C:LEU:HA	6	0.11
(1,602)	1:698:C:VAL:HG13	1:695:C:LEU:HA	6	0.11
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	15	0.11
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB3	15	0.11
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB2	15	0.11
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB3	15	0.11
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB2	15	0.11
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB3	15	0.11
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	9	0.11
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	9	0.11
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	9	0.11
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	9	0.11
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	9	0.11
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	9	0.11
(1,571)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.11
(1,571)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.11
(1,571)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.11
(1,565)	1:686:C:ILE:HD11	1:685:C:PHE:H	2	0.11
(1,565)	1:686:C:ILE:HD12	1:685:C:PHE:H	2	0.11
(1,565)	1:686:C:ILE:HD13	1:685:C:PHE:H	2	0.11
(1,565)	1:686:C:ILE:HD11	1:685:C:PHE:H	5	0.11
(1,565)	1:686:C:ILE:HD12	1:685:C:PHE:H	5	0.11
(1,565)	1:686:C:ILE:HD13	1:685:C:PHE:H	5	0.11
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.11
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.11
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.11
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.11
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.11
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.11
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.11
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.11
(1,553)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.11
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.11
(1,553)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.11
(1,541)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	2	0.11
(1,541)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	2	0.11
(1,541)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	2	0.11
(1,541)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	2	0.11
(1,541)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	2	0.11
(1,541)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	2	0.11
(1,540)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	10	0.11
(1,540)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	10	0.11
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	2	0.11
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	2	0.11
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG2	13	0.11
(1,539)	1:852:C:GLU:H	1:848:C:ARG:HG3	13	0.11
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG2	2	0.11
(1,536)	1:835:C:GLY:H	1:834:C:GLN:HG3	2	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	6	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	6	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	9	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	9	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB2	10	0.11
(1,532)	1:806:C:GLU:H	1:803:C:TRP:HB3	10	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	8	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	13	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD11	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD12	15	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD13	15	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD21	15	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD22	15	0.11
(1,526)	1:797:C:TRP:HE1	1:793:C:LEU:HD23	15	0.11
(1,525)	1:797:C:TRP:H	1:796:C:TRP:HD1	10	0.11
(1,522)	1:796:C:TRP:HE1	1:796:C:TRP:H	6	0.11
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	12	0.11
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	12	0.11
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	12	0.11
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	7	0.11
(1,508)	1:785:C:LEU:H	1:782:C:VAL:HA	8	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	4	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	4	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	4	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	4	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	4	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	4	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	5	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	5	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	5	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	5	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	5	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	5	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	15	0.11
(1,506)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	15	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	15	0.11
(1,506)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	15	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	15	0.11
(1,506)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	15	0.11
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	5	0.11
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	5	0.11
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD2	12	0.11
(1,495)	1:783:C:GLU:H	1:780:C:ARG:HD3	12	0.11
(1,483)	1:781:C:ILE:H	1:780:C:ARG:HA	2	0.11
(1,482)	1:781:C:ILE:H	1:778:C:VAL:HA	6	0.11
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	2	0.11
(1,465)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	2	0.11
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	2	0.11
(1,465)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	2	0.11
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	2	0.11
(1,465)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	6	0.11
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	6	0.11
(1,426)	1:763:C:LEU:HD11	1:764:C:SER:HG	8	0.11
(1,426)	1:763:C:LEU:HD12	1:764:C:SER:HG	8	0.11
(1,426)	1:763:C:LEU:HD13	1:764:C:SER:HG	8	0.11
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	5	0.11
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	5	0.11
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	5	0.11
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB1	5	0.11
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB2	5	0.11
(1,416)	1:758:C:ASP:H	1:754:C:ALA:HB3	5	0.11
(1,407)	1:754:C:ALA:HB1	1:758:C:ASP:H	5	0.11
(1,407)	1:754:C:ALA:HB2	1:758:C:ASP:H	5	0.11
(1,407)	1:754:C:ALA:HB3	1:758:C:ASP:H	5	0.11
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	9	0.11
(1,405)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	9	0.11
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	9	0.11
(1,405)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	9	0.11
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	9	0.11
(1,405)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	9	0.11
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	6	0.11
(1,398)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	6	0.11
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	6	0.11
(1,398)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	6	0.11
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	6	0.11
(1,398)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	6	0.11
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	4	0.11
(1,380)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	4	0.11
(1,380)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	4	0.11
(1,380)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	4	0.11
(1,377)	1:746:C:ILE:HD11	1:743:C:ASP:HA	9	0.11
(1,377)	1:746:C:ILE:HD12	1:743:C:ASP:HA	9	0.11
(1,377)	1:746:C:ILE:HD13	1:743:C:ASP:HA	9	0.11
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	1	0.11
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	1	0.11
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB2	9	0.11
(1,372)	1:746:C:ILE:H	1:743:C:ASP:HB3	9	0.11
(1,344)	1:709:C:ARG:HE	1:709:C:ARG:H	11	0.11
(1,344)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.11
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	2	0.11
(1,335)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	2	0.11
(1,335)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	2	0.11

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB2	3	0.11
(1,274)	1:700:C:ALA:HB3	1:703:C:SER:HB3	3	0.11
(1,261)	1:698:C:VAL:HG11	1:695:C:LEU:HA	6	0.11
(1,261)	1:698:C:VAL:HG12	1:695:C:LEU:HA	6	0.11
(1,261)	1:698:C:VAL:HG13	1:695:C:LEU:HA	6	0.11
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	15	0.11
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	15	0.11
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	15	0.11
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	15	0.11
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	15	0.11
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	15	0.11
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	9	0.11
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	9	0.11
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	9	0.11
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	9	0.11
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	9	0.11
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	9	0.11
(1,230)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.11
(1,230)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.11
(1,230)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.11
(1,224)	1:686:C:ILE:HD11	1:685:C:PHE:H	2	0.11
(1,224)	1:686:C:ILE:HD12	1:685:C:PHE:H	2	0.11
(1,224)	1:686:C:ILE:HD13	1:685:C:PHE:H	2	0.11
(1,224)	1:686:C:ILE:HD11	1:685:C:PHE:H	5	0.11
(1,224)	1:686:C:ILE:HD12	1:685:C:PHE:H	5	0.11
(1,224)	1:686:C:ILE:HD13	1:685:C:PHE:H	5	0.11
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.11
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.11
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.11
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.11
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.11
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.11
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.11
(1,212)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.11
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.11
(1,212)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.11
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.11
(1,212)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.11
(1,200)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	2	0.11
(1,200)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	2	0.11
(1,200)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	2	0.11
(1,200)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,200)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	2	0.11
(1,200)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	2	0.11
(1,199)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	10	0.11
(1,199)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	10	0.11
(1,199)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	10	0.11
(1,199)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	10	0.11
(1,199)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	10	0.11
(1,199)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	10	0.11
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD2	11	0.11
(1,195)	1:839:C:ALA:H	1:808:C:LYS:HD3	11	0.11
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD2	11	0.11
(1,194)	1:839:C:ALA:H	1:808:C:LYS:HD3	11	0.11
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD2	11	0.11
(1,193)	1:839:C:ALA:H	1:808:C:LYS:HD3	11	0.11
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	8	0.11
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	8	0.11
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	8	0.11
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	8	0.11
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	8	0.11
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	8	0.11
(1,174)	1:816:C:ASN:H	1:830:C:ILE:HD11	10	0.11
(1,174)	1:816:C:ASN:H	1:830:C:ILE:HD12	10	0.11
(1,174)	1:816:C:ASN:H	1:830:C:ILE:HD13	10	0.11
(1,173)	1:816:C:ASN:H	1:830:C:ILE:HD11	10	0.11
(1,173)	1:816:C:ASN:H	1:830:C:ILE:HD12	10	0.11
(1,173)	1:816:C:ASN:H	1:830:C:ILE:HD13	10	0.11
(1,172)	1:816:C:ASN:H	1:830:C:ILE:HD11	10	0.11
(1,172)	1:816:C:ASN:H	1:830:C:ILE:HD12	10	0.11
(1,172)	1:816:C:ASN:H	1:830:C:ILE:HD13	10	0.11
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD2	8	0.11
(1,171)	1:808:C:LYS:H	1:838:C:ARG:HD3	8	0.11
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD2	8	0.11
(1,170)	1:808:C:LYS:H	1:838:C:ARG:HD3	8	0.11
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD2	8	0.11
(1,169)	1:808:C:LYS:H	1:838:C:ARG:HD3	8	0.11
(1,147)	1:794:C:LYS:H	1:848:C:ARG:HG2	13	0.11
(1,147)	1:794:C:LYS:H	1:848:C:ARG:HG3	13	0.11
(1,146)	1:794:C:LYS:H	1:848:C:ARG:HG2	13	0.11
(1,146)	1:794:C:LYS:H	1:848:C:ARG:HG3	13	0.11
(1,145)	1:794:C:LYS:H	1:848:C:ARG:HG2	13	0.11
(1,145)	1:794:C:LYS:H	1:848:C:ARG:HG3	13	0.11
(1,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	1	0.11

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

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	2	0.1
(1,967)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	2	0.1
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	2	0.1
(1,967)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	2	0.1
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	2	0.1
(1,967)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	2	0.1
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	7	0.1
(1,946)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	7	0.1
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	7	0.1
(1,946)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	7	0.1
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	7	0.1
(1,946)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	7	0.1
(1,944)	1:698:C:VAL:HG11	1:695:C:LEU:HG	14	0.1
(1,944)	1:698:C:VAL:HG12	1:695:C:LEU:HG	14	0.1
(1,944)	1:698:C:VAL:HG13	1:695:C:LEU:HG	14	0.1
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	3	0.1
(1,939)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.1
(1,929)	1:695:C:LEU:H	1:691:C:SER:HA	15	0.1
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB2	8	0.1
(1,920)	1:692:C:LEU:HD11	1:691:C:SER:HB3	8	0.1
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB2	8	0.1
(1,920)	1:692:C:LEU:HD12	1:691:C:SER:HB3	8	0.1
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB2	8	0.1
(1,920)	1:692:C:LEU:HD13	1:691:C:SER:HB3	8	0.1
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	13	0.1
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	13	0.1
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	13	0.1
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	13	0.1
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	13	0.1
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	13	0.1
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	14	0.1
(1,915)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	14	0.1
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	14	0.1
(1,915)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	14	0.1
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	14	0.1
(1,915)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	14	0.1
(1,883)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.1
(1,883)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,855)	1:785:C:LEU:HD21	1:782:C:VAL:HA	15	0.1
(1,855)	1:785:C:LEU:HD22	1:782:C:VAL:HA	15	0.1
(1,855)	1:785:C:LEU:HD23	1:782:C:VAL:HA	15	0.1
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB2	3	0.1
(1,771)	1:764:C:SER:H	1:771:C:LEU:HB3	3	0.1
(1,763)	1:760:C:LEU:HD11	1:757:C:TRP:HA	1	0.1
(1,763)	1:760:C:LEU:HD12	1:757:C:TRP:HA	1	0.1
(1,763)	1:760:C:LEU:HD13	1:757:C:TRP:HA	1	0.1
(1,727)	1:748:C:LEU:H	1:745:C:SER:HA	14	0.1
(1,654)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.1
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	2	0.1
(1,626)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	2	0.1
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	2	0.1
(1,626)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	2	0.1
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	2	0.1
(1,626)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	2	0.1
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	7	0.1
(1,605)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	7	0.1
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	7	0.1
(1,605)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	7	0.1
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	7	0.1
(1,605)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	7	0.1
(1,603)	1:698:C:VAL:HG11	1:695:C:LEU:HG	14	0.1
(1,603)	1:698:C:VAL:HG12	1:695:C:LEU:HG	14	0.1
(1,603)	1:698:C:VAL:HG13	1:695:C:LEU:HG	14	0.1
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	3	0.1
(1,598)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.1
(1,588)	1:695:C:LEU:H	1:691:C:SER:HA	15	0.1
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB2	8	0.1
(1,579)	1:692:C:LEU:HD11	1:691:C:SER:HB3	8	0.1
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB2	8	0.1
(1,579)	1:692:C:LEU:HD12	1:691:C:SER:HB3	8	0.1
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB2	8	0.1
(1,579)	1:692:C:LEU:HD13	1:691:C:SER:HB3	8	0.1
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	13	0.1
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	13	0.1
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	13	0.1
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	13	0.1
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	13	0.1
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	13	0.1
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	14	0.1
(1,574)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	14	0.1
(1,574)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	14	0.1
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	14	0.1
(1,574)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	14	0.1
(1,542)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.1
(1,542)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.1
(1,542)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.1
(1,542)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.1
(1,542)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.1
(1,542)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.1
(1,514)	1:785:C:LEU:HD21	1:782:C:VAL:HA	15	0.1
(1,514)	1:785:C:LEU:HD22	1:782:C:VAL:HA	15	0.1
(1,514)	1:785:C:LEU:HD23	1:782:C:VAL:HA	15	0.1
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB2	3	0.1
(1,430)	1:764:C:SER:H	1:771:C:LEU:HB3	3	0.1
(1,422)	1:760:C:LEU:HD11	1:757:C:TRP:HA	1	0.1
(1,422)	1:760:C:LEU:HD12	1:757:C:TRP:HA	1	0.1
(1,422)	1:760:C:LEU:HD13	1:757:C:TRP:HA	1	0.1
(1,386)	1:748:C:LEU:H	1:745:C:SER:HA	14	0.1
(1,313)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.1
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	2	0.1
(1,285)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	2	0.1
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	2	0.1
(1,285)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	2	0.1
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	2	0.1
(1,285)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	2	0.1
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	7	0.1
(1,264)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	7	0.1
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	7	0.1
(1,264)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	7	0.1
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	7	0.1
(1,264)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	7	0.1
(1,262)	1:698:C:VAL:HG11	1:695:C:LEU:HG	14	0.1
(1,262)	1:698:C:VAL:HG12	1:695:C:LEU:HG	14	0.1
(1,262)	1:698:C:VAL:HG13	1:695:C:LEU:HG	14	0.1
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	3	0.1
(1,257)	1:696:C:ARG:H	1:696:C:ARG:HE	6	0.1
(1,247)	1:695:C:LEU:H	1:691:C:SER:HA	15	0.1
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB2	8	0.1
(1,238)	1:692:C:LEU:HD11	1:691:C:SER:HB3	8	0.1
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB2	8	0.1
(1,238)	1:692:C:LEU:HD12	1:691:C:SER:HB3	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB2	8	0.1
(1,238)	1:692:C:LEU:HD13	1:691:C:SER:HB3	8	0.1
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	13	0.1
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	13	0.1
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	13	0.1
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	13	0.1
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	13	0.1
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	13	0.1
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	14	0.1
(1,233)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	14	0.1
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	14	0.1
(1,233)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	14	0.1
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	14	0.1
(1,233)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	14	0.1
(1,201)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.1
(1,201)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.1
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.1
(1,177)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.1
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.1
(1,176)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.1
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG2	9	0.1
(1,175)	1:816:C:ASN:H	1:831:C:GLU:HG3	9	0.1

10 Dihedral-angle violation analysis

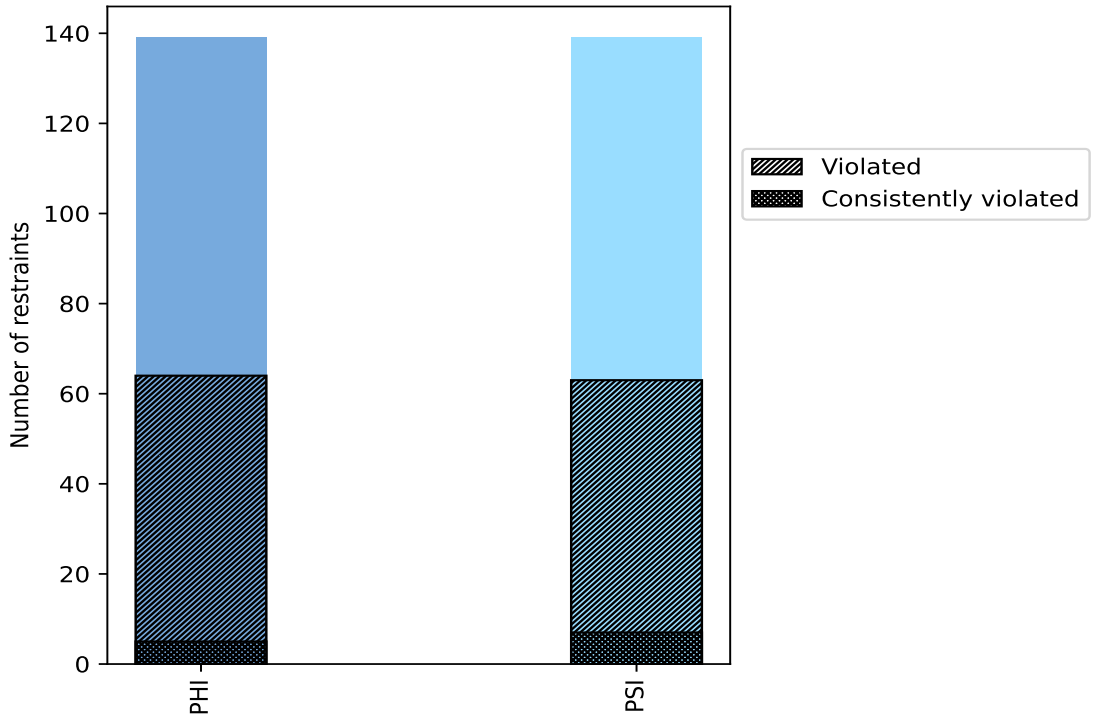
10.1 Summary of dihedral-angle violations

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]
PHI	139	50.0	64	46.0	23.0	5	3.6	1.8
PSI	139	50.0	63	45.3	22.7	7	5.0	2.5
Total	278	100.0	127	45.7	45.7	12	4.3	4.3

[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



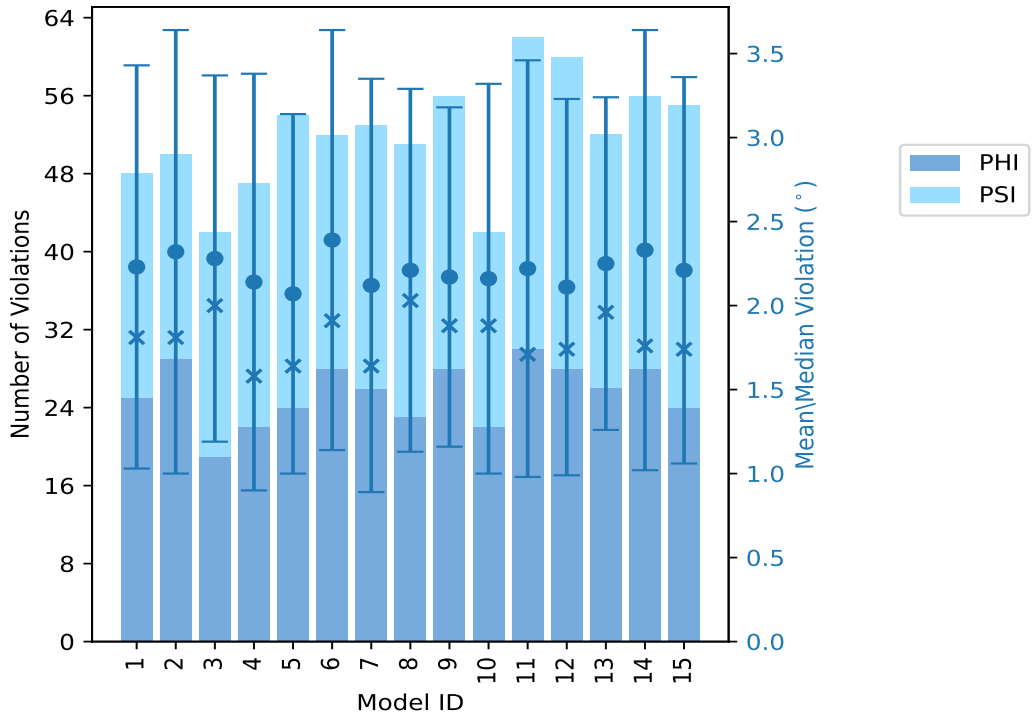
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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

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



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

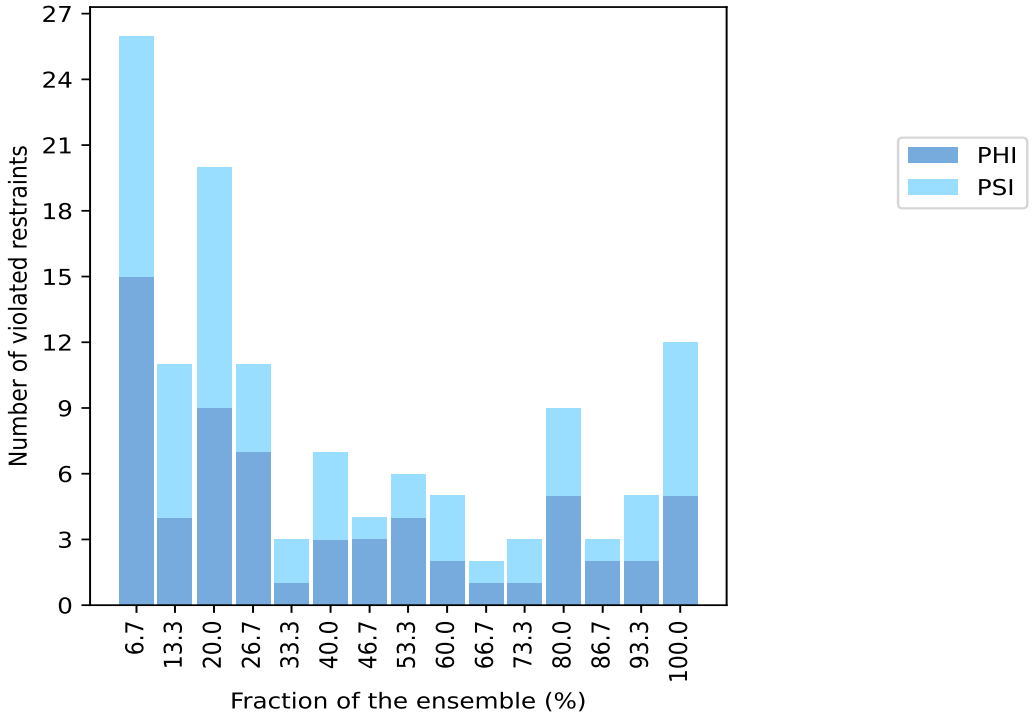
10.3 Dihedral-angle violation statistics for the ensemble (i)

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

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

[1] Number of models with violations

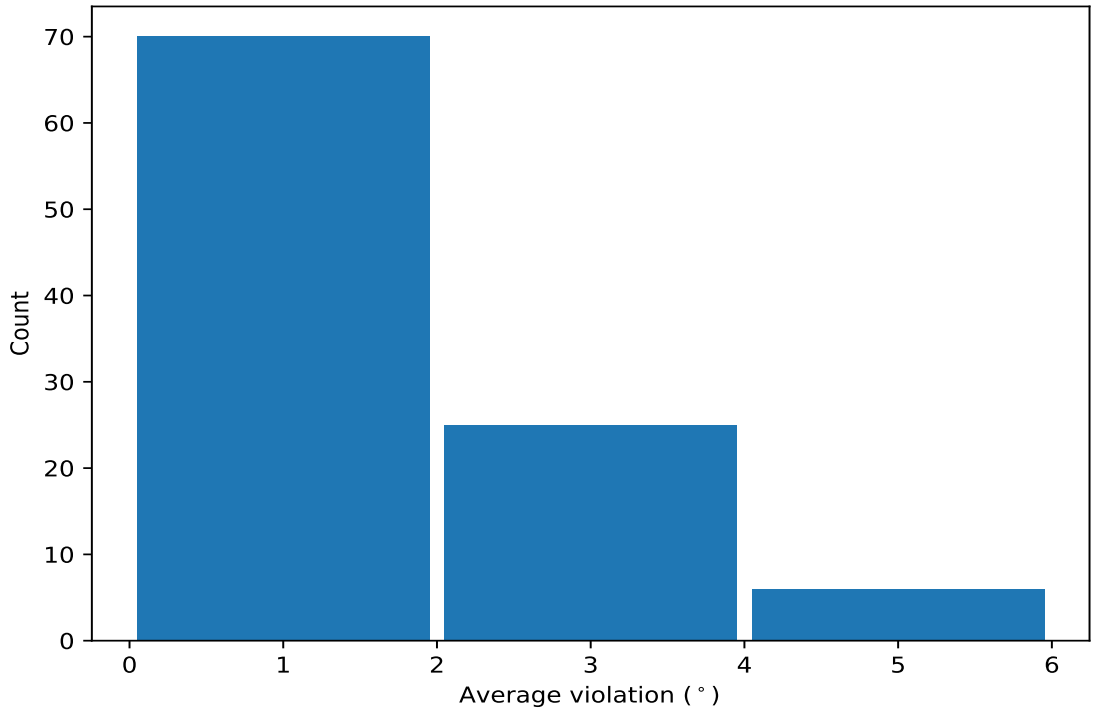
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble



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

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

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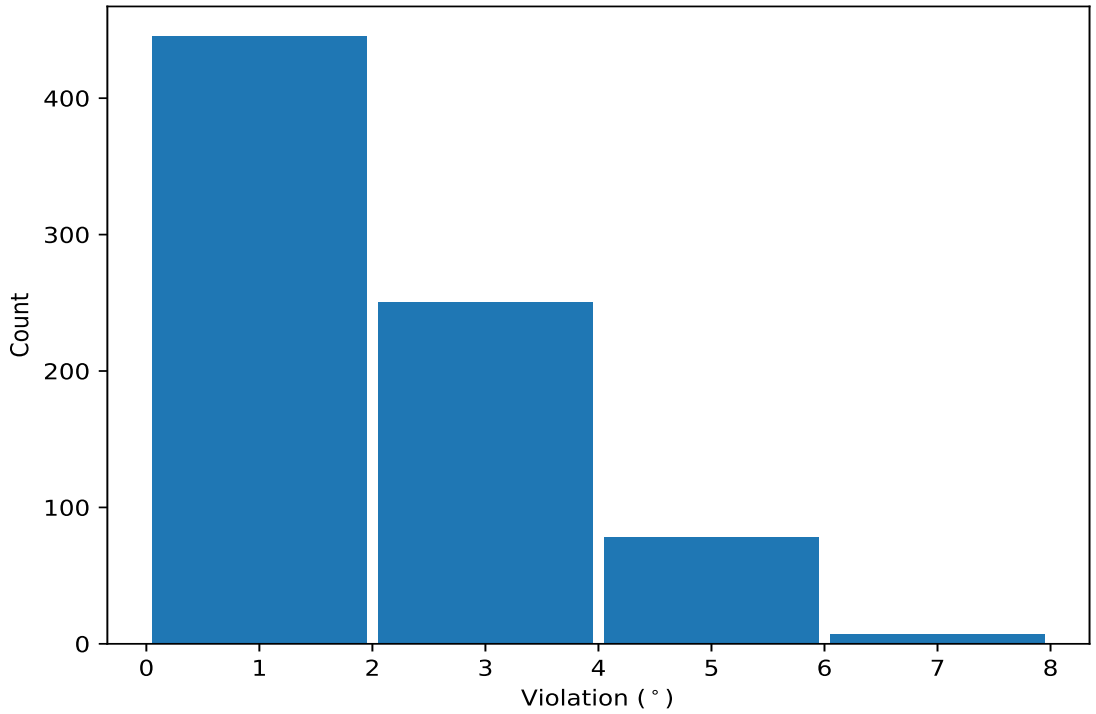
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,110)	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	1:757:C:TRP:N	3	2.02	0.99	1.45
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	3	1.61	0.6	1.38
(1,162)	1:787:C:ARG:N	1:787:C:ARG:CA	1:787:C:ARG:C	1:788:C:ARG:N	3	1.58	0.18	1.6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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Continued from previous page...

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

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