Full wwPDB NMR Structure Validation Report

Mar 5, 2026 – 01:15 AM UTC

PDB ID	:	6UJU / pdb_00006uju
BMRB ID	:	30678
Title	:	Structure of the HIV-1 gp41 transmembrane domain and cytoplasmic tail (LLP2)
Authors	:	Piai, A.; Fu, Q.; Cai, Y.; Ghantous, F.; Xiao, T.; Shaik, M.M.; Peng, H.; Rits-Volloch, S.; Liu, Z.; Chen, W.; Seaman, M.S.; Chen, B.; Chou, J.J.
Deposited on	:	2019-10-03

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

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

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

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

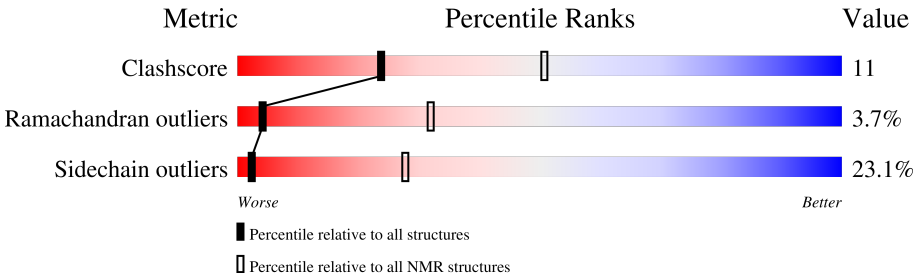
MolProbity	:	4-5-2 with Phenix2.0
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal geometry (proteins)	:	Engh & Huber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

1 Overall quality at a glance (i)

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

The overall completeness of chemical shifts assignment is 9%.

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	112	50% 27% • • 20%
1	B	112	48% 31% • 20%
1	C	112	48% 31% • 20%

2 Ensemble composition and analysis

This entry contains 15 models. Model 13 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:679-A:716, A:739-A:788, B:677-B:716, B:739-B:788, C:677-C:716, C:739-C:788 (268)	1.73	13

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

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

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

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

3 Entry composition (i)

There is only 1 type of molecule in this entry. The entry contains 4686 atoms, of which 2427 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Envelope glycoprotein GP41.

Mol	Chain	Residues	Atoms					Trace
1	A	90	Total	C	H	N	O	0
			1562	490	809	141	122	
1	B	90	Total	C	H	N	O	0
			1562	490	809	141	122	
1	C	90	Total	C	H	N	O	0
			1562	490	809	141	122	

There are 18 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
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
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

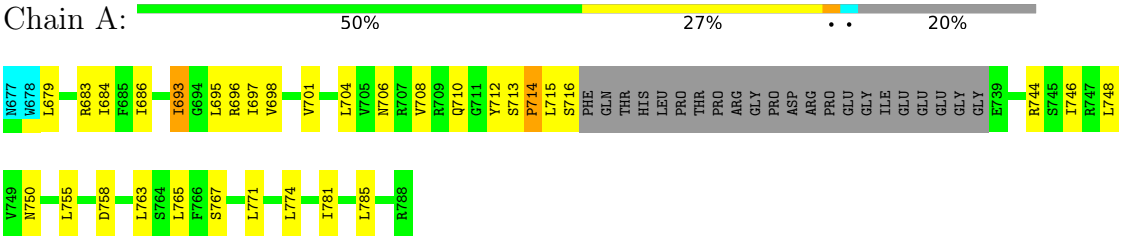
4 Residue-property plots

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.

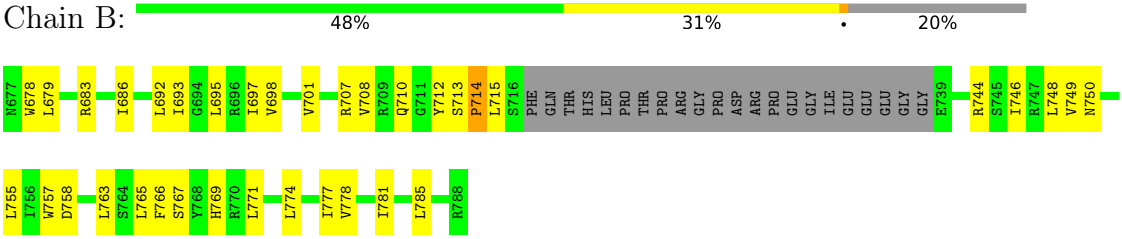
• Molecule 1: Envelope glycoprotein GP41

Chain A:



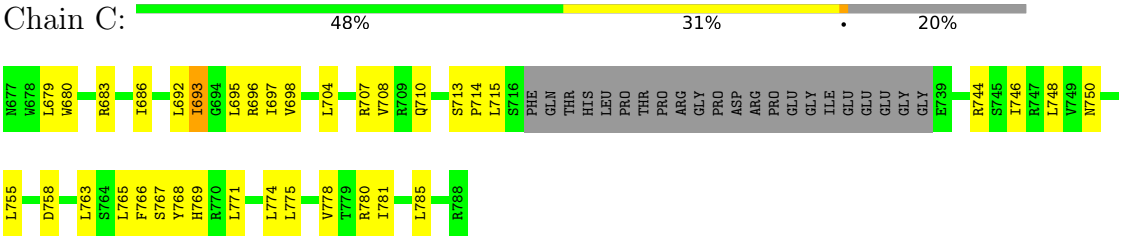
• Molecule 1: Envelope glycoprotein GP41

Chain B:



• Molecule 1: Envelope glycoprotein GP41

Chain C:



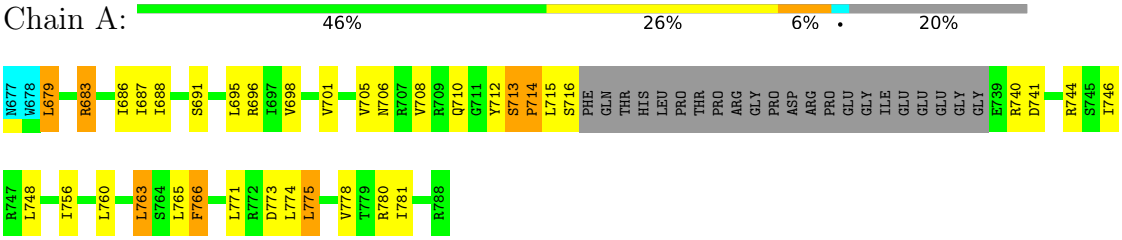
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

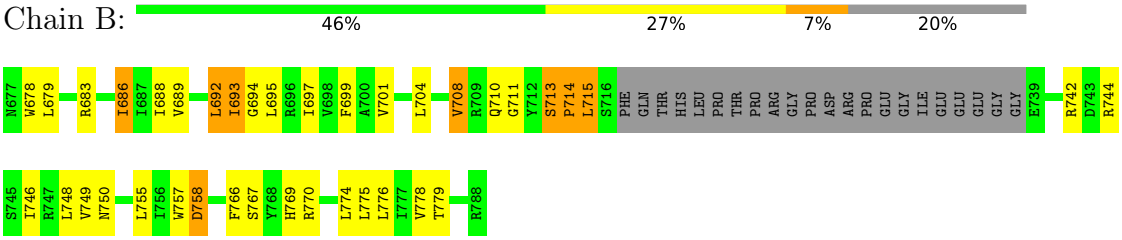
• Molecule 1: Envelope glycoprotein GP41

Chain A:



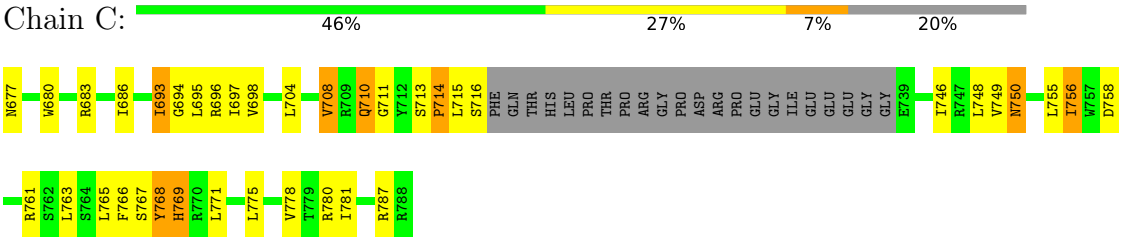
• Molecule 1: Envelope glycoprotein GP41

Chain B:



• Molecule 1: Envelope glycoprotein GP41

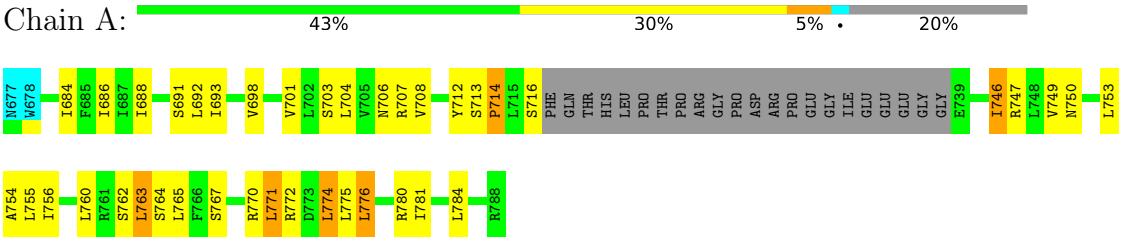
Chain C:



4.2.2 Score per residue for model 2

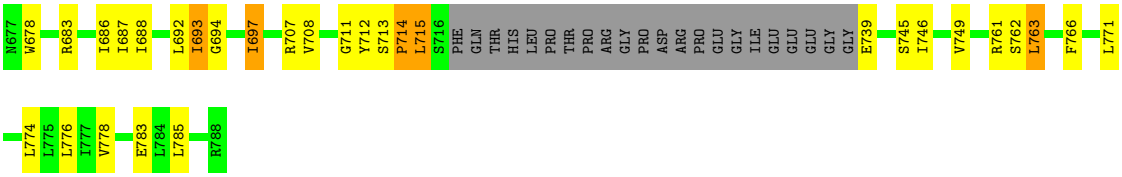
• Molecule 1: Envelope glycoprotein GP41

Chain A:

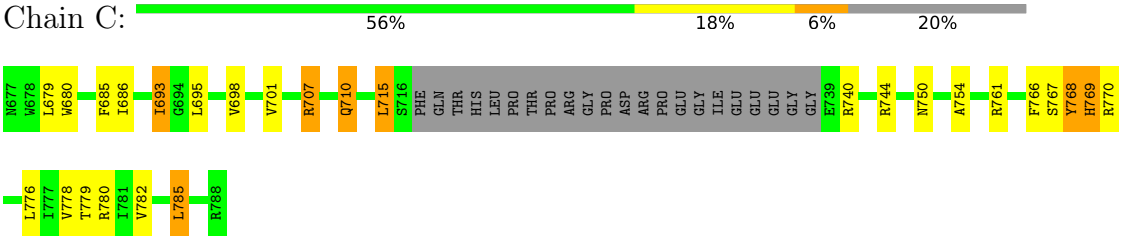


• Molecule 1: Envelope glycoprotein GP41

Chain B:

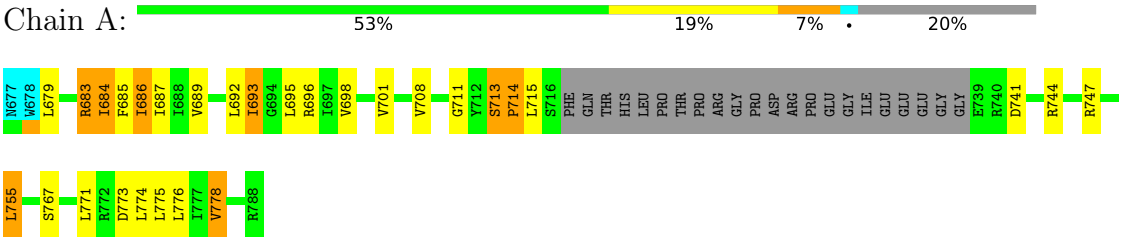


• Molecule 1: Envelope glycoprotein GP41

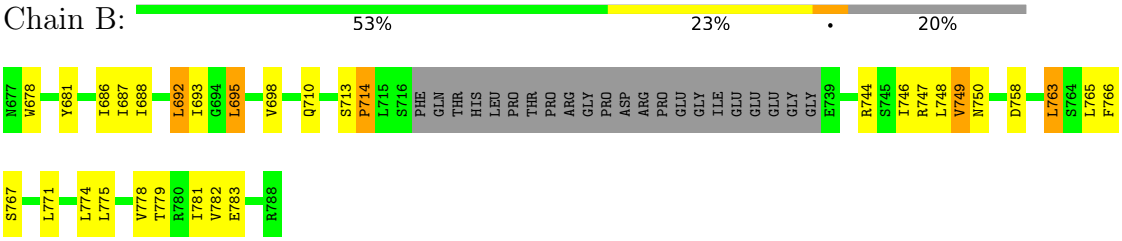


4.2.3 Score per residue for model 3

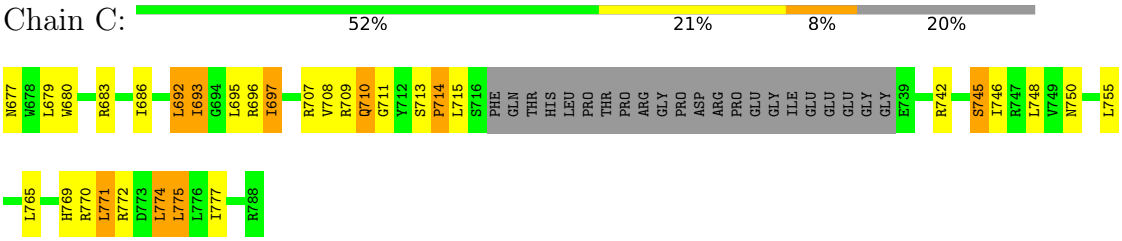
• Molecule 1: Envelope glycoprotein GP41



• Molecule 1: Envelope glycoprotein GP41



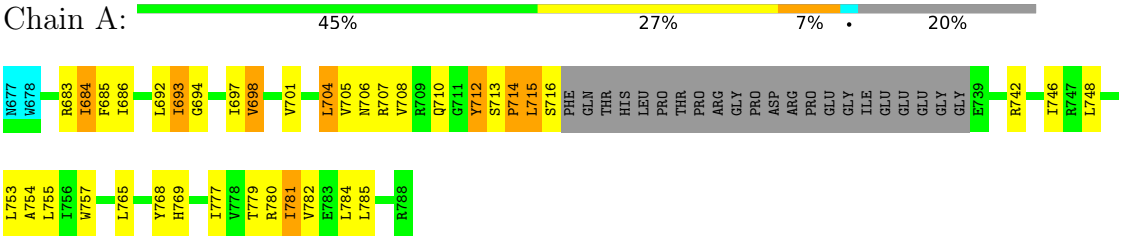
• Molecule 1: Envelope glycoprotein GP41



4.2.4 Score per residue for model 4

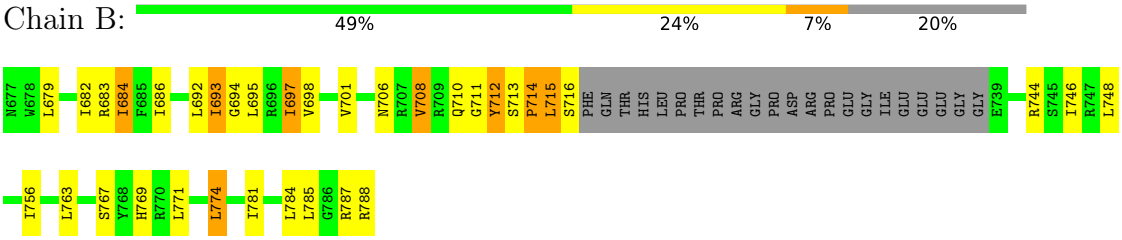
• Molecule 1: Envelope glycoprotein GP41

Chain A:



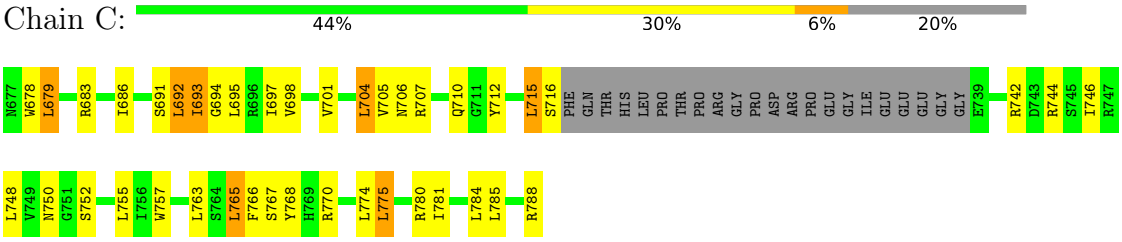
• Molecule 1: Envelope glycoprotein GP41

Chain B:



• Molecule 1: Envelope glycoprotein GP41

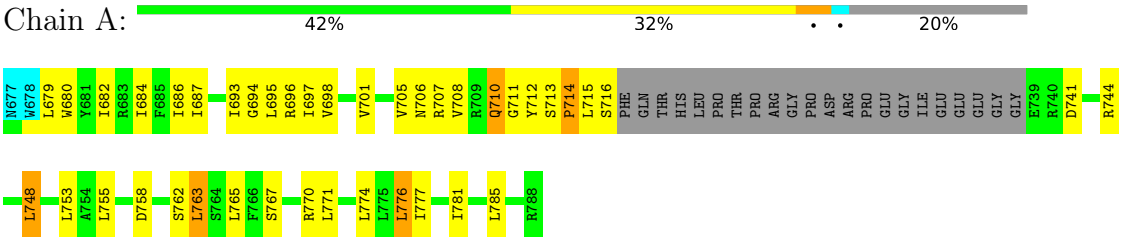
Chain C:



4.2.5 Score per residue for model 5

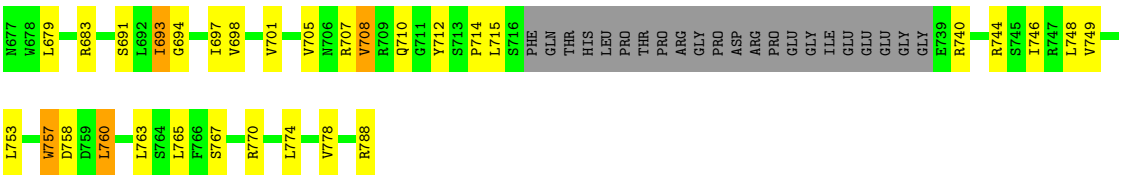
• Molecule 1: Envelope glycoprotein GP41

Chain A:

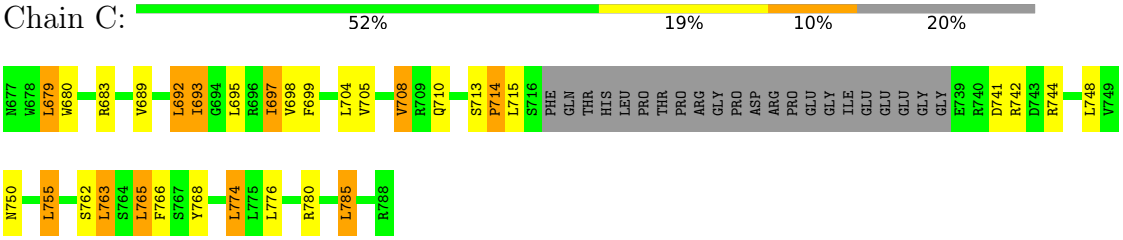


• Molecule 1: Envelope glycoprotein GP41

Chain B:

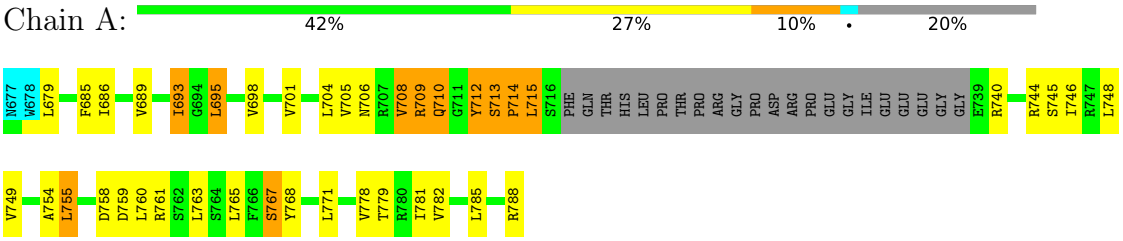


• Molecule 1: Envelope glycoprotein GP41

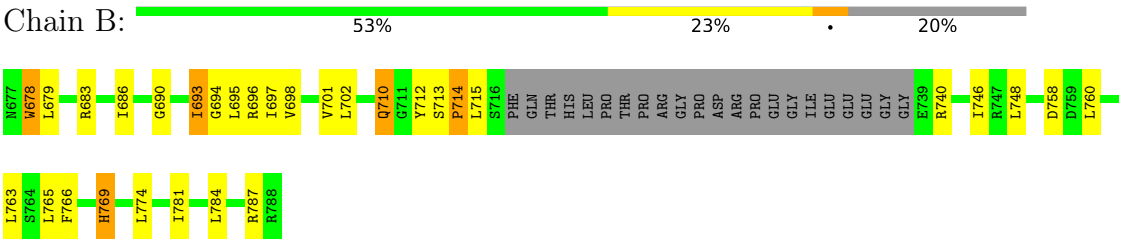


4.2.6 Score per residue for model 6

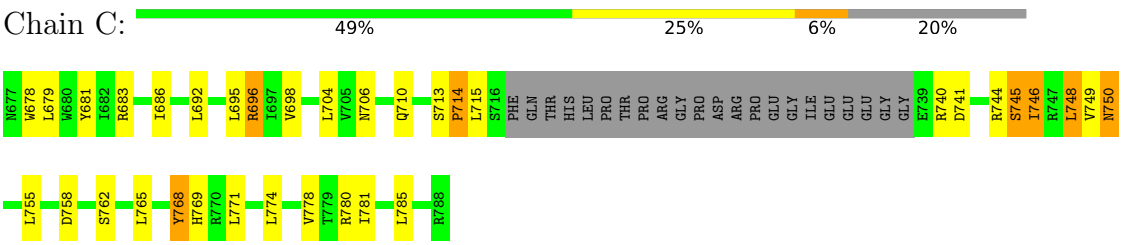
• Molecule 1: Envelope glycoprotein GP41



• Molecule 1: Envelope glycoprotein GP41



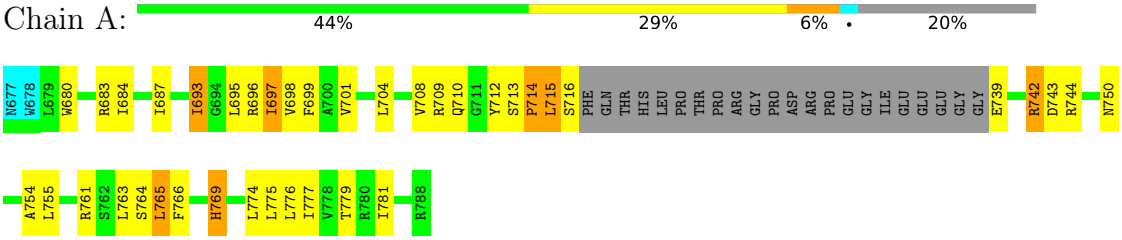
• Molecule 1: Envelope glycoprotein GP41



4.2.7 Score per residue for model 7

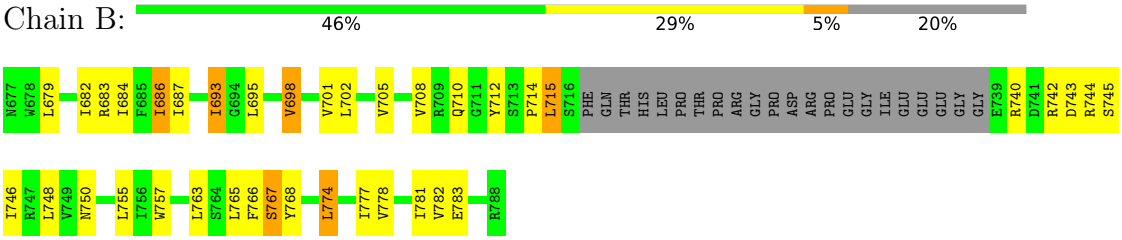
• Molecule 1: Envelope glycoprotein GP41

Chain A:



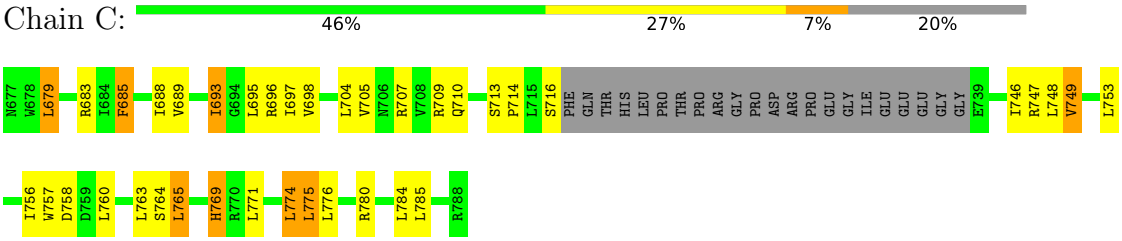
• Molecule 1: Envelope glycoprotein GP41

Chain B:



• Molecule 1: Envelope glycoprotein GP41

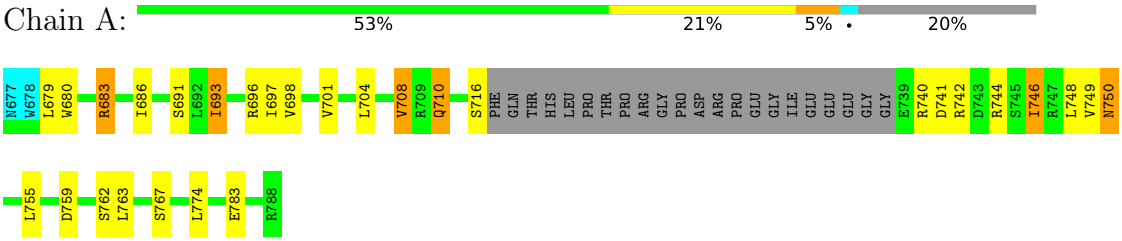
Chain C:



4.2.8 Score per residue for model 8

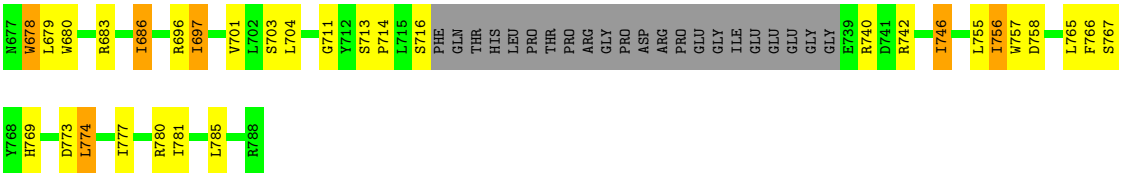
• Molecule 1: Envelope glycoprotein GP41

Chain A:

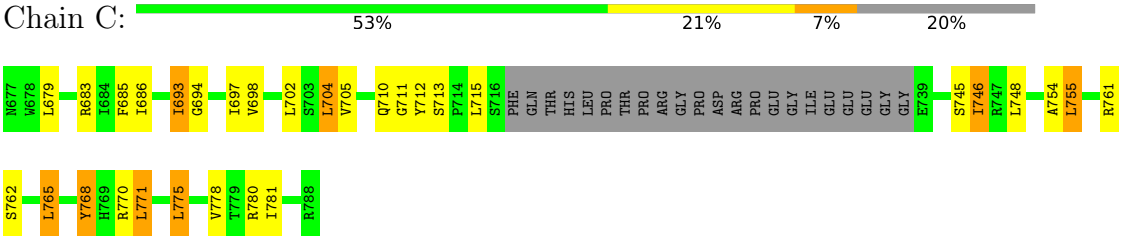


• Molecule 1: Envelope glycoprotein GP41

Chain B:

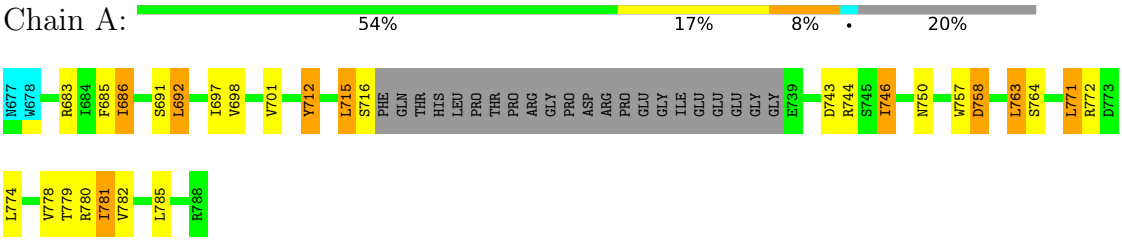


• Molecule 1: Envelope glycoprotein GP41

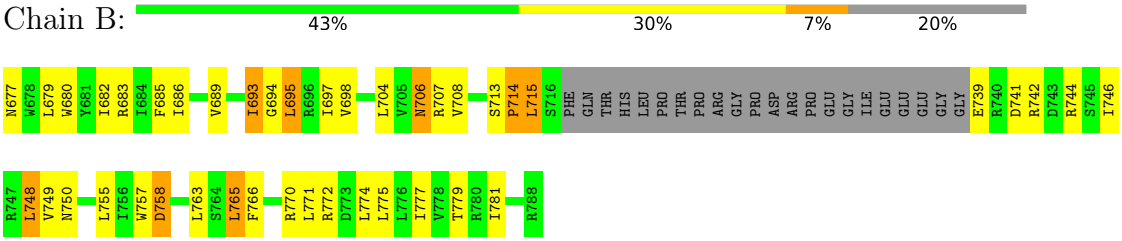


4.2.9 Score per residue for model 9

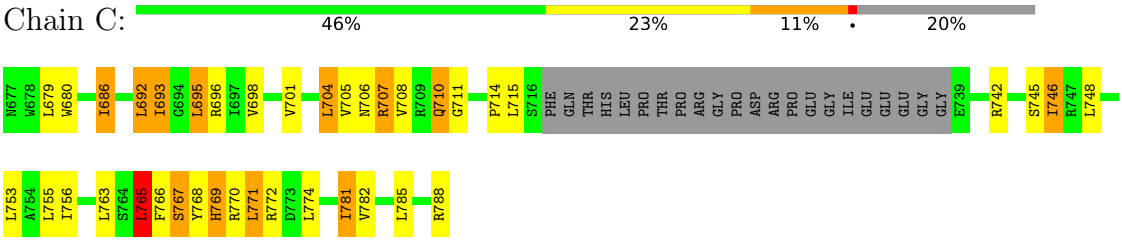
• Molecule 1: Envelope glycoprotein GP41



• Molecule 1: Envelope glycoprotein GP41



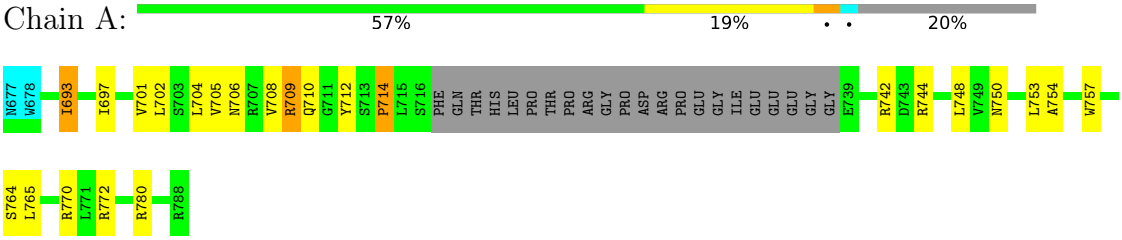
• Molecule 1: Envelope glycoprotein GP41



4.2.10 Score per residue for model 10

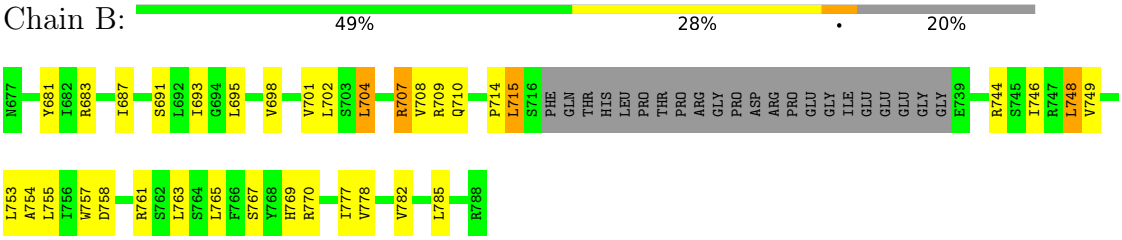
• Molecule 1: Envelope glycoprotein GP41

Chain A:



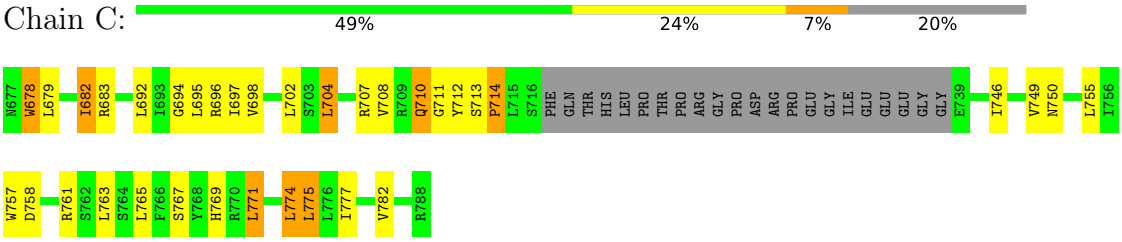
• Molecule 1: Envelope glycoprotein GP41

Chain B:



• Molecule 1: Envelope glycoprotein GP41

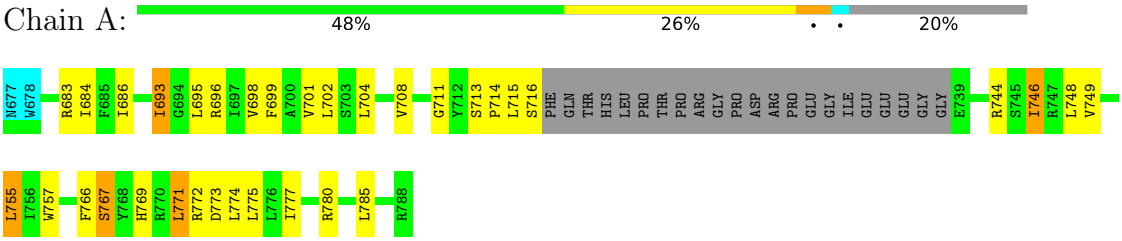
Chain C:



4.2.11 Score per residue for model 11

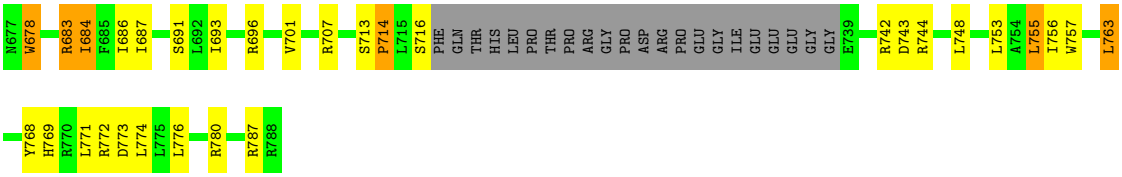
• Molecule 1: Envelope glycoprotein GP41

Chain A:

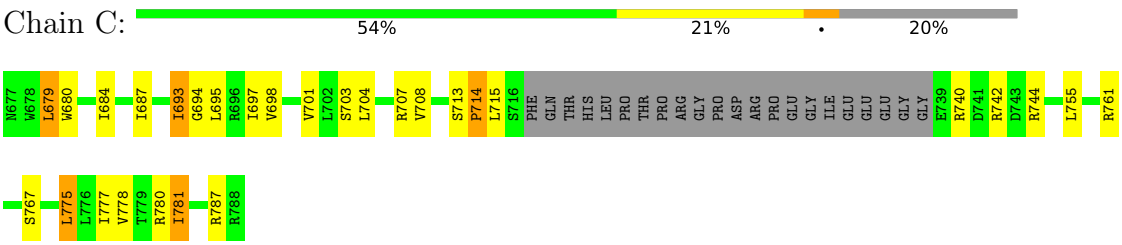


• Molecule 1: Envelope glycoprotein GP41

Chain B:

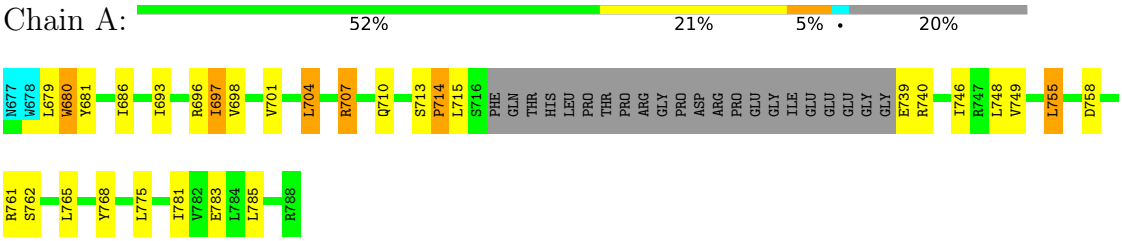


• Molecule 1: Envelope glycoprotein GP41

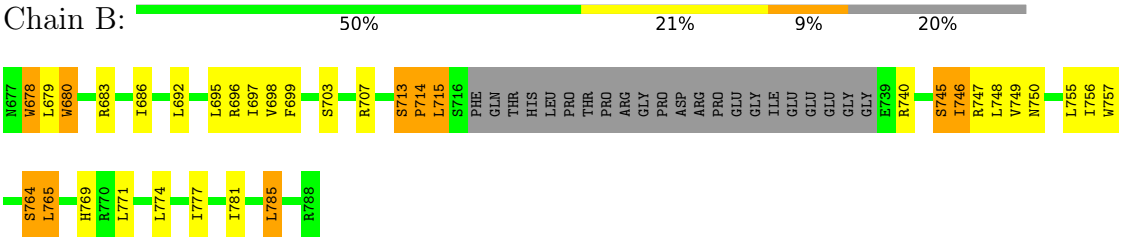


4.2.12 Score per residue for model 12

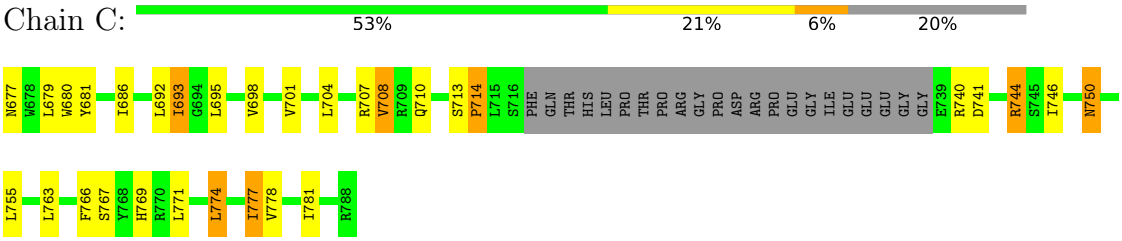
• Molecule 1: Envelope glycoprotein GP41



• Molecule 1: Envelope glycoprotein GP41



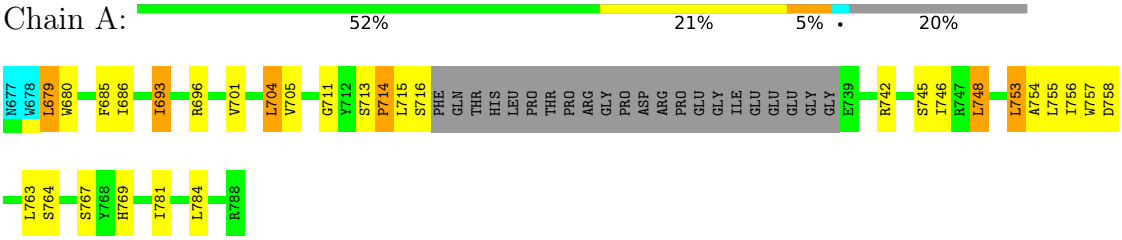
• Molecule 1: Envelope glycoprotein GP41



4.2.13 Score per residue for model 13 (medoid)

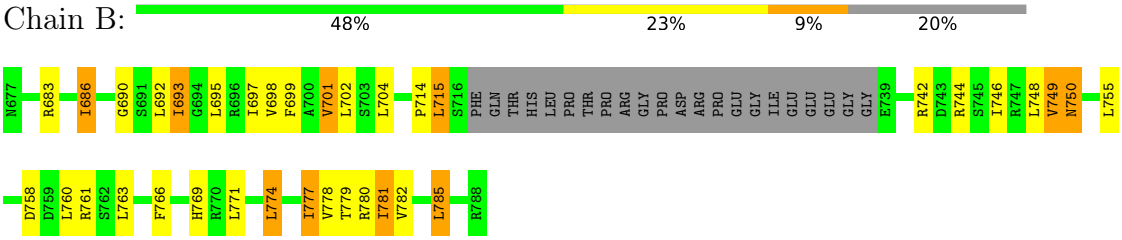
• Molecule 1: Envelope glycoprotein GP41

Chain A:



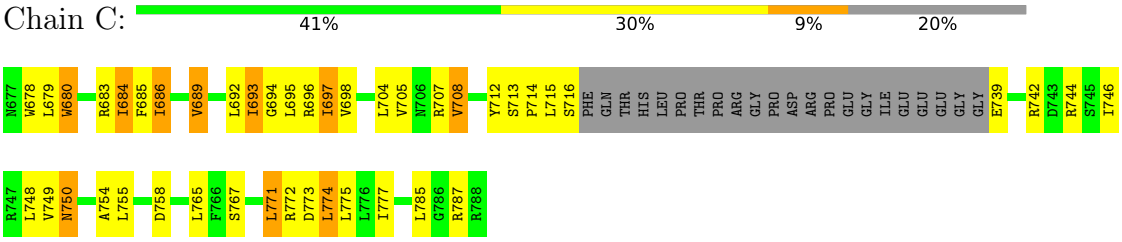
• Molecule 1: Envelope glycoprotein GP41

Chain B:



• Molecule 1: Envelope glycoprotein GP41

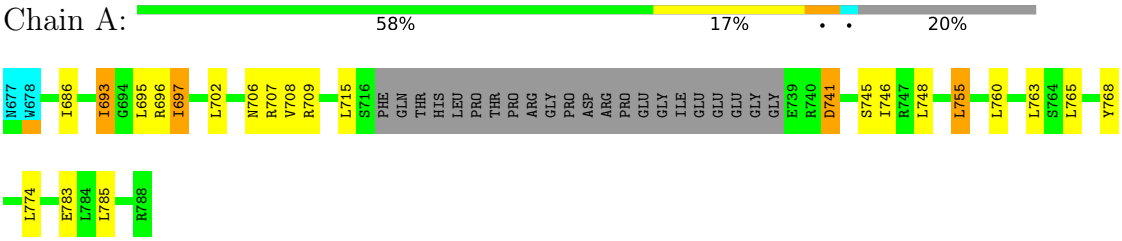
Chain C:



4.2.14 Score per residue for model 14

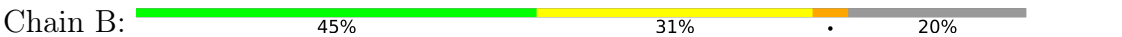
• Molecule 1: Envelope glycoprotein GP41

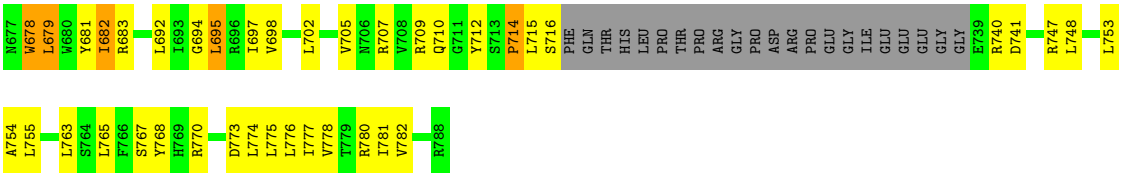
Chain A:



• Molecule 1: Envelope glycoprotein GP41

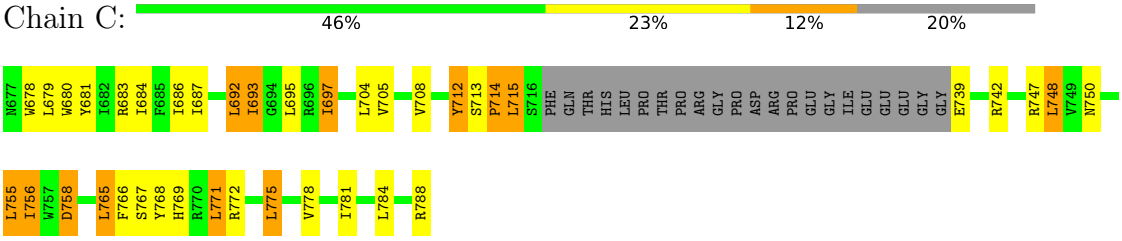
Chain B:





• Molecule 1: Envelope glycoprotein GP41

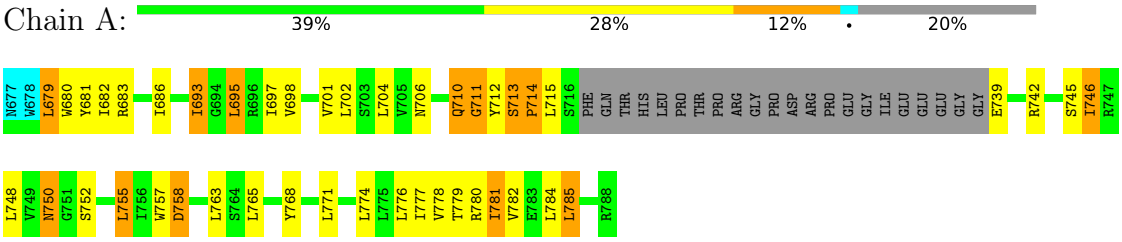
Chain C:



4.2.15 Score per residue for model 15

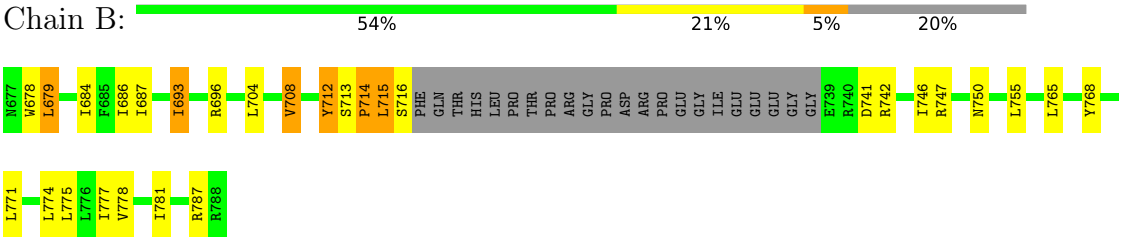
• Molecule 1: Envelope glycoprotein GP41

Chain A:



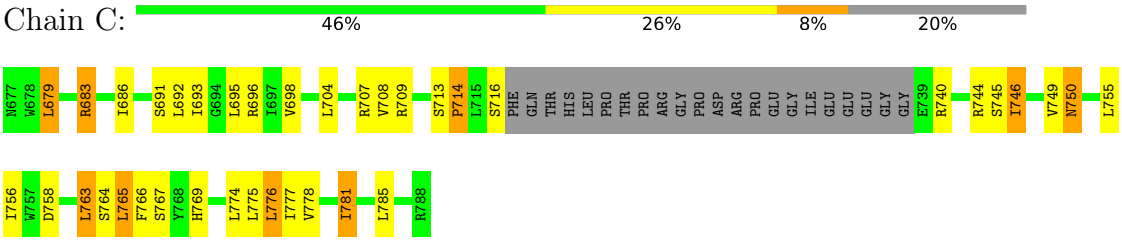
• Molecule 1: Envelope glycoprotein GP41

Chain B:



• Molecule 1: Envelope glycoprotein 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	460
Number of shifts mapped to atoms	367
Number of unparsed shifts	0
Number of shifts with mapping errors	93
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	9%

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	0.90±0.02	0±0/741 (0.0± 0.0%)	1.14±0.03	0±0/998 (0.0± 0.0%)
1	B	0.87±0.02	0±0/765 (0.0± 0.0%)	1.14±0.02	0±0/1032 (0.0± 0.0%)
1	C	0.88±0.02	0±0/765 (0.0± 0.0%)	1.13±0.02	0±1/1032 (0.0± 0.1%)
All	All	0.88	1/34065 (0.0%)	1.14	11/45930 (0.0%)

All unique bond outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	693	ILE	CA-CB	5.37	1.60	1.54	10	1

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

Mol	Chain	Res	Type	Atoms	Z	Observed(^{o})	Ideal(^{o})	Models	
								Worst	Total
1	B	758	ASP	CA-CB-CG	-7.40	105.20	112.60	9	1
1	C	699	PHE	CA-CB-CG	-5.90	107.90	113.80	5	1
1	C	758	ASP	CA-CB-CG	-5.56	107.04	112.60	14	1
1	A	685	PHE	CA-CB-CG	-5.54	108.26	113.80	3	2
1	C	757	TRP	N-CA-C	5.53	117.11	111.14	10	1
1	B	699	PHE	CA-CB-CG	-5.50	108.30	113.80	12	2
1	A	757	TRP	N-CA-C	5.34	116.91	111.14	4	1
1	C	697	ILE	CB-CA-C	-5.33	104.94	112.14	5	1
1	A	699	PHE	CA-CB-CG	-5.24	108.56	113.80	11	1

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts (i)

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

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	731	791	789	20±5
1	B	753	809	804	21±6
1	C	753	809	804	22±6
All	All	33555	36135	35955	757

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 11.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:781:ILE:HG23	1:B:746:ILE:HG23	1.06	1.23	12	2
1:A:754:ALA:HB2	1:B:715:LEU:HD22	1.02	1.21	4	1
1:A:746:ILE:HG23	1:C:781:ILE:HD11	0.84	1.49	15	1
1:B:692:LEU:HD13	1:B:693:ILE:N	0.82	1.90	1	1
1:B:746:ILE:O	1:B:749:VAL:HG22	0.81	1.76	3	2
1:B:686:ILE:HG21	1:C:686:ILE:HG23	0.80	1.51	9	1
1:C:748:LEU:HD13	1:C:749:VAL:N	0.75	1.97	6	1
1:B:749:VAL:HG23	1:B:750:ASN:ND2	0.75	1.97	3	1
1:C:698:VAL:O	1:C:701:VAL:HG22	0.74	1.83	12	3
1:A:775:LEU:O	1:A:778:VAL:HG22	0.74	1.83	1	1
1:B:774:LEU:O	1:B:778:VAL:HG23	0.73	1.84	5	2
1:A:746:ILE:HG23	1:C:781:ILE:CD1	0.72	2.14	15	1
1:A:686:ILE:CD1	1:C:686:ILE:HG21	0.72	2.14	6	1
1:A:693:ILE:O	1:A:693:ILE:HD13	0.72	1.83	11	1
1:A:785:LEU:HD22	1:B:746:ILE:HG22	0.71	1.62	12	1
1:A:777:ILE:O	1:A:781:ILE:HD12	0.71	1.85	4	2
1:C:771:LEU:HD13	1:C:772:ARG:N	0.71	2.01	14	3
1:C:775:LEU:O	1:C:778:VAL:HG22	0.70	1.85	15	5
1:A:758:ASP:OD2	1:B:715:LEU:HD12	0.70	1.86	6	1
1:B:779:THR:O	1:B:782:VAL:HG22	0.70	1.86	13	1
1:C:684:ILE:O	1:C:684:ILE:HD13	0.70	1.87	13	1
1:A:710:GLN:OE1	1:C:704:LEU:HD21	0.69	1.87	8	1
1:A:748:LEU:HD11	1:B:714:PRO:CG	0.69	2.18	6	1
1:A:781:ILE:CG2	1:B:746:ILE:HG23	0.68	2.12	12	1
1:A:785:LEU:HD22	1:B:750:ASN:ND2	0.68	2.04	15	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:698:VAL:O	1:B:701:VAL:HG22	0.68	1.88	6	5
1:A:695:LEU:C	1:A:695:LEU:HD22	0.67	2.15	6	1
1:C:693:ILE:HD13	1:C:693:ILE:O	0.67	1.89	14	8
1:C:763:LEU:HD22	1:C:764:SER:N	0.67	2.03	15	1
1:A:698:VAL:O	1:A:701:VAL:HG22	0.67	1.89	5	11
1:B:693:ILE:HD11	1:C:696:ARG:NE	0.67	2.04	13	1
1:A:686:ILE:HD12	1:C:686:ILE:HG21	0.66	1.67	6	2
1:C:755:LEU:C	1:C:755:LEU:HD22	0.66	2.15	14	1
1:A:746:ILE:HD13	1:C:781:ILE:HD12	0.65	1.66	8	1
1:B:778:VAL:O	1:B:781:ILE:HG22	0.65	1.92	13	1
1:B:748:LEU:O	1:B:748:LEU:HD13	0.65	1.92	3	3
1:B:755:LEU:HD13	1:B:756:ILE:N	0.65	2.06	11	1
1:A:771:LEU:HD13	1:A:771:LEU:O	0.65	1.90	2	3
1:C:778:VAL:O	1:C:781:ILE:HG22	0.65	1.92	12	2
1:A:774:LEU:H	1:A:774:LEU:HD13	0.65	1.51	2	1
1:A:755:LEU:HD22	1:A:755:LEU:O	0.65	1.91	3	5
1:B:684:ILE:O	1:B:687:ILE:HG22	0.65	1.92	15	2
1:A:693:ILE:CG2	1:B:693:ILE:HG22	0.64	2.22	2	2
1:A:699:PHE:CG	1:C:697:ILE:HD11	0.64	2.28	7	1
1:B:758:ASP:CG	1:C:715:LEU:HD21	0.64	2.18	1	2
1:B:694:GLY:O	1:B:697:ILE:HG22	0.64	1.93	5	7
1:B:686:ILE:HG21	1:C:686:ILE:HD12	0.64	1.69	12	1
1:C:774:LEU:HD13	1:C:777:ILE:HD12	0.64	1.70	12	1
1:A:704:LEU:HD11	1:B:707:ARG:NE	0.63	2.08	10	1
1:A:785:LEU:HD23	1:B:750:ASN:ND2	0.63	2.08	12	1
1:B:710:GLN:O	1:B:715:LEU:HD12	0.63	1.94	1	1
1:C:679:LEU:HD13	1:C:679:LEU:O	0.63	1.94	11	7
1:C:697:ILE:HD13	1:C:697:ILE:O	0.63	1.93	13	2
1:B:686:ILE:HG23	1:C:686:ILE:CD1	0.63	2.24	13	2
1:A:679:LEU:HD22	1:A:680:TRP:N	0.63	2.08	13	1
1:B:705:VAL:HG22	1:B:748:LEU:HD22	0.63	1.71	14	1
1:C:695:LEU:HD22	1:C:695:LEU:C	0.63	2.18	9	1
1:A:779:THR:O	1:A:782:VAL:HG22	0.63	1.94	9	3
1:A:693:ILE:HG21	1:B:693:ILE:HG22	0.62	1.71	2	3
1:B:774:LEU:HD22	1:B:777:ILE:HD11	0.62	1.69	13	3
1:C:705:VAL:HG22	1:C:748:LEU:HD11	0.62	1.71	13	2
1:C:708:VAL:HG12	1:C:748:LEU:HD11	0.62	1.70	5	1
1:C:693:ILE:HD12	1:C:693:ILE:O	0.62	1.94	12	2
1:A:695:LEU:HD22	1:A:695:LEU:O	0.61	1.94	6	1
1:A:694:GLY:O	1:A:697:ILE:HG22	0.61	1.94	5	2
1:C:775:LEU:O	1:C:775:LEU:HD13	0.61	1.96	10	4

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:697:ILE:O	1:B:697:ILE:HD13	0.61	1.95	8	3
1:B:763:LEU:O	1:B:774:LEU:HD13	0.61	1.95	6	3
1:A:697:ILE:O	1:A:697:ILE:HD13	0.61	1.95	12	3
1:B:679:LEU:HD13	1:B:679:LEU:O	0.61	1.96	1	3
1:C:777:ILE:HD12	1:C:778:VAL:N	0.61	2.11	15	1
1:A:771:LEU:HD23	1:A:771:LEU:O	0.61	1.95	15	2
1:C:710:GLN:CB	1:C:715:LEU:HD23	0.61	2.25	2	1
1:C:695:LEU:O	1:C:698:VAL:HG12	0.60	1.96	9	9
1:B:781:ILE:HD12	1:C:746:ILE:HG21	0.60	1.72	3	3
1:C:768:TYR:O	1:C:771:LEU:HD12	0.60	1.95	14	1
1:A:754:ALA:CB	1:B:715:LEU:HD22	0.60	2.14	4	1
1:A:679:LEU:HD13	1:A:680:TRP:H	0.60	1.56	15	1
1:A:696:ARG:HG3	1:C:693:ILE:HD11	0.60	1.74	1	4
1:C:748:LEU:HD13	1:C:748:LEU:O	0.60	1.96	1	2
1:A:686:ILE:CG2	1:B:686:ILE:HD12	0.60	2.26	2	1
1:A:705:VAL:HG22	1:A:748:LEU:HD12	0.60	1.74	4	1
1:A:755:LEU:HD23	1:B:710:GLN:HE21	0.60	1.54	3	1
1:B:771:LEU:HD23	1:B:771:LEU:O	0.60	1.97	3	3
1:A:679:LEU:HD13	1:A:680:TRP:N	0.60	2.12	15	1
1:B:710:GLN:HG3	1:B:715:LEU:HD13	0.59	1.74	6	1
1:A:679:LEU:HD12	1:A:680:TRP:N	0.59	2.13	12	2
1:C:695:LEU:O	1:C:695:LEU:HD23	0.59	1.97	4	5
1:A:695:LEU:O	1:A:698:VAL:HG12	0.59	1.98	6	4
1:A:746:ILE:HG23	1:C:781:ILE:CG1	0.59	2.28	15	1
1:A:778:VAL:O	1:A:781:ILE:HG22	0.59	1.98	9	1
1:C:705:VAL:HG22	1:C:748:LEU:CD1	0.59	2.27	13	1
1:C:746:ILE:O	1:C:749:VAL:HG22	0.58	1.98	15	4
1:A:748:LEU:HD11	1:B:714:PRO:HG3	0.58	1.73	6	1
1:A:776:LEU:O	1:A:779:THR:HG22	0.58	1.97	7	2
1:C:771:LEU:HD22	1:C:772:ARG:N	0.58	2.13	13	1
1:B:686:ILE:CG2	1:C:686:ILE:HD12	0.58	2.28	12	3
1:A:696:ARG:HE	1:C:693:ILE:HD11	0.58	1.57	12	3
1:B:781:ILE:HG21	1:C:746:ILE:CG2	0.58	2.29	9	3
1:B:698:VAL:O	1:B:701:VAL:HG12	0.58	1.98	13	1
1:A:704:LEU:CD2	1:A:755:LEU:HD23	0.58	2.29	6	1
1:B:755:LEU:HD22	1:B:755:LEU:O	0.58	1.99	11	1
1:B:755:LEU:HA	1:C:715:LEU:HD23	0.58	1.74	1	1
1:C:715:LEU:HD13	1:C:715:LEU:O	0.58	1.99	2	1
1:A:755:LEU:HD23	1:B:710:GLN:NE2	0.58	2.14	3	1
1:A:776:LEU:HD22	1:A:776:LEU:O	0.57	1.99	5	1
1:A:771:LEU:C	1:A:771:LEU:HD22	0.57	2.24	11	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:774:LEU:CD2	1:B:777:ILE:HD11	0.57	2.29	12	2
1:C:756:ILE:HD12	1:C:757:TRP:N	0.57	2.14	7	1
1:A:679:LEU:HD22	1:A:679:LEU:C	0.57	2.25	15	2
1:C:694:GLY:O	1:C:697:ILE:HG22	0.57	1.99	8	6
1:A:754:ALA:O	1:B:715:LEU:HD11	0.57	1.99	6	1
1:A:697:ILE:HD11	1:B:696:ARG:NH2	0.57	2.15	8	1
1:C:708:VAL:CG1	1:C:748:LEU:HD11	0.57	2.29	5	1
1:A:704:LEU:HD22	1:A:755:LEU:HD23	0.57	1.77	6	1
1:A:745:SER:HA	1:A:748:LEU:HD13	0.57	1.76	6	1
1:A:713:SER:CB	1:C:708:VAL:HG23	0.56	2.30	12	2
1:A:776:LEU:HD13	1:A:777:ILE:N	0.56	2.15	5	1
1:A:777:ILE:O	1:A:781:ILE:HD13	0.56	1.99	15	1
1:B:707:ARG:NH1	1:B:708:VAL:HG23	0.56	2.14	5	1
1:A:774:LEU:HD21	1:B:742:ARG:NH2	0.56	2.15	11	1
1:B:776:LEU:O	1:B:779:THR:HG22	0.56	1.99	1	1
1:C:756:ILE:O	1:C:756:ILE:HD13	0.56	2.01	1	1
1:A:754:ALA:HB3	1:B:715:LEU:HD13	0.56	1.77	2	1
1:B:715:LEU:H	1:B:715:LEU:HD23	0.56	1.60	5	1
1:B:758:ASP:CG	1:C:710:GLN:HB2	0.56	2.25	9	1
1:B:785:LEU:HD21	1:C:750:ASN:ND2	0.56	2.15	12	2
1:C:771:LEU:HD22	1:C:771:LEU:C	0.56	2.25	13	1
1:B:758:ASP:CB	1:C:715:LEU:HD21	0.56	2.31	1	1
1:B:758:ASP:OD2	1:C:715:LEU:HD22	0.56	2.00	6	1
1:B:774:LEU:HD13	1:B:774:LEU:O	0.56	2.00	11	2
1:A:746:ILE:CG2	1:C:781:ILE:HD11	0.56	2.28	15	1
1:C:771:LEU:C	1:C:771:LEU:HD22	0.56	2.25	3	3
1:B:774:LEU:HD21	1:C:742:ARG:NE	0.55	2.16	11	1
1:A:753:LEU:HD21	1:A:757:TRP:CZ3	0.55	2.36	13	1
1:C:765:LEU:O	1:C:765:LEU:HD13	0.55	2.02	9	1
1:A:774:LEU:HD22	1:A:775:LEU:N	0.55	2.16	2	1
1:C:768:TYR:CD1	1:C:771:LEU:HD21	0.55	2.37	8	1
1:A:686:ILE:HG21	1:B:686:ILE:HG13	0.55	1.76	13	1
1:B:781:ILE:HD12	1:C:746:ILE:HG23	0.55	1.78	8	1
1:B:686:ILE:HG22	1:C:686:ILE:HD12	0.55	1.79	4	1
1:A:748:LEU:HD23	1:A:748:LEU:O	0.55	2.01	5	1
1:A:705:VAL:HG13	1:A:748:LEU:HD13	0.55	1.78	10	1
1:A:758:ASP:OD1	1:B:715:LEU:HD23	0.55	2.01	13	1
1:C:710:GLN:O	1:C:715:LEU:HD22	0.55	2.02	1	1
1:A:684:ILE:HD13	1:A:684:ILE:O	0.55	2.02	3	2
1:B:774:LEU:C	1:B:774:LEU:HD13	0.55	2.27	14	3
1:A:746:ILE:CG2	1:C:781:ILE:HG21	0.54	2.32	1	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:746:ILE:O	1:C:749:VAL:HG23	0.54	2.02	13	2
1:A:711:GLY:HA3	1:A:715:LEU:HD13	0.54	1.79	15	2
1:C:755:LEU:O	1:C:755:LEU:HD22	0.54	2.03	8	2
1:B:748:LEU:HD13	1:B:748:LEU:C	0.54	2.27	3	1
1:B:686:ILE:HG23	1:C:686:ILE:HD11	0.54	1.79	13	1
1:A:693:ILE:HD12	1:A:693:ILE:O	0.54	2.03	15	2
1:A:746:ILE:O	1:A:749:VAL:HG22	0.54	2.03	8	2
1:A:693:ILE:HD11	1:B:692:LEU:HD23	0.54	1.79	14	2
1:C:768:TYR:O	1:C:770:ARG:N	0.54	2.41	2	1
1:B:693:ILE:HD12	1:B:693:ILE:O	0.54	2.03	9	4
1:A:754:ALA:HB1	1:B:715:LEU:CD1	0.54	2.32	7	1
1:C:710:GLN:O	1:C:715:LEU:HD13	0.54	2.03	1	1
1:B:715:LEU:O	1:B:716:SER:C	0.53	2.50	14	1
1:A:710:GLN:CD	1:C:704:LEU:HD21	0.53	2.28	8	1
1:A:781:ILE:HD13	1:B:746:ILE:HG21	0.53	1.81	4	1
1:B:715:LEU:HD22	1:B:715:LEU:O	0.53	2.03	13	1
1:B:757:TRP:CZ3	1:B:760:LEU:HD13	0.53	2.38	5	1
1:A:716:SER:HA	1:C:754:ALA:HB2	0.53	1.80	8	2
1:B:781:ILE:HG21	1:C:747:ARG:HH12	0.53	1.63	14	1
1:A:686:ILE:HG23	1:C:686:ILE:HG21	0.53	1.81	8	2
1:B:715:LEU:HD22	1:B:715:LEU:C	0.53	2.28	13	1
1:B:763:LEU:HA	1:B:774:LEU:HD22	0.53	1.79	4	2
1:B:775:LEU:C	1:B:775:LEU:HD13	0.53	2.29	3	2
1:B:695:LEU:HD23	1:B:695:LEU:O	0.53	2.04	12	2
1:B:708:VAL:HG11	1:C:714:PRO:HD3	0.53	1.81	7	1
1:B:755:LEU:HD21	1:C:710:GLN:NE2	0.52	2.18	1	2
1:C:710:GLN:HB3	1:C:715:LEU:HD23	0.52	1.80	2	1
1:A:696:ARG:NE	1:C:693:ILE:HD11	0.52	2.19	5	2
1:B:708:VAL:HG12	1:B:748:LEU:HD11	0.52	1.81	4	1
1:C:679:LEU:C	1:C:679:LEU:HD13	0.52	2.28	9	1
1:B:715:LEU:HD23	1:B:716:SER:N	0.52	2.19	4	1
1:A:710:GLN:O	1:A:715:LEU:HD21	0.52	2.04	7	1
1:C:774:LEU:HD13	1:C:777:ILE:CD1	0.52	2.35	12	1
1:A:693:ILE:HD11	1:B:696:ARG:HG3	0.52	1.80	11	1
1:C:697:ILE:C	1:C:697:ILE:HD13	0.52	2.29	3	1
1:A:685:PHE:O	1:A:689:VAL:HG23	0.52	2.05	6	1
1:C:765:LEU:C	1:C:765:LEU:HD13	0.52	2.29	13	1
1:A:776:LEU:C	1:A:776:LEU:HD13	0.52	2.29	2	1
1:A:708:VAL:HG21	1:B:714:PRO:CD	0.52	2.35	14	4
1:A:695:LEU:C	1:A:695:LEU:HD23	0.52	2.30	5	1
1:A:781:ILE:HD12	1:B:746:ILE:CG2	0.52	2.35	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:713:SER:HB3	1:C:708:VAL:HG23	0.52	1.82	1	1
1:A:715:LEU:O	1:A:716:SER:C	0.52	2.51	5	5
1:B:708:VAL:HG21	1:C:714:PRO:CD	0.51	2.35	15	2
1:B:778:VAL:O	1:B:782:VAL:HG23	0.51	2.05	14	4
1:C:692:LEU:HD12	1:C:693:ILE:N	0.51	2.20	5	2
1:B:758:ASP:HB2	1:C:715:LEU:HD21	0.51	1.82	1	1
1:C:679:LEU:HD23	1:C:679:LEU:O	0.51	2.04	14	1
1:B:774:LEU:HD13	1:B:777:ILE:HD11	0.51	1.83	8	1
1:A:763:LEU:N	1:A:763:LEU:HD13	0.51	2.20	9	1
1:B:713:SER:O	1:B:714:PRO:C	0.51	2.53	11	8
1:B:748:LEU:HD11	1:C:714:PRO:HG3	0.51	1.83	11	1
1:B:693:ILE:HD11	1:C:692:LEU:HD23	0.51	1.82	10	3
1:C:763:LEU:O	1:C:774:LEU:HD13	0.51	2.05	5	1
1:B:748:LEU:HD11	1:C:714:PRO:CG	0.51	2.35	11	1
1:A:771:LEU:HD22	1:A:772:ARG:N	0.50	2.21	11	1
1:B:695:LEU:HD23	1:B:695:LEU:C	0.50	2.31	12	1
1:A:713:SER:OG	1:C:708:VAL:HG23	0.50	2.06	12	2
1:C:774:LEU:C	1:C:774:LEU:HD13	0.50	2.30	4	1
1:C:705:VAL:HG13	1:C:748:LEU:HD21	0.50	1.82	7	1
1:A:713:SER:HB2	1:C:708:VAL:HG23	0.50	1.82	12	1
1:A:693:ILE:HD11	1:B:696:ARG:CG	0.50	2.36	11	1
1:A:711:GLY:HA3	1:A:715:LEU:HD21	0.50	1.84	5	1
1:C:692:LEU:HD12	1:C:693:ILE:H	0.50	1.66	5	2
1:B:693:ILE:HD11	1:C:696:ARG:HG3	0.50	1.83	15	2
1:B:746:ILE:O	1:B:749:VAL:HG12	0.50	2.06	5	2
1:A:754:ALA:HA	1:B:715:LEU:HD23	0.50	1.83	10	1
1:C:776:LEU:C	1:C:776:LEU:HD13	0.50	2.32	2	3
1:A:755:LEU:C	1:A:755:LEU:HD13	0.50	2.32	13	6
1:B:774:LEU:HD13	1:B:774:LEU:C	0.50	2.31	11	1
1:A:781:ILE:HD12	1:B:746:ILE:HG21	0.50	1.83	1	2
1:B:695:LEU:O	1:B:698:VAL:HG12	0.50	2.07	10	5
1:C:771:LEU:HD13	1:C:772:ARG:H	0.50	1.67	14	3
1:C:748:LEU:C	1:C:748:LEU:HD22	0.50	2.32	6	1
1:A:713:SER:O	1:A:714:PRO:C	0.49	2.55	5	10
1:A:716:SER:C	1:C:754:ALA:HB2	0.49	2.32	2	1
1:C:704:LEU:HD13	1:C:704:LEU:O	0.49	2.07	9	3
1:B:745:SER:O	1:B:748:LEU:HD23	0.49	2.06	7	1
1:B:771:LEU:C	1:B:771:LEU:HD13	0.49	2.32	11	1
1:A:774:LEU:HD13	1:A:774:LEU:C	0.49	2.32	3	1
1:B:704:LEU:HD11	1:B:707:ARG:NH1	0.49	2.23	9	1
1:A:746:ILE:HD13	1:C:781:ILE:CD1	0.49	2.36	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:704:LEU:O	1:A:704:LEU:HD13	0.49	2.07	4	2
1:A:705:VAL:HG22	1:A:748:LEU:HD22	0.49	1.84	5	1
1:C:705:VAL:HG13	1:C:748:LEU:HD13	0.49	1.85	8	2
1:C:713:SER:O	1:C:715:LEU:HD22	0.49	2.08	8	1
1:A:774:LEU:O	1:A:778:VAL:HG23	0.49	2.08	9	2
1:A:774:LEU:HD22	1:A:777:ILE:HD11	0.49	1.84	11	1
1:A:763:LEU:O	1:A:774:LEU:HD22	0.49	2.07	1	1
1:A:784:LEU:C	1:A:784:LEU:HD12	0.49	2.33	4	1
1:A:742:ARG:CZ	1:C:774:LEU:HD21	0.49	2.37	7	1
1:A:710:GLN:NE2	1:C:755:LEU:HD21	0.49	2.23	8	1
1:A:686:ILE:CG2	1:B:686:ILE:HD11	0.49	2.37	9	1
1:C:774:LEU:HD22	1:C:777:ILE:HD11	0.48	1.84	10	2
1:B:755:LEU:HD23	1:B:755:LEU:O	0.48	2.08	13	1
1:C:693:ILE:HD13	1:C:693:ILE:C	0.48	2.32	14	1
1:A:785:LEU:HD21	1:B:746:ILE:HG22	0.48	1.85	15	1
1:B:692:LEU:HD13	1:B:692:LEU:C	0.48	2.31	1	1
1:A:750:ASN:OD1	1:C:785:LEU:HD22	0.48	2.08	2	1
1:B:755:LEU:C	1:B:755:LEU:HD23	0.48	2.34	8	6
1:A:746:ILE:O	1:A:749:VAL:HG23	0.48	2.08	6	3
1:C:704:LEU:C	1:C:704:LEU:HD13	0.48	2.32	14	1
1:C:763:LEU:HD22	1:C:763:LEU:C	0.48	2.33	15	1
1:A:765:LEU:C	1:A:765:LEU:HD13	0.48	2.32	1	1
1:A:705:VAL:HG22	1:A:748:LEU:HD13	0.48	1.83	1	1
1:A:686:ILE:CG1	1:C:686:ILE:HG21	0.48	2.39	9	1
1:A:754:ALA:HB1	1:B:715:LEU:HD21	0.48	1.85	13	1
1:C:763:LEU:O	1:C:774:LEU:HD22	0.48	2.09	15	1
1:A:708:VAL:HG21	1:B:714:PRO:HD3	0.48	1.84	6	3
1:A:755:LEU:C	1:A:755:LEU:HD23	0.48	2.34	7	3
1:A:755:LEU:HD22	1:B:710:GLN:OE1	0.48	2.09	4	1
1:B:684:ILE:HD13	1:B:684:ILE:O	0.48	2.09	4	1
1:B:755:LEU:HD22	1:B:755:LEU:C	0.48	2.33	11	1
1:C:707:ARG:NH2	1:C:708:VAL:HG23	0.48	2.24	13	1
1:B:715:LEU:HD13	1:B:715:LEU:H	0.47	1.68	1	1
1:B:781:ILE:HG21	1:C:746:ILE:HG23	0.47	1.86	6	2
1:A:686:ILE:HD12	1:C:686:ILE:CG2	0.47	2.39	12	1
1:A:758:ASP:HB3	1:B:715:LEU:HD13	0.47	1.86	15	1
1:B:781:ILE:CD1	1:C:746:ILE:HG21	0.47	2.37	4	1
1:B:755:LEU:HD13	1:B:755:LEU:C	0.47	2.35	11	1
1:C:775:LEU:HD13	1:C:775:LEU:C	0.47	2.34	1	1
1:B:774:LEU:HD21	1:C:742:ARG:HE	0.47	1.68	11	1
1:B:781:ILE:HD12	1:C:746:ILE:CG2	0.47	2.39	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:715:LEU:HD21	1:C:758:ASP:OD2	0.47	2.09	14	1
1:A:693:ILE:HG22	1:C:693:ILE:HG13	0.47	1.84	13	3
1:B:695:LEU:O	1:B:698:VAL:HG22	0.47	2.10	12	1
1:A:754:ALA:CB	1:B:715:LEU:HD21	0.47	2.39	13	1
1:B:763:LEU:H	1:B:763:LEU:HD13	0.47	1.69	11	1
1:A:693:ILE:HD13	1:A:693:ILE:C	0.47	2.34	11	1
1:C:684:ILE:HD13	1:C:684:ILE:C	0.47	2.35	13	1
1:B:707:ARG:CZ	1:C:707:ARG:CZ	0.47	2.93	2	1
1:B:695:LEU:C	1:B:695:LEU:HD23	0.46	2.35	1	1
1:C:755:LEU:C	1:C:755:LEU:HD23	0.46	2.35	15	7
1:C:774:LEU:HD13	1:C:774:LEU:O	0.46	2.09	10	3
1:C:785:LEU:O	1:C:785:LEU:HD13	0.46	2.11	5	1
1:B:781:ILE:HD13	1:C:746:ILE:HG21	0.46	1.87	13	1
1:A:746:ILE:HG21	1:C:781:ILE:HG21	0.46	1.86	1	1
1:A:703:SER:O	1:A:707:ARG:HG3	0.46	2.10	2	1
1:B:754:ALA:HB1	1:C:710:GLN:OE1	0.46	2.10	10	1
1:C:748:LEU:HD13	1:C:748:LEU:C	0.46	2.35	1	1
1:B:781:ILE:HG13	1:C:746:ILE:HG21	0.46	1.87	6	1
1:C:745:SER:O	1:C:748:LEU:HD12	0.46	2.11	6	1
1:A:715:LEU:HD22	1:A:715:LEU:N	0.46	2.25	7	1
1:A:754:ALA:CB	1:B:715:LEU:HD23	0.46	2.40	10	1
1:B:765:LEU:C	1:B:765:LEU:HD23	0.46	2.35	7	1
1:C:764:SER:O	1:C:765:LEU:CB	0.46	2.64	7	1
1:A:774:LEU:CD2	1:A:777:ILE:HD11	0.46	2.40	11	1
1:A:760:LEU:C	1:A:760:LEU:HD13	0.46	2.35	1	1
1:A:776:LEU:HD13	1:A:776:LEU:C	0.46	2.36	5	1
1:A:710:GLN:O	1:A:715:LEU:HD11	0.46	2.11	7	1
1:B:682:ILE:O	1:B:686:ILE:HD13	0.46	2.10	7	1
1:C:755:LEU:C	1:C:755:LEU:HD13	0.46	2.34	10	2
1:C:713:SER:O	1:C:714:PRO:C	0.46	2.58	5	10
1:A:755:LEU:HD22	1:A:755:LEU:C	0.46	2.36	15	3
1:A:693:ILE:HG22	1:C:693:ILE:CG1	0.46	2.40	4	1
1:B:693:ILE:HD11	1:C:696:ARG:HG2	0.46	1.87	6	1
1:A:686:ILE:HG21	1:B:686:ILE:HG12	0.46	1.88	8	1
1:C:705:VAL:HG12	1:C:748:LEU:HD23	0.46	1.88	9	1
1:B:781:ILE:HG13	1:C:746:ILE:HD12	0.46	1.87	12	1
1:A:693:ILE:C	1:A:693:ILE:HD12	0.46	2.36	14	4
1:C:755:LEU:C	1:C:755:LEU:CD2	0.46	2.88	14	1
1:A:776:LEU:HD22	1:A:776:LEU:C	0.46	2.35	5	1
1:A:781:ILE:CD1	1:B:746:ILE:HG21	0.46	2.41	7	2
1:A:683:ARG:C	1:A:683:ARG:HD2	0.46	2.36	3	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:708:VAL:CG1	1:B:748:LEU:HD11	0.46	2.41	4	1
1:B:690:GLY:O	1:B:693:ILE:HG23	0.46	2.10	13	2
1:B:781:ILE:HG21	1:C:746:ILE:HG21	0.46	1.87	9	1
1:C:755:LEU:HD13	1:C:756:ILE:N	0.46	2.26	14	1
1:A:785:LEU:C	1:A:785:LEU:HD12	0.45	2.36	5	1
1:B:755:LEU:C	1:B:755:LEU:HD13	0.45	2.35	9	1
1:A:679:LEU:HD12	1:A:679:LEU:C	0.45	2.37	12	1
1:B:755:LEU:HD23	1:B:755:LEU:C	0.45	2.37	13	1
1:A:705:VAL:HG22	1:A:748:LEU:CD1	0.45	2.41	4	1
1:A:748:LEU:HD12	1:A:748:LEU:C	0.45	2.36	8	1
1:A:746:ILE:CG2	1:C:781:ILE:HD13	0.45	2.40	9	1
1:B:706:ASN:OD1	1:B:706:ASN:C	0.45	2.59	9	1
1:A:695:LEU:HD23	1:A:695:LEU:O	0.45	2.11	14	1
1:B:711:GLY:O	1:B:713:SER:N	0.45	2.49	4	1
1:A:704:LEU:HD11	1:B:707:ARG:CZ	0.45	2.42	10	1
1:B:705:VAL:CG2	1:B:748:LEU:HD22	0.45	2.40	14	1
1:C:749:VAL:HG23	1:C:750:ASN:N	0.45	2.26	1	3
1:A:712:TYR:CZ	1:B:712:TYR:CE1	0.45	3.04	15	1
1:C:679:LEU:HD13	1:C:679:LEU:C	0.45	2.37	8	2
1:C:692:LEU:O	1:C:695:LEU:HD13	0.45	2.12	9	1
1:B:697:ILE:HD11	1:C:696:ARG:NH2	0.45	2.27	13	1
1:A:781:ILE:HD12	1:B:746:ILE:HG23	0.45	1.87	6	1
1:A:754:ALA:CA	1:B:715:LEU:HD23	0.45	2.42	10	1
1:A:771:LEU:HD13	1:A:771:LEU:C	0.45	2.36	6	2
1:B:771:LEU:HD23	1:B:771:LEU:N	0.45	2.27	4	1
1:A:709:ARG:HH22	1:C:755:LEU:HD22	0.45	1.71	10	1
1:B:689:VAL:O	1:B:692:LEU:HD12	0.45	2.12	1	1
1:B:776:LEU:C	1:B:776:LEU:HD23	0.45	2.37	2	1
1:A:710:GLN:HE21	1:C:755:LEU:HD21	0.45	1.71	8	2
1:B:748:LEU:O	1:B:748:LEU:HD23	0.45	2.12	9	1
1:C:774:LEU:O	1:C:777:ILE:HG13	0.45	2.12	15	1
1:A:684:ILE:HA	1:A:687:ILE:HD12	0.45	1.89	5	2
1:C:710:GLN:CD	1:C:715:LEU:HD11	0.45	2.37	6	1
1:A:711:GLY:CA	1:A:715:LEU:HD13	0.45	2.42	11	1
1:B:748:LEU:C	1:B:748:LEU:HD12	0.45	2.37	12	1
1:A:764:SER:O	1:A:770:ARG:HB3	0.44	2.12	10	1
1:A:679:LEU:O	1:A:683:ARG:N	0.44	2.50	8	2
1:A:686:ILE:HD12	1:C:686:ILE:HG22	0.44	1.88	12	1
1:C:684:ILE:HA	1:C:687:ILE:HD12	0.44	1.88	14	1
1:B:706:ASN:O	1:B:710:GLN:CB	0.44	2.65	4	1
1:A:758:ASP:CG	1:B:715:LEU:HD21	0.44	2.38	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:705:VAL:HG13	1:C:748:LEU:HG	0.44	1.89	14	1
1:A:758:ASP:OD2	1:B:715:LEU:HD13	0.44	2.12	9	1
1:B:686:ILE:HG13	1:C:686:ILE:HD12	0.44	1.89	6	1
1:A:785:LEU:HD21	1:B:747:ARG:HA	0.44	1.89	12	1
1:A:746:ILE:HD12	1:A:746:ILE:N	0.44	2.27	14	2
1:B:686:ILE:O	1:C:686:ILE:HD11	0.44	2.12	13	1
1:C:711:GLY:O	1:C:713:SER:N	0.44	2.51	8	1
1:B:695:LEU:HD22	1:B:696:ARG:NH1	0.44	2.28	12	1
1:A:708:VAL:HG21	1:B:714:PRO:HD2	0.44	1.89	14	1
1:C:705:VAL:HG22	1:C:748:LEU:HD21	0.44	1.90	14	1
1:A:776:LEU:HD23	1:A:776:LEU:O	0.44	2.13	3	1
1:C:771:LEU:C	1:C:771:LEU:HD23	0.44	2.38	6	1
1:A:709:ARG:CD	1:A:709:ARG:C	0.44	2.90	10	1
1:C:695:LEU:C	1:C:695:LEU:HD23	0.44	2.37	10	1
1:A:704:LEU:HD13	1:A:707:ARG:NH2	0.44	2.27	12	1
1:B:679:LEU:HD13	1:B:679:LEU:C	0.43	2.37	1	1
1:A:763:LEU:O	1:A:774:LEU:HD13	0.43	2.13	5	2
1:A:758:ASP:CG	1:B:715:LEU:HD13	0.43	2.38	9	1
1:C:766:PHE:O	1:C:767:SER:O	0.43	2.36	9	1
1:A:714:PRO:HD2	1:C:708:VAL:HG21	0.43	1.90	10	1
1:B:683:ARG:C	1:B:683:ARG:CD	0.43	2.91	11	1
1:A:693:ILE:HD11	1:B:696:ARG:HE	0.43	1.73	15	1
1:A:684:ILE:HD13	1:A:684:ILE:C	0.43	2.38	3	1
1:B:710:GLN:O	1:B:715:LEU:HD22	0.43	2.13	5	1
1:B:693:ILE:C	1:B:693:ILE:HD12	0.43	2.39	2	3
1:C:705:VAL:HG13	1:C:748:LEU:CD1	0.43	2.43	4	1
1:A:705:VAL:HG12	1:A:709:ARG:HG2	0.43	1.89	6	1
1:C:763:LEU:HD13	1:C:763:LEU:H	0.43	1.74	15	1
1:A:781:ILE:HG21	1:B:746:ILE:CG2	0.43	2.43	2	1
1:A:706:ASN:O	1:A:710:GLN:CB	0.43	2.66	6	2
1:B:778:VAL:HG23	1:C:749:VAL:HG21	0.43	1.90	10	1
1:B:746:ILE:O	1:B:749:VAL:HG23	0.43	2.13	10	4
1:C:745:SER:O	1:C:748:LEU:HD23	0.43	2.13	3	1
1:B:695:LEU:O	1:B:695:LEU:HD23	0.43	2.13	4	2
1:B:742:ARG:O	1:B:746:ILE:HD12	0.43	2.14	8	1
1:B:679:LEU:O	1:B:683:ARG:N	0.43	2.51	9	1
1:C:708:VAL:HG21	1:C:744:ARG:HH22	0.43	1.73	12	1
1:B:755:LEU:HD21	1:C:706:ASN:HB3	0.43	1.89	9	1
1:B:775:LEU:HD23	1:B:775:LEU:O	0.43	2.12	1	1
1:C:689:VAL:O	1:C:692:LEU:CD1	0.43	2.67	5	1
1:A:695:LEU:C	1:A:695:LEU:CD2	0.43	2.89	6	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:C:771:LEU:CD2	1:C:775:LEU:HD23	0.43	2.43	7	1
1:C:771:LEU:H	1:C:771:LEU:HD13	0.43	1.74	10	1
1:A:715:LEU:HD22	1:A:715:LEU:H	0.43	1.74	7	1
1:A:763:LEU:HD22	1:A:763:LEU:H	0.43	1.74	9	1
1:B:693:ILE:HG21	1:C:689:VAL:CG1	0.43	2.43	13	1
1:C:712:TYR:CD2	1:C:713:SER:N	0.43	2.87	14	1
1:A:686:ILE:HG12	1:C:686:ILE:HG21	0.43	1.90	4	1
1:C:685:PHE:O	1:C:689:VAL:HG23	0.43	2.13	7	1
1:A:785:LEU:HD22	1:B:750:ASN:HD21	0.43	1.74	15	1
1:A:755:LEU:O	1:A:755:LEU:HD23	0.43	2.14	5	1
1:B:763:LEU:HD13	1:B:763:LEU:N	0.43	2.29	11	1
1:B:749:VAL:HG23	1:B:750:ASN:HD22	0.43	1.74	13	1
1:A:749:VAL:HG23	1:A:750:ASN:N	0.42	2.29	8	2
1:A:755:LEU:HD13	1:A:755:LEU:O	0.42	2.13	4	1
1:B:682:ILE:O	1:B:686:ILE:HD12	0.42	2.13	9	1
1:A:742:ARG:O	1:A:746:ILE:HD12	0.42	2.14	13	1
1:B:750:ASN:ND2	1:B:750:ASN:H	0.42	2.12	13	1
1:B:705:VAL:HG22	1:B:748:LEU:CD2	0.42	2.43	14	1
1:B:679:LEU:HD23	1:B:679:LEU:C	0.42	2.39	6	1
1:A:688:ILE:O	1:A:692:LEU:HD13	0.42	2.15	2	1
1:C:778:VAL:O	1:C:782:VAL:HG23	0.42	2.14	2	1
1:A:745:SER:O	1:A:748:LEU:HD23	0.42	2.13	15	1
1:A:763:LEU:O	1:A:774:LEU:HG	0.42	2.14	2	1
1:A:770:ARG:O	1:A:774:LEU:HD13	0.42	2.14	2	1
1:B:711:GLY:C	1:B:712:TYR:CD2	0.42	2.97	4	1
1:B:705:VAL:HG22	1:B:748:LEU:HD23	0.42	1.91	5	1
1:B:712:TYR:CG	1:B:713:SER:N	0.42	2.88	6	1
1:B:753:LEU:HD11	1:B:757:TRP:CZ3	0.42	2.50	10	1
1:A:758:ASP:OD2	1:B:715:LEU:HD11	0.42	2.15	5	1
1:A:764:SER:O	1:A:765:LEU:CB	0.42	2.66	7	1
1:A:701:VAL:O	1:A:705:VAL:HG23	0.42	2.14	10	2
1:C:750:ASN:ND2	1:C:750:ASN:H	0.42	2.12	12	1
1:C:684:ILE:HG13	1:C:687:ILE:HD11	0.42	1.90	11	1
1:C:765:LEU:HD23	1:C:765:LEU:O	0.42	2.15	14	1
1:C:748:LEU:C	1:C:748:LEU:HD12	0.42	2.40	3	1
1:B:743:ASP:O	1:B:746:ILE:HB	0.42	2.15	7	1
1:B:774:LEU:HD22	1:B:774:LEU:O	0.42	2.13	13	1
1:B:775:LEU:HD13	1:B:775:LEU:O	0.42	2.15	3	1
1:C:715:LEU:C	1:C:715:LEU:HD12	0.42	2.39	13	2
1:B:693:ILE:C	1:B:693:ILE:HD13	0.42	2.39	7	1
1:B:756:ILE:HD13	1:B:756:ILE:O	0.42	2.15	8	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:774:LEU:HD12	1:B:777:ILE:HD11	0.42	1.89	9	1
1:A:706:ASN:O	1:A:710:GLN:HB2	0.42	2.15	10	1
1:A:746:ILE:HD12	1:A:746:ILE:H	0.42	1.75	13	1
1:C:705:VAL:HG13	1:C:748:LEU:CD2	0.42	2.44	7	1
1:C:707:ARG:O	1:C:711:GLY:C	0.42	2.63	9	2
1:B:708:VAL:HG21	1:C:714:PRO:HD2	0.42	1.91	15	1
1:B:758:ASP:CB	1:C:710:GLN:HB3	0.41	2.45	3	1
1:A:763:LEU:HD22	1:A:763:LEU:N	0.41	2.30	5	1
1:A:745:SER:O	1:A:748:LEU:HG	0.41	2.14	13	1
1:C:749:VAL:HG23	1:C:750:ASN:H	0.41	1.75	15	1
1:C:697:ILE:HD12	1:C:698:VAL:N	0.41	2.30	5	1
1:A:749:VAL:HG23	1:A:750:ASN:H	0.41	1.75	8	1
1:C:686:ILE:HD12	1:C:686:ILE:N	0.41	2.30	8	1
1:B:687:ILE:HD12	1:B:687:ILE:N	0.41	2.30	10	1
1:B:707:ARG:CZ	1:C:707:ARG:NH1	0.41	2.84	12	1
1:C:689:VAL:O	1:C:692:LEU:HD11	0.41	2.16	5	1
1:B:705:VAL:HG11	1:B:748:LEU:HD22	0.41	1.91	7	1
1:B:765:LEU:HD12	1:B:765:LEU:O	0.41	2.15	12	1
1:B:742:ARG:O	1:B:746:ILE:HG12	0.41	2.15	1	1
1:B:707:ARG:O	1:B:711:GLY:O	0.41	2.38	2	1
1:C:678:TRP:O	1:C:682:ILE:HD12	0.41	2.15	10	1
1:A:696:ARG:CG	1:C:693:ILE:HD11	0.41	2.46	14	1
1:A:692:LEU:HD23	1:C:693:ILE:HD12	0.41	1.91	9	1
1:C:771:LEU:N	1:C:771:LEU:HD23	0.41	2.31	12	1
1:C:706:ASN:O	1:C:710:GLN:CB	0.41	2.68	4	1
1:A:753:LEU:HD11	1:A:757:TRP:CZ3	0.41	2.51	10	1
1:C:680:TRP:HA	1:C:680:TRP:CE3	0.41	2.51	13	1
1:C:755:LEU:HD13	1:C:756:ILE:H	0.41	1.75	14	1
1:A:755:LEU:HD13	1:A:755:LEU:C	0.41	2.41	4	1
1:C:695:LEU:HD23	1:C:695:LEU:C	0.41	2.41	4	1
1:C:688:ILE:N	1:C:688:ILE:HD12	0.41	2.31	7	1
1:B:704:LEU:O	1:B:707:ARG:HB2	0.41	2.15	10	1
1:A:682:ILE:HD13	1:C:683:ARG:CZ	0.41	2.46	15	1
1:B:686:ILE:HD12	1:B:686:ILE:N	0.41	2.30	15	1
1:B:775:LEU:O	1:B:778:VAL:HG22	0.41	2.16	15	1
1:B:781:ILE:O	1:B:785:LEU:HD13	0.41	2.16	8	1
1:B:748:LEU:HD21	1:C:714:PRO:HG3	0.41	1.91	11	1
1:A:746:ILE:HG21	1:C:781:ILE:HD12	0.41	1.92	14	1
1:B:781:ILE:HG21	1:C:747:ARG:NH1	0.41	2.30	14	1
1:C:715:LEU:O	1:C:716:SER:C	0.40	2.64	4	2
1:B:745:SER:O	1:B:748:LEU:HG	0.40	2.17	12	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:678:TRP:O	1:B:682:ILE:HD13	0.40	2.16	14	1
1:B:685:PHE:O	1:B:689:VAL:HG23	0.40	2.17	9	1
1:C:715:LEU:C	1:C:715:LEU:CD1	0.40	2.94	13	1
1:B:754:ALA:HB1	1:C:715:LEU:HD12	0.40	1.94	14	1
1:A:750:ASN:ND2	1:C:785:LEU:HD21	0.40	2.32	15	1
1:C:753:LEU:O	1:C:757:TRP:CB	0.40	2.70	7	1
1:A:763:LEU:HD13	1:A:763:LEU:H	0.40	1.75	9	1
1:B:678:TRP:CG	1:B:679:LEU:N	0.40	2.90	14	1
1:C:763:LEU:H	1:C:763:LEU:CD1	0.40	2.30	15	1
1:C:768:TYR:C	1:C:769:HIS:CG	0.40	3.00	2	1
1:A:775:LEU:O	1:A:778:VAL:HG12	0.40	2.16	3	1
1:B:771:LEU:HD23	1:B:771:LEU:H	0.40	1.76	4	1
1:C:748:LEU:C	1:C:748:LEU:HD23	0.40	2.41	4	1
1:A:778:VAL:O	1:A:781:ILE:CG1	0.40	2.70	6	1
1:A:715:LEU:HD23	1:A:715:LEU:H	0.40	1.76	12	1
1:A:781:ILE:HD12	1:B:746:ILE:HG13	0.40	1.94	12	1
1:B:680:TRP:CH2	1:C:679:LEU:HD21	0.40	2.52	12	1
1:B:756:ILE:HG23	1:B:757:TRP:HE3	0.40	1.75	12	1
1:B:764:SER:CB	1:B:771:LEU:HD13	0.40	2.47	12	1

6.3 Torsion angles (i)

6.3.1 Protein backbone (i)

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

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	85/112 (76%)	78±2 (91±2%)	5±1 (5±2%)	3±1 (3±2%)	5	37
1	B	86/112 (77%)	78±1 (91±1%)	4±1 (5±1%)	3±1 (4±1%)	4	30
1	C	86/112 (77%)	78±1 (91±1%)	4±1 (5±2%)	3±1 (4±2%)	4	30
All	All	3855/5040 (76%)	3516 (91%)	196 (5%)	143 (4%)	4	32

All 27 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	714	PRO	14

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Mol	Chain	Res	Type	Models (Total)
1	A	714	PRO	12
1	C	714	PRO	10
1	B	767	SER	8
1	C	765	LEU	8
1	C	767	SER	8
1	C	769	HIS	8
1	A	712	TYR	6
1	C	768	TYR	6
1	B	712	TYR	6
1	B	766	PHE	6
1	B	678	TRP	6
1	B	769	HIS	5
1	C	712	TYR	5
1	C	766	PHE	4
1	A	767	SER	4
1	B	765	LEU	4
1	A	766	PHE	3
1	A	741	ASP	3
1	A	765	LEU	3
1	A	768	TYR	3
1	A	769	HIS	3
1	B	711	GLY	2
1	C	711	GLY	2
1	A	711	GLY	2
1	A	715	LEU	1
1	B	768	TYR	1

6.3.2 Protein sidechains (i)

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

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	81/101 (80%)	63±4 (77±5%)	18±4 (23±5%)	2	28
1	B	83/101 (82%)	65±4 (78±5%)	18±4 (22±5%)	2	30
1	C	83/101 (82%)	62±4 (75±4%)	21±4 (25±4%)	2	25
All	All	3705/4545 (82%)	2849 (77%)	856 (23%)	2	28

All 220 unique residues with a non-rotameric sidechain are listed below. They are sorted by the

frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	C	693	ILE	13
1	B	683	ARG	12
1	C	704	LEU	12
1	C	683	ARG	11
1	C	750	ASN	11
1	A	693	ILE	11
1	B	693	ILE	10
1	A	744	ARG	9
1	A	763	LEU	9
1	B	715	LEU	9
1	B	744	ARG	9
1	C	680	TRP	9
1	C	708	VAL	9
1	C	679	LEU	9
1	C	692	LEU	9
1	A	683	ARG	8
1	C	710	GLN	8
1	C	763	LEU	8
1	C	780	ARG	8
1	A	704	LEU	8
1	A	708	VAL	8
1	B	763	LEU	8
1	C	744	ARG	8
1	C	765	LEU	8
1	C	774	LEU	8
1	C	775	LEU	8
1	A	686	ILE	7
1	A	710	GLN	7
1	A	780	ARG	7
1	B	678	TRP	7
1	B	708	VAL	7
1	C	771	LEU	7
1	C	707	ARG	7
1	C	785	LEU	7
1	B	686	ILE	6
1	B	692	LEU	6
1	B	757	TRP	6
1	B	774	LEU	6
1	C	758	ASP	6
1	A	765	LEU	6
1	A	755	LEU	6
1	B	765	LEU	6

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Mol	Chain	Res	Type	Models (Total)
1	C	742	ARG	6
1	A	785	LEU	6
1	B	679	LEU	6
1	B	740	ARG	6
1	A	697	ILE	6
1	A	679	LEU	5
1	A	706	ASN	5
1	A	713	SER	5
1	B	704	LEU	5
1	B	770	ARG	5
1	C	696	ARG	5
1	C	761	ARG	5
1	C	769	HIS	5
1	A	684	ILE	5
1	A	746	ILE	5
1	A	767	SER	5
1	A	771	LEU	5
1	B	785	LEU	5
1	C	715	LEU	5
1	C	740	ARG	5
1	A	715	LEU	5
1	B	695	LEU	5
1	C	745	SER	5
1	A	712	TYR	5
1	A	742	ARG	5
1	C	678	TRP	5
1	A	748	LEU	5
1	B	702	LEU	5
1	A	750	ASN	5
1	A	691	SER	4
1	A	695	LEU	4
1	A	740	ARG	4
1	A	775	LEU	4
1	B	701	VAL	4
1	B	713	SER	4
1	B	748	LEU	4
1	B	750	ASN	4
1	B	758	ASP	4
1	B	769	HIS	4
1	C	756	ILE	4
1	A	753	LEU	4
1	A	762	SER	4

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Mol	Chain	Res	Type	Models (Total)
1	B	697	ILE	4
1	C	685	PHE	4
1	C	695	LEU	4
1	C	755	LEU	4
1	C	770	ARG	4
1	A	707	ARG	4
1	A	781	ILE	4
1	B	787	ARG	4
1	A	709	ARG	4
1	B	710	GLN	4
1	C	746	ILE	4
1	C	781	ILE	4
1	B	742	ARG	4
1	B	780	ARG	4
1	C	686	ILE	4
1	A	702	LEU	4
1	B	777	ILE	4
1	A	741	ASP	3
1	A	756	ILE	3
1	A	773	ASP	3
1	B	688	ILE	3
1	C	677	ASN	3
1	C	716	SER	3
1	C	766	PHE	3
1	C	768	TYR	3
1	C	787	ARG	3
1	A	760	LEU	3
1	A	764	SER	3
1	A	772	ARG	3
1	A	774	LEU	3
1	A	784	LEU	3
1	B	687	ILE	3
1	B	761	ARG	3
1	B	783	GLU	3
1	A	692	LEU	3
1	B	681	TYR	3
1	B	747	ARG	3
1	C	697	ILE	3
1	C	709	ARG	3
1	B	684	ILE	3
1	C	784	LEU	3
1	C	788	ARG	3

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Mol	Chain	Res	Type	Models (Total)
1	B	691	SER	3
1	B	753	LEU	3
1	B	760	LEU	3
1	C	741	ASP	3
1	C	762	SER	3
1	A	761	ARG	3
1	C	681	TYR	3
1	A	680	TRP	3
1	A	739	GLU	3
1	B	768	TYR	3
1	A	783	GLU	3
1	B	680	TRP	3
1	B	716	SER	3
1	B	773	ASP	3
1	A	757	TRP	3
1	B	741	ASP	3
1	B	707	ARG	3
1	C	777	ILE	3
1	A	687	ILE	2
1	B	766	PHE	2
1	A	747	ARG	2
1	A	776	LEU	2
1	B	739	GLU	2
1	B	745	SER	2
1	B	771	LEU	2
1	B	749	VAL	2
1	B	779	THR	2
1	A	685	PHE	2
1	A	769	HIS	2
1	B	682	ILE	2
1	B	756	ILE	2
1	B	784	LEU	2
1	B	788	ARG	2
1	C	691	SER	2
1	A	759	ASP	2
1	C	748	LEU	2
1	A	743	ASP	2
1	C	698	VAL	2
1	C	776	LEU	2
1	B	703	SER	2
1	B	746	ILE	2
1	C	702	LEU	2

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Mol	Chain	Res	Type	Models (Total)
1	A	758	ASP	2
1	B	772	ARG	2
1	B	775	LEU	2
1	C	701	VAL	2
1	C	782	VAL	2
1	B	709	ARG	2
1	B	755	LEU	2
1	B	776	LEU	2
1	A	681	TYR	2
1	A	768	TYR	2
1	C	767	SER	2
1	B	781	ILE	2
1	C	739	GLU	2
1	A	688	ILE	1
1	A	766	PHE	1
1	B	778	VAL	1
1	B	762	SER	1
1	C	779	THR	1
1	A	689	VAL	1
1	A	696	ARG	1
1	A	778	VAL	1
1	A	698	VAL	1
1	C	752	SER	1
1	C	757	TRP	1
1	A	682	ILE	1
1	A	770	ARG	1
1	A	788	ARG	1
1	B	696	ARG	1
1	C	706	ASN	1
1	C	778	VAL	1
1	A	701	VAL	1
1	B	698	VAL	1
1	B	767	SER	1
1	C	713	SER	1
1	C	747	ARG	1
1	C	749	VAL	1
1	C	760	LEU	1
1	B	677	ASN	1
1	B	706	ASN	1
1	C	753	LEU	1
1	C	682	ILE	1
1	A	716	SER	1

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Mol	Chain	Res	Type	Models (Total)
1	B	743	ASP	1
1	C	703	SER	1
1	B	764	SER	1
1	B	699	PHE	1
1	C	684	ILE	1
1	C	689	VAL	1
1	C	773	ASP	1
1	A	745	SER	1
1	A	752	SER	1
1	A	782	VAL	1

6.3.3 RNA

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates

There are no oligosaccharides in this entry.

6.6 Ligand geometry

There are no ligands in this entry.

6.7 Other polymers

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 9% for the well-defined parts and 9% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *HIV-1_gp41_TMD-CTLLP2_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	460
Number of shifts mapped to atoms	367
Number of unparsed shifts	0
Number of shifts with mapping errors	93
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 93 occurrences are reported below.

List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	717	PHE	H	8.06	0.01	1
1	A	717	PHE	C	175.39	0.05	1
1	A	717	PHE	CA	57.46	0.05	1
1	A	717	PHE	CB	38.33	0.05	1
1	A	717	PHE	N	120.76	0.03	1
1	A	718	GLN	H	8.15	0.01	1
1	A	718	GLN	C	175.83	0.05	1
1	A	718	GLN	CA	55.52	0.05	1
1	A	718	GLN	CB	28.72	0.05	1
1	A	718	GLN	N	119.94	0.03	1
1	A	719	THR	H	8.04	0.01	1
1	A	719	THR	CA	61.73	0.05	1
1	A	719	THR	CB	68.95	0.05	1
1	A	719	THR	N	113.98	0.03	1

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	720	HIS	C	174.61	0.05	1
1	A	720	HIS	CA	55.59	0.05	1
1	A	720	HIS	CB	29.94	0.05	1
1	A	721	LEU	H	8.03	0.01	1
1	A	721	LEU	CA	52.32	0.05	1
1	A	721	LEU	CB	40.6	0.05	1
1	A	721	LEU	N	123.72	0.03	1
1	A	722	PRO	C	176.55	0.05	1
1	A	722	PRO	CA	62.43	0.05	1
1	A	722	PRO	CB	30.9	0.05	1
1	A	723	THR	H	8.17	0.01	1
1	A	723	THR	CA	59.3	0.05	1
1	A	723	THR	CB	68.95	0.05	1
1	A	723	THR	N	116.44	0.03	1
1	A	724	PRO	C	176.7	0.05	1
1	A	724	PRO	CA	62.79	0.05	1
1	A	724	PRO	CB	31.23	0.05	1
1	A	725	ARG	H	8.37	0.01	1
1	A	725	ARG	C	176.44	0.05	1
1	A	725	ARG	CA	55.51	0.05	1
1	A	725	ARG	CB	30.18	0.05	1
1	A	725	ARG	N	121.04	0.03	1
1	A	726	GLY	H	8.23	0.01	1
1	A	726	GLY	C	171.92	0.05	1
1	A	726	GLY	CA	44.04	0.05	1
1	A	726	GLY	N	110.02	0.03	1
1	A	727	PRO	C	176.72	0.05	1
1	A	727	PRO	CA	62.84	0.05	1
1	A	727	PRO	CB	31.14	0.05	1
1	A	728	ASP	H	8.38	0.01	1
1	A	728	ASP	C	175.65	0.05	1
1	A	728	ASP	CA	54.07	0.05	1
1	A	728	ASP	CB	40.05	0.05	1
1	A	728	ASP	N	119.29	0.03	1
1	A	729	ARG	H	8.02	0.01	1
1	A	729	ARG	C	174.0	0.05	1
1	A	729	ARG	CA	53.08	0.05	1
1	A	729	ARG	CB	29.34	0.05	1
1	A	729	ARG	N	120.86	0.03	1
1	A	730	PRO	C	176.84	0.05	1
1	A	730	PRO	CA	62.79	0.05	1

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List ID	Chain	Res	Type	Atom	Shift Data		
					Value	Uncertainty	Ambiguity
1	A	730	PRO	CB	31.09	0.05	1
1	A	731	GLU	H	8.57	0.01	1
1	A	731	GLU	C	177.03	0.05	1
1	A	731	GLU	CA	56.43	0.05	1
1	A	731	GLU	CB	29.29	0.05	1
1	A	731	GLU	N	120.32	0.03	1
1	A	732	GLY	H	8.36	0.01	1
1	A	732	GLY	C	173.94	0.05	1
1	A	732	GLY	CA	44.91	0.05	1
1	A	732	GLY	N	109.52	0.03	1
1	A	733	ILE	H	7.82	0.01	1
1	A	733	ILE	C	176.16	0.05	1
1	A	733	ILE	CA	60.51	0.05	1
1	A	733	ILE	CB	37.61	0.05	1
1	A	733	ILE	N	119.17	0.03	1
1	A	734	GLU	H	8.49	0.01	1
1	A	734	GLU	C	176.36	0.05	1
1	A	734	GLU	CA	56.11	0.05	1
1	A	734	GLU	CB	29.31	0.05	1
1	A	734	GLU	N	124.32	0.03	1
1	A	735	GLU	H	8.38	0.01	1
1	A	735	GLU	C	176.48	0.05	1
1	A	735	GLU	CA	56.11	0.05	1
1	A	735	GLU	CB	29.46	0.05	1
1	A	735	GLU	N	121.83	0.03	1
1	A	736	GLU	H	8.47	0.01	1
1	A	736	GLU	C	177.09	0.05	1
1	A	736	GLU	CA	56.32	0.05	1
1	A	736	GLU	CB	29.38	0.05	1
1	A	736	GLU	N	122.08	0.03	1
1	A	737	GLY	H	8.51	0.01	1
1	A	737	GLY	C	174.82	0.05	1
1	A	737	GLY	CA	45.04	0.05	1
1	A	737	GLY	N	109.96	0.03	1
1	A	738	GLY	H	8.27	0.01	1
1	A	738	GLY	C	174.5	0.05	1
1	A	738	GLY	CA	44.95	0.05	1
1	A	738	GLY	N	108.53	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
$^{13}C_{\alpha}$	106	-0.05 ± 0.18	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	55	1.27 ± 0.11	Should be checked
$^{13}C'$	101	-0.16 ± 0.09	None needed (< 0.5 ppm)
^{15}N	99	0.58 ± 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 9%, i.e. 365 atoms were assigned a chemical shift out of a possible 4192. 0 out of 78 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	328/1349 (24%)	82/548 (15%)	164/536 (31%)	82/265 (31%)
Sidechain	37/2552 (1%)	0/1677 (0%)	37/738 (5%)	0/137 (0%)
Aromatic	0/291 (0%)	0/141 (0%)	0/136 (0%)	0/14 (0%)
Overall	365/4192 (9%)	82/2366 (3%)	201/1410 (14%)	82/416 (20%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 9%, i.e. 367 atoms were assigned a chemical shift out of a possible 4224. 0 out of 78 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	330/1359 (24%)	82/552 (15%)	166/540 (31%)	82/267 (31%)
Sidechain	37/2562 (1%)	0/1683 (0%)	37/741 (5%)	0/138 (0%)
Aromatic	0/303 (0%)	0/147 (0%)	0/141 (0%)	0/15 (0%)
Overall	367/4224 (9%)	82/2382 (3%)	203/1422 (14%)	82/420 (20%)

7.1.4 Statistically unusual chemical shifts (i)

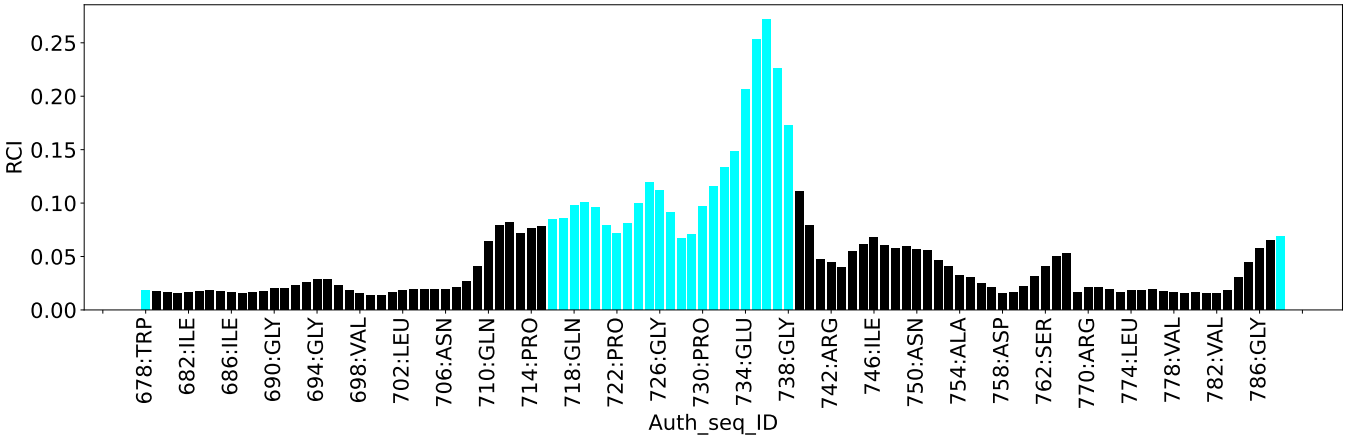
There are no statistically unusual chemical shifts.

7.1.5 Random Coil Index (RCI) plots (i)

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-

defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble composition.If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	1173
Intra-residue (|i-j|=0)	159
Sequential (|i-j|=1)	372
Medium range (|i-j|>1 and |i-j|<5)	465
Long range (|i-j|≥5)	84
Inter-chain	0
Hydrogen bond restraints	93
Disulfide bond restraints	0
Total dihedral-angle restraints	160
Number of unmapped restraints	38
Number of restraints per residue	4.0
Number of long range restraints per residue[1]	0.2

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	83.8	0.2
0.2-0.5 (Medium)	81.4	0.5
>0.5 (Large)	135.6	28.73

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)	18.7	4.87
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

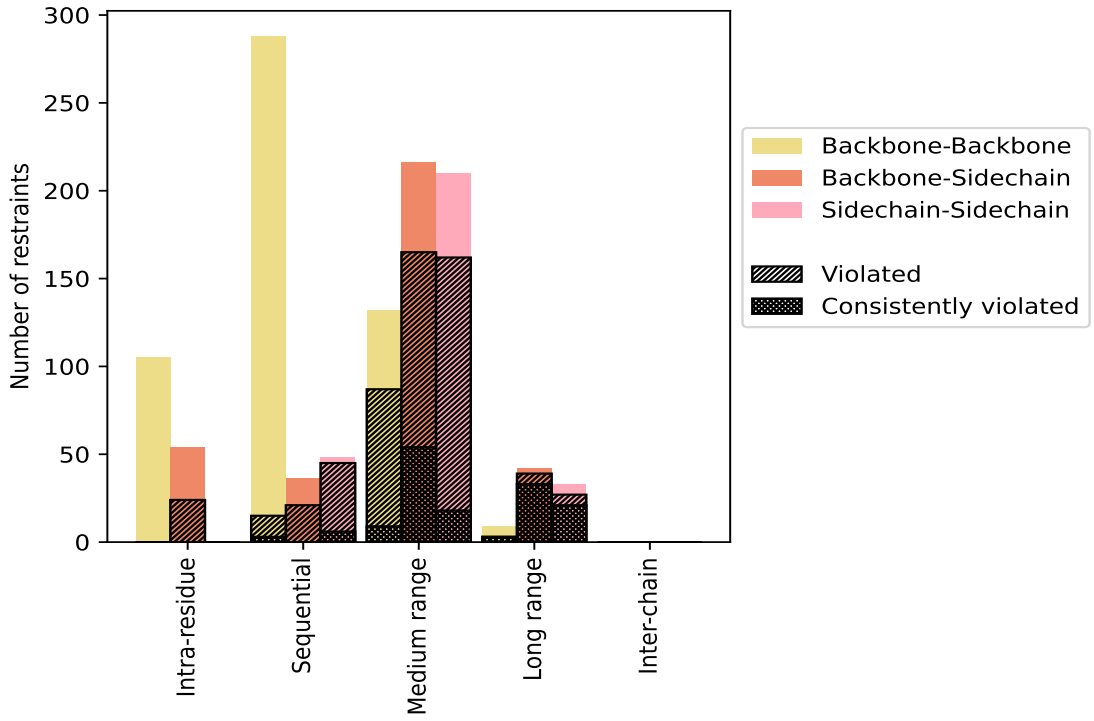
9.1 Summary of distance violations (i)

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)	159	13.6	24	15.1	2.0	0	0.0	0.0
Backbone-Backbone	105	9.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	54	4.6	24	44.4	2.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sequential (|i-j|=1)	372	31.7	81	21.8	6.9	9	2.4	0.8
Backbone-Backbone	288	24.6	15	5.2	1.3	3	1.0	0.3
Backbone-Sidechain	36	3.1	21	58.3	1.8	0	0.0	0.0
Sidechain-Sidechain	48	4.1	45	93.8	3.8	6	12.5	0.5
Medium range (|i-j|>1 & |i-j|<5)	465	39.6	339	72.9	28.9	45	9.7	3.8
Backbone-Backbone	132	11.3	87	65.9	7.4	9	6.8	0.8
Backbone-Sidechain	138	11.8	105	76.1	9.0	18	13.0	1.5
Sidechain-Sidechain	195	16.6	147	75.4	12.5	18	9.2	1.5
Long range (|i-j|≥5)	84	7.2	69	82.1	5.9	57	67.9	4.9
Backbone-Backbone	9	0.8	3	33.3	0.3	3	33.3	0.3
Backbone-Sidechain	42	3.6	39	92.9	3.3	33	78.6	2.8
Sidechain-Sidechain	33	2.8	27	81.8	2.3	21	63.6	1.8
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	93	7.9	75	80.6	6.4	36	38.7	3.1
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	1173	100.0	588	50.1	50.1	147	12.5	12.5
Backbone-Backbone	534	45.5	105	19.7	9.0	15	2.8	1.3
Backbone-Sidechain	348	29.7	249	71.6	21.2	87	25.0	7.4
Sidechain-Sidechain	291	24.8	234	80.4	19.9	45	15.5	3.8

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	9	42	192	63	0	306	3.56	28.73	7.55	0.36
2	9	27	183	66	0	285	3.73	27.71	7.43	0.38
3	9	39	213	60	0	321	3.22	27.06	6.76	0.35
4	6	27	183	63	0	279	3.72	27.36	7.22	0.48
5	6	45	195	63	0	309	3.53	28.56	7.38	0.44
6	12	33	189	60	0	294	3.79	27.24	7.49	0.42
7	12	33	213	60	0	318	3.37	27.29	6.89	0.42
8	12	36	231	63	0	342	3.14	27.76	6.92	0.33
9	15	33	198	60	0	306	3.54	27.46	7.22	0.34
10	15	21	186	60	0	282	3.86	27.81	7.24	0.62

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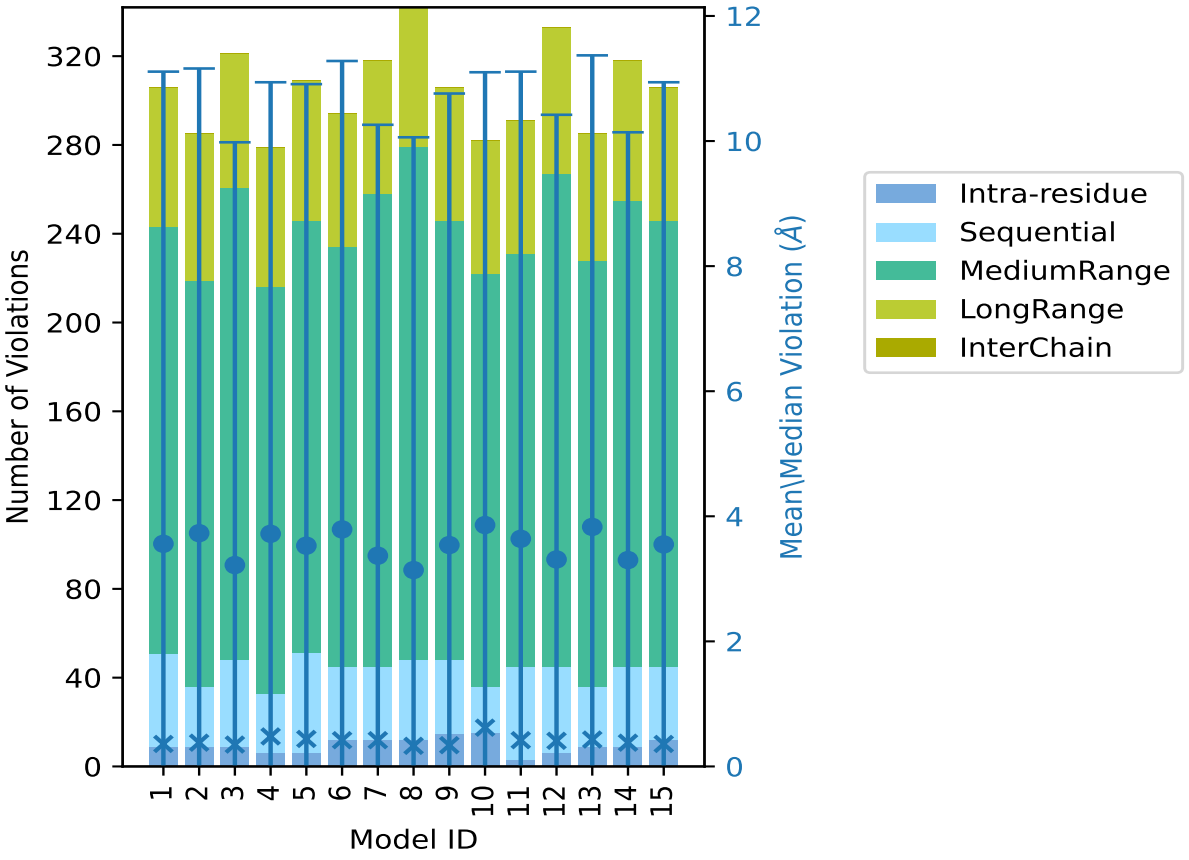
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	3	42	186	60	0	291	3.64	27.8	7.47	0.42
12	6	39	222	66	0	333	3.31	28.31	7.11	0.41
13	9	27	192	57	0	285	3.83	27.62	7.54	0.43
14	9	36	210	63	0	318	3.3	27.37	6.84	0.38
15	12	33	201	60	0	306	3.55	28.16	7.39	0.36

[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

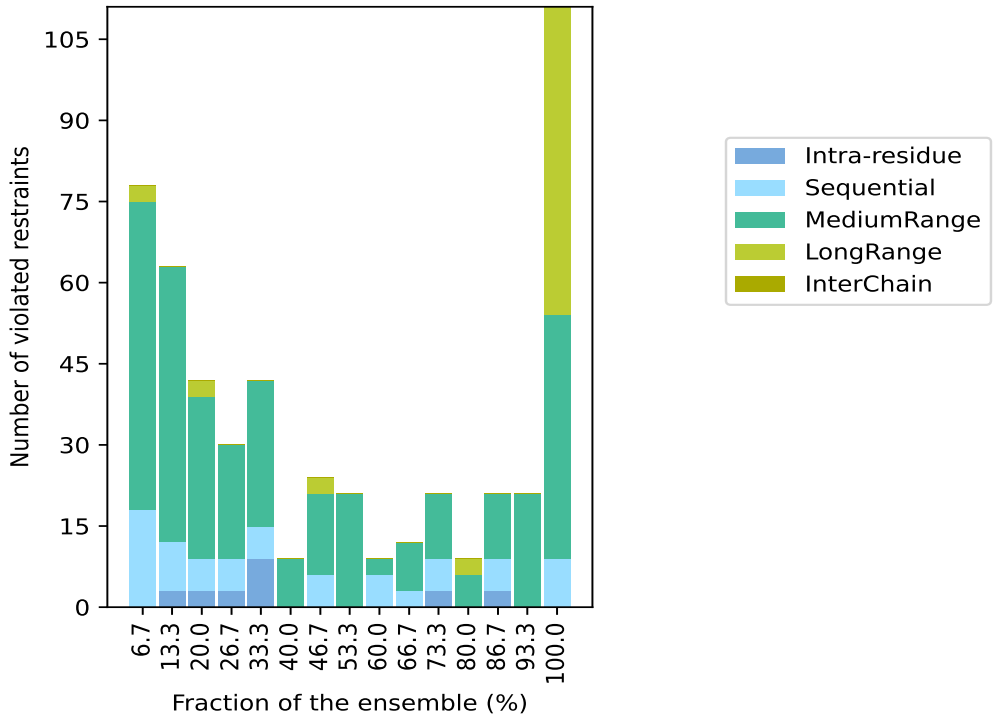
9.3 Distance violation statistics for the ensemble (i)

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, 567(IR:135, SQ:291, MR:126, LR:15, 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]	%
0	18	57	3	0	78	1	6.7
3	9	51	0	0	63	2	13.3
3	6	30	3	0	42	3	20.0
3	6	21	0	0	30	4	26.7
9	6	27	0	0	42	5	33.3
0	0	9	0	0	9	6	40.0
0	6	15	3	0	24	7	46.7
0	0	21	0	0	21	8	53.3
0	6	3	0	0	9	9	60.0
0	3	9	0	0	12	10	66.7
3	6	12	0	0	21	11	73.3
0	0	6	3	0	9	12	80.0
3	6	12	0	0	21	13	86.7
0	0	21	0	0	21	14	93.3
0	9	45	57	0	111	15	100.0

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

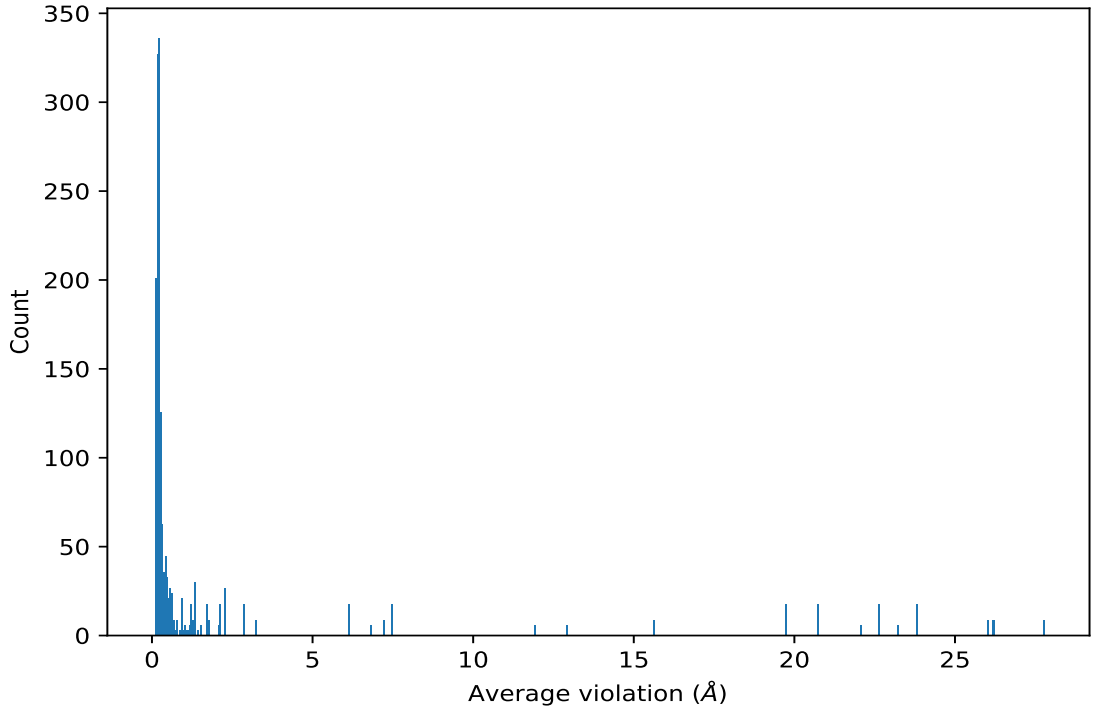
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	27.75	0.48	27.71
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	27.75	0.48	27.71
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	27.75	0.48	27.71
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	27.75	0.48	27.71
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	27.75	0.48	27.71
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	27.75	0.48	27.71
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	27.75	0.48	27.71
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	27.75	0.48	27.71
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	27.75	0.48	27.71
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	15	26.22	0.66	26.06
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	15	26.22	0.66	26.06
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	15	26.22	0.66	26.06
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	15	26.22	0.66	26.06
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	15	26.22	0.66	26.06
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	15	26.22	0.66	26.06
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	15	26.22	0.66	26.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	15	26.22	0.66	26.06
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	15	26.22	0.66	26.06
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	26.16	0.99	26.47
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	26.16	0.99	26.47
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	26.16	0.99	26.47
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	26.16	0.99	26.47
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	26.16	0.99	26.47
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	26.16	0.99	26.47
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	26.16	0.99	26.47
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	26.16	0.99	26.47
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	26.16	0.99	26.47
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	26.0	0.85	25.81
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	26.0	0.85	25.81
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	26.0	0.85	25.81
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	26.0	0.85	25.81
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	26.0	0.85	25.81
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	26.0	0.85	25.81
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	26.0	0.85	25.81
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	26.0	0.85	25.81
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	26.0	0.85	25.81
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	23.83	0.72	23.95
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	23.83	0.72	23.95
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	23.83	0.72	23.95
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	23.83	0.72	23.95
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	23.83	0.72	23.95
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	23.83	0.72	23.95
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	23.83	0.72	23.95
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	23.83	0.72	23.95
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	23.83	0.72	23.95
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	23.83	0.72	23.95
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	23.83	0.72	23.95
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	23.83	0.72	23.95
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	23.83	0.72	23.95
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	23.83	0.72	23.95
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	23.83	0.72	23.95
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	23.83	0.72	23.95
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	23.83	0.72	23.95
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	23.83	0.72	23.95
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	23.22	0.83	23.35
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	23.22	0.83	23.35
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	23.22	0.83	23.35
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	23.22	0.83	23.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	23.22	0.83	23.35
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	23.22	0.83	23.35
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	22.64	0.82	22.7
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	22.64	0.82	22.7
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	22.64	0.82	22.7
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	22.64	0.82	22.7
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	22.64	0.82	22.7
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	22.64	0.82	22.7
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	22.64	0.82	22.7
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	22.64	0.82	22.7
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	22.64	0.82	22.7
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	22.64	0.82	22.7
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	22.64	0.82	22.7
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	22.64	0.82	22.7
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	22.64	0.82	22.7
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	22.64	0.82	22.7
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	22.64	0.82	22.7
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	22.64	0.82	22.7
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	22.64	0.82	22.7
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	22.64	0.82	22.7
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	15	22.09	1.02	21.99
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	15	22.09	1.02	21.99
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	15	22.09	1.02	21.99
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	15	22.09	1.02	21.99
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	15	22.09	1.02	21.99
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	15	22.09	1.02	21.99
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	20.71	0.98	20.89
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	20.71	0.98	20.89
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	20.71	0.98	20.89
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	20.71	0.98	20.89
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	20.71	0.98	20.89
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	20.71	0.98	20.89
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	20.71	0.98	20.89
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	20.71	0.98	20.89
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	20.71	0.98	20.89
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	20.71	0.98	20.89
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	20.71	0.98	20.89
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	20.71	0.98	20.89
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	20.71	0.98	20.89
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	20.71	0.98	20.89
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	20.71	0.98	20.89
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	20.71	0.98	20.89

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	20.71	0.98	20.89
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	20.71	0.98	20.89
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	19.71	1.34	19.75
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	19.71	1.34	19.75
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	19.71	1.34	19.75
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	19.71	1.34	19.75
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	19.71	1.34	19.75
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	19.71	1.34	19.75
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	19.71	1.34	19.75
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	19.71	1.34	19.75
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	19.71	1.34	19.75
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	19.71	1.34	19.75
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	19.71	1.34	19.75
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	19.71	1.34	19.75
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	19.71	1.34	19.75
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	19.71	1.34	19.75
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	19.71	1.34	19.75
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	19.71	1.34	19.75
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	19.71	1.34	19.75
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	19.71	1.34	19.75
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	15.64	0.99	15.58
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	15.64	0.99	15.58
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	15.64	0.99	15.58
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	15.64	0.99	15.58
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	15.64	0.99	15.58
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	15.64	0.99	15.58
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	15.64	0.99	15.58
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	15.64	0.99	15.58
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	15.64	0.99	15.58
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	12.92	0.85	12.75
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	12.92	0.85	12.75
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	12.92	0.85	12.75
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	12.92	0.85	12.75
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	12.92	0.85	12.75
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	12.92	0.85	12.75
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	11.91	0.73	11.83
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	11.91	0.73	11.83
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	11.91	0.73	11.83
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	11.91	0.73	11.83
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	11.91	0.73	11.83
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	11.91	0.73	11.83
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	7.46	1.39	7.1

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	7.46	1.39	7.1
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	7.46	1.39	7.1
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	7.46	1.39	7.1
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	7.46	1.39	7.1
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	7.46	1.39	7.1
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	7.46	1.39	7.1
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	7.46	1.39	7.1
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	7.46	1.39	7.1
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	7.46	1.39	7.1
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	7.46	1.39	7.1
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	7.46	1.39	7.1
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	7.46	1.39	7.1
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	7.46	1.39	7.1
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	7.46	1.39	7.1
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	7.46	1.39	7.1
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	7.46	1.39	7.1
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	7.46	1.39	7.1
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	7.22	0.53	7.26
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	7.22	0.53	7.26
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	7.22	0.53	7.26
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	7.22	0.53	7.26
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	7.22	0.53	7.26
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	7.22	0.53	7.26
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	7.22	0.53	7.26
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	7.22	0.53	7.26
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	7.22	0.53	7.26
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	6.81	0.64	7.09
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	6.81	0.64	7.09
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	6.81	0.64	7.09
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	6.81	0.64	7.09
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	6.81	0.64	7.09
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	6.81	0.64	7.09
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.13	0.47	6.15
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.13	0.47	6.15
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.13	0.47	6.15
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.13	0.47	6.15
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.13	0.47	6.15
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.13	0.47	6.15
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.13	0.47	6.15
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.13	0.47	6.15
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.13	0.47	6.15
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.13	0.47	6.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.13	0.47	6.15
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.13	0.47	6.15
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	6.13	0.47	6.15
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	6.13	0.47	6.15
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	6.13	0.47	6.15
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	6.13	0.47	6.15
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	6.13	0.47	6.15
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	6.13	0.47	6.15
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.2	0.8	3.18
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.2	0.8	3.18
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.2	0.8	3.18
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.2	0.8	3.18
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.2	0.8	3.18
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.2	0.8	3.18
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	15	3.2	0.8	3.18
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	15	3.2	0.8	3.18
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	15	3.2	0.8	3.18
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	2.86	1.04	2.78
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	2.86	1.04	2.78
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	2.86	1.04	2.78
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	2.86	1.04	2.78
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	2.86	1.04	2.78
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	2.86	1.04	2.78
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	2.86	1.04	2.78
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	2.86	1.04	2.78
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	2.86	1.04	2.78
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	2.86	1.04	2.78
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	2.86	1.04	2.78
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	2.86	1.04	2.78
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	2.86	1.04	2.78
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	2.86	1.04	2.78
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	2.86	1.04	2.78
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	2.86	1.04	2.78
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	2.86	1.04	2.78
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	2.86	1.04	2.78
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.26	0.24	2.35
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.26	0.24	2.35
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.26	0.24	2.35
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.26	0.24	2.35
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.26	0.24	2.35
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.26	0.24	2.35
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.26	0.24	2.35

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.26	0.24	2.35
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.26	0.24	2.35
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.26	0.24	2.35
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.26	0.24	2.35
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.26	0.24	2.35
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.26	0.24	2.35
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.26	0.24	2.35
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.26	0.24	2.35
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.26	0.24	2.35
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.26	0.24	2.35
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.26	0.24	2.35
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.26	0.24	2.35
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.26	0.24	2.35
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.26	0.24	2.35
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.26	0.24	2.35
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.26	0.24	2.35
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.26	0.24	2.35
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.26	0.24	2.35
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.26	0.24	2.35
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.26	0.24	2.35
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	2.12	0.44	1.98
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	2.12	0.44	1.98
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	2.12	0.44	1.98
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	2.12	0.44	1.98
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	2.12	0.44	1.98
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	2.12	0.44	1.98
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	2.12	0.44	1.98
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	2.12	0.44	1.98
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	2.12	0.44	1.98
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	2.12	0.44	1.98
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	2.12	0.44	1.98
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	2.12	0.44	1.98
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	2.12	0.44	1.98
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	2.12	0.44	1.98
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	2.12	0.44	1.98
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	2.12	0.44	1.98
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	2.12	0.44	1.98
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	2.12	0.44	1.98
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.09	0.47	2.09
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.09	0.47	2.09
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.09	0.47	2.09
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.09	0.47	2.09

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.09	0.47	2.09
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.09	0.47	2.09
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	1.75	0.17	1.79
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	1.75	0.17	1.79
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	1.75	0.17	1.79
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	1.75	0.17	1.79
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	1.75	0.17	1.79
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	1.75	0.17	1.79
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	1.75	0.17	1.79
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	1.75	0.17	1.79
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	1.75	0.17	1.79
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	15	1.54	0.25	1.48
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	15	1.54	0.25	1.48
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	15	1.54	0.25	1.48
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	15	1.54	0.14	1.52
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	15	1.54	0.14	1.52
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	15	1.54	0.14	1.52
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	15	1.45	0.24	1.4
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	15	1.45	0.24	1.4
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	15	1.45	0.24	1.4
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	1.34	0.34	1.36
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	1.34	0.34	1.36
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	1.34	0.34	1.36
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	1.34	0.34	1.36
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	1.34	0.34	1.36
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	1.34	0.34	1.36
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	1.34	0.34	1.36
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	1.34	0.34	1.36
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	1.34	0.34	1.36
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	1.34	0.34	1.36
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	1.34	0.34	1.36
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	1.34	0.34	1.36
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	1.34	0.34	1.36
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	1.34	0.34	1.36
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	1.34	0.34	1.36
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	1.34	0.34	1.36
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	1.34	0.34	1.36
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	1.34	0.34	1.36
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	15	1.31	0.12	1.3
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	15	1.31	0.12	1.3
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	15	1.31	0.12	1.3
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.31	0.23	1.26

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.31	0.23	1.26
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.31	0.23	1.26
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.31	0.23	1.26
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.31	0.23	1.26
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.31	0.23	1.26
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.31	0.23	1.26
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.31	0.23	1.26
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.31	0.23	1.26
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.25	0.17	1.29
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.25	0.17	1.29
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.25	0.17	1.29
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.25	0.17	1.29
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.25	0.17	1.29
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.25	0.17	1.29
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.25	0.17	1.29
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.25	0.17	1.29
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.25	0.17	1.29
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	15	1.2	0.18	1.2
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	15	1.2	0.18	1.2
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	15	1.2	0.18	1.2
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	15	1.2	0.13	1.21
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	15	1.2	0.13	1.21
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	15	1.2	0.13	1.21
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	15	1.14	0.11	1.13
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	15	1.14	0.11	1.13
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	15	1.14	0.11	1.13
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	15	1.05	0.24	1.02
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	15	1.05	0.24	1.02
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	15	1.05	0.24	1.02
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	15	0.97	0.11	0.99
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	15	0.97	0.11	0.99
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	15	0.97	0.11	0.99
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	15	0.92	0.12	0.94
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	15	0.92	0.12	0.94
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	15	0.92	0.12	0.94
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	15	0.87	0.18	0.88
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	15	0.87	0.18	0.88
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	15	0.87	0.18	0.88
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	15	0.71	0.23	0.7
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	15	0.71	0.23	0.7
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	15	0.71	0.23	0.7
(2,155)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	15	0.54	0.33	0.41

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	15	0.54	0.33	0.41
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH22	15	0.54	0.33	0.41
(2,155)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	15	0.54	0.33	0.41
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH21	15	0.54	0.33	0.41
(2,482)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	15	0.54	0.33	0.41
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	15	0.54	0.33	0.41
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH22	15	0.54	0.33	0.41
(2,482)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	15	0.54	0.33	0.41
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH21	15	0.54	0.33	0.41
(2,809)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	15	0.54	0.33	0.41
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	15	0.54	0.33	0.41
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH22	15	0.54	0.33	0.41
(2,809)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	15	0.54	0.33	0.41
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH21	15	0.54	0.33	0.41
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.46	0.12	0.44
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.46	0.12	0.44
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.46	0.12	0.44
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.46	0.08	0.46
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.46	0.08	0.46
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.46	0.08	0.46
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.46	0.08	0.46
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.46	0.08	0.46
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.46	0.08	0.46
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.46	0.08	0.46
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.46	0.08	0.46
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.46	0.08	0.46
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.44	0.1	0.47
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.44	0.1	0.47
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.44	0.1	0.47
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.44	0.1	0.47
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.44	0.1	0.47
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.44	0.1	0.47
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.44	0.1	0.47
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.44	0.1	0.47
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.44	0.1	0.47
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.43	0.16	0.49
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.43	0.16	0.49
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.43	0.16	0.49
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.33	0.1	0.34
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.33	0.1	0.34
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.33	0.1	0.34
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.31	0.1	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.31	0.1	0.3
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.31	0.1	0.3
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	15	0.28	0.09	0.31
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	15	0.28	0.09	0.31
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	15	0.28	0.09	0.31
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	15	0.28	0.09	0.31
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	15	0.28	0.09	0.31
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	15	0.28	0.09	0.31
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	15	0.28	0.09	0.31
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	15	0.28	0.09	0.31
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	15	0.28	0.09	0.31
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	15	0.28	0.09	0.31
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	15	0.28	0.09	0.31
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	15	0.28	0.09	0.31
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	15	0.28	0.09	0.31
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	15	0.28	0.09	0.31
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	15	0.28	0.09	0.31
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	15	0.28	0.09	0.31
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	15	0.28	0.09	0.31
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	15	0.28	0.09	0.31
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.23	0.04	0.25
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.23	0.04	0.25
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.23	0.04	0.25
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.23	0.04	0.25
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.23	0.04	0.25
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.23	0.04	0.25
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.23	0.04	0.25
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.23	0.04	0.25
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.23	0.04	0.25
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.23	0.04	0.25
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.23	0.04	0.25
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.23	0.04	0.25
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.23	0.04	0.25
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.23	0.04	0.25
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.23	0.04	0.25
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.23	0.04	0.25
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.23	0.04	0.25
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.23	0.04	0.25
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.2	0.01	0.2
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.2	0.01	0.2
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.2	0.01	0.2
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.18	0.03	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.18	0.03	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.18	0.03	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.18	0.03	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.18	0.03	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.18	0.03	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.18	0.03	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.18	0.03	0.17
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.18	0.03	0.17
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.18	0.03	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.18	0.03	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.18	0.03	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.18	0.03	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.18	0.03	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.18	0.03	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.18	0.03	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.18	0.03	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.18	0.03	0.17
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	1.74	1.39	1.27
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	1.74	1.39	1.27
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	1.74	1.39	1.27
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	1.74	1.39	1.27
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	1.74	1.39	1.27
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	1.74	1.39	1.27
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	1.74	1.39	1.27
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	1.74	1.39	1.27
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	1.74	1.39	1.27
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	1.74	1.39	1.27
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	1.74	1.39	1.27
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	1.74	1.39	1.27
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	1.74	1.39	1.27
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	1.74	1.39	1.27
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	1.74	1.39	1.27
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	1.74	1.39	1.27
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	1.74	1.39	1.27
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	1.74	1.39	1.27
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	1.23	0.66	1.06
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	1.23	0.66	1.06
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	1.23	0.66	1.06
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	1.23	0.66	1.06
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	1.23	0.66	1.06
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	1.23	0.66	1.06
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	1.23	0.66	1.06

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	1.23	0.66	1.06
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	1.23	0.66	1.06
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	1.23	0.66	1.06
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	1.23	0.66	1.06
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	1.23	0.66	1.06
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	1.23	0.66	1.06
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	1.23	0.66	1.06
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	1.23	0.66	1.06
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	1.23	0.66	1.06
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	1.23	0.66	1.06
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	1.23	0.66	1.06
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	0.94	0.4	1.02
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	0.94	0.4	1.02
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	0.94	0.4	1.02
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	0.94	0.4	1.02
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	0.94	0.4	1.02
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	0.94	0.4	1.02
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	0.94	0.4	1.02
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	0.94	0.4	1.02
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	0.94	0.4	1.02
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	0.94	0.4	1.02
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	0.94	0.4	1.02
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	0.94	0.4	1.02
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	14	0.94	0.4	1.02
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	14	0.94	0.4	1.02
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	14	0.94	0.4	1.02
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	14	0.94	0.4	1.02
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	14	0.94	0.4	1.02
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	14	0.94	0.4	1.02
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.57	0.15	0.55
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.57	0.15	0.55
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.57	0.15	0.55
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.57	0.15	0.55
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.57	0.15	0.55
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.57	0.15	0.55
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.57	0.15	0.55
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.57	0.15	0.55
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.57	0.15	0.55
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.57	0.15	0.55
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.57	0.15	0.55
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.57	0.15	0.55
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.57	0.15	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.57	0.15	0.55
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.57	0.15	0.55
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.57	0.15	0.55
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.57	0.15	0.55
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.57	0.15	0.55
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.57	0.15	0.55
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.57	0.15	0.55
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.57	0.15	0.55
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.57	0.15	0.55
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.57	0.15	0.55
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.57	0.15	0.55
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.57	0.15	0.55
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.57	0.15	0.55
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.57	0.15	0.55
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.29	0.07	0.28
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.29	0.07	0.28
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.29	0.07	0.28
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.29	0.07	0.28
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.29	0.07	0.28
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.29	0.07	0.28
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.29	0.07	0.28
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.29	0.07	0.28
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.29	0.07	0.28
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	14	0.25	0.06	0.24
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	14	0.25	0.06	0.24
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	14	0.25	0.06	0.24
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	14	0.25	0.06	0.24
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	14	0.25	0.06	0.24
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	14	0.25	0.06	0.24
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	14	0.25	0.06	0.24
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	14	0.25	0.06	0.24
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	14	0.25	0.06	0.24
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.18	0.05	0.16
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.18	0.05	0.16
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.18	0.05	0.16
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.18	0.05	0.16
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.18	0.05	0.16
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.18	0.05	0.16
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.18	0.05	0.16
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.18	0.05	0.16
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.18	0.05	0.16
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.18	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.18	0.05	0.16
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.18	0.05	0.16
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.18	0.05	0.16
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.18	0.05	0.16
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.18	0.05	0.16
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.18	0.05	0.16
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.18	0.05	0.16
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.18	0.05	0.16
(2,439)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,439)	1:761:C:ARG:HH22	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,439)	1:761:C:ARG:HH11	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,439)	1:761:C:ARG:HH11	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,439)	1:761:C:ARG:HH21	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,439)	1:761:C:ARG:HH22	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,439)	1:761:C:ARG:HH12	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,439)	1:761:C:ARG:HH12	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,766)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,766)	1:761:C:ARG:HH22	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,766)	1:761:C:ARG:HH11	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,766)	1:761:C:ARG:HH11	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,766)	1:761:C:ARG:HH21	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,766)	1:761:C:ARG:HH22	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,766)	1:761:C:ARG:HH12	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,766)	1:761:C:ARG:HH12	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,1093)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,1093)	1:761:C:ARG:HH22	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,1093)	1:761:C:ARG:HH11	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,1093)	1:761:C:ARG:HH11	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,1093)	1:761:C:ARG:HH21	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,1093)	1:761:C:ARG:HH22	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,1093)	1:761:C:ARG:HH12	1:758:C:ASP:OD1	13	0.63	0.23	0.68
(2,1093)	1:761:C:ARG:HH12	1:758:C:ASP:OD2	13	0.63	0.23	0.68
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	13	0.5	0.14	0.48
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HE3	13	0.5	0.14	0.48
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	13	0.5	0.14	0.48
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HE3	13	0.5	0.14	0.48
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	13	0.5	0.14	0.48
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HE3	13	0.5	0.14	0.48
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	13	0.36	0.05	0.36
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	13	0.36	0.05	0.36
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	13	0.36	0.05	0.36
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	13	0.36	0.05	0.36

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	13	0.36	0.05	0.36
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	13	0.36	0.05	0.36
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	13	0.36	0.05	0.36
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	13	0.36	0.05	0.36
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	13	0.36	0.05	0.36
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	13	0.28	0.11	0.27
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	13	0.28	0.11	0.27
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	13	0.28	0.11	0.27
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	13	0.28	0.11	0.27
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	13	0.28	0.11	0.27
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	13	0.28	0.11	0.27
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.28	0.11	0.26
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.28	0.11	0.26
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.28	0.11	0.26
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.28	0.11	0.26
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.28	0.11	0.26
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.28	0.11	0.26
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.26	0.08	0.29
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.26	0.08	0.29
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.26	0.08	0.29
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.23	0.07	0.24
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.23	0.07	0.24
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.23	0.07	0.24
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	13	0.2	0.07	0.19
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	13	0.2	0.07	0.19
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	13	0.2	0.07	0.19
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	13	0.2	0.07	0.19
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	13	0.2	0.07	0.19
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	13	0.2	0.07	0.19
(2,441)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	12	0.38	0.14	0.37
(2,441)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	12	0.38	0.14	0.37
(2,441)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	12	0.38	0.14	0.37
(2,441)	1:780:C:ARG:HH21	1:783:C:GLU:OE2	12	0.38	0.14	0.37
(2,441)	1:780:C:ARG:HH22	1:783:C:GLU:OE2	12	0.38	0.14	0.37
(2,768)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	12	0.38	0.14	0.37
(2,768)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	12	0.38	0.14	0.37
(2,768)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	12	0.38	0.14	0.37
(2,768)	1:780:C:ARG:HH21	1:783:C:GLU:OE2	12	0.38	0.14	0.37
(2,768)	1:780:C:ARG:HH22	1:783:C:GLU:OE2	12	0.38	0.14	0.37
(2,1095)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	12	0.38	0.14	0.37
(2,1095)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	12	0.38	0.14	0.37
(2,1095)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	12	0.38	0.14	0.37

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1095)	1:780:C:ARG:HH21	1:783:C:GLU:OE2	12	0.38	0.14	0.37
(2,1095)	1:780:C:ARG:HH22	1:783:C:GLU:OE2	12	0.38	0.14	0.37
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.27	0.09	0.27
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.27	0.09	0.27
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.27	0.09	0.27
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.27	0.09	0.27
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.27	0.09	0.27
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.27	0.09	0.27
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	12	0.27	0.09	0.27
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	12	0.27	0.09	0.27
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	12	0.27	0.09	0.27
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.21	0.06	0.2
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.21	0.06	0.2
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.21	0.06	0.2
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.21	0.06	0.2
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.21	0.06	0.2
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.21	0.06	0.2
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.21	0.06	0.2
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.21	0.06	0.2
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.21	0.06	0.2
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.21	0.06	0.2
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.21	0.06	0.2
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.21	0.06	0.2
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.21	0.06	0.2
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.21	0.06	0.2
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.21	0.06	0.2
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.21	0.06	0.2
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.21	0.06	0.2
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.21	0.06	0.2
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.2	0.05	0.18
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.2	0.05	0.18
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.2	0.05	0.18
(2,438)	1:744:C:ARG:HH21	1:741:C:ASP:OD2	11	0.46	0.33	0.4
(2,438)	1:744:C:ARG:HH22	1:741:C:ASP:OD1	11	0.46	0.33	0.4
(2,438)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	11	0.46	0.33	0.4
(2,438)	1:744:C:ARG:HH21	1:741:C:ASP:OD1	11	0.46	0.33	0.4
(2,438)	1:744:C:ARG:HH22	1:741:C:ASP:OD2	11	0.46	0.33	0.4
(2,438)	1:744:C:ARG:HH11	1:741:C:ASP:OD2	11	0.46	0.33	0.4
(2,765)	1:744:C:ARG:HH21	1:741:C:ASP:OD2	11	0.46	0.33	0.4
(2,765)	1:744:C:ARG:HH22	1:741:C:ASP:OD1	11	0.46	0.33	0.4
(2,765)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	11	0.46	0.33	0.4
(2,765)	1:744:C:ARG:HH21	1:741:C:ASP:OD1	11	0.46	0.33	0.4

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,765)	1:744:C:ARG:HH22	1:741:C:ASP:OD2	11	0.46	0.33	0.4
(2,765)	1:744:C:ARG:HH11	1:741:C:ASP:OD2	11	0.46	0.33	0.4
(2,1092)	1:744:C:ARG:HH21	1:741:C:ASP:OD2	11	0.46	0.33	0.4
(2,1092)	1:744:C:ARG:HH22	1:741:C:ASP:OD1	11	0.46	0.33	0.4
(2,1092)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	11	0.46	0.33	0.4
(2,1092)	1:744:C:ARG:HH21	1:741:C:ASP:OD1	11	0.46	0.33	0.4
(2,1092)	1:744:C:ARG:HH22	1:741:C:ASP:OD2	11	0.46	0.33	0.4
(2,1092)	1:744:C:ARG:HH11	1:741:C:ASP:OD2	11	0.46	0.33	0.4
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	11	0.26	0.14	0.24
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	11	0.26	0.14	0.24
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	11	0.26	0.14	0.24
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.25	0.09	0.27
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.25	0.09	0.27
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.25	0.09	0.27
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.25	0.09	0.27
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.25	0.09	0.27
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.25	0.09	0.27
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.25	0.09	0.27
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.25	0.09	0.27
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.25	0.09	0.27
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.25	0.09	0.27
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.25	0.09	0.27
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.25	0.09	0.27
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	11	0.25	0.09	0.27
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	11	0.25	0.09	0.27
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	11	0.25	0.09	0.27
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	11	0.25	0.09	0.27
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	11	0.25	0.09	0.27
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	11	0.25	0.09	0.27
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.24	0.09	0.23
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.24	0.09	0.23
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.24	0.09	0.23
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.24	0.09	0.23
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.24	0.09	0.23
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.24	0.09	0.23
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.24	0.09	0.23
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.24	0.09	0.23
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.24	0.09	0.23
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.22	0.08	0.2
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.22	0.08	0.2
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.22	0.08	0.2
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.22	0.08	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.22	0.08	0.2
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.22	0.08	0.2
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.22	0.08	0.2
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.22	0.08	0.2
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.22	0.08	0.2
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.22	0.08	0.2
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.22	0.08	0.2
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.22	0.08	0.2
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.22	0.08	0.2
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.22	0.08	0.2
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.22	0.08	0.2
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.22	0.08	0.2
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.22	0.08	0.2
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.22	0.08	0.2
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.21	0.06	0.21
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.21	0.06	0.21
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.21	0.06	0.21
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.21	0.06	0.21
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.21	0.06	0.21
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.21	0.06	0.21
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.21	0.06	0.21
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.21	0.06	0.21
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.21	0.06	0.21
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.21	0.06	0.21
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.21	0.06	0.21
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.21	0.06	0.21
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.21	0.06	0.21
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.21	0.06	0.21
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.21	0.06	0.21
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.21	0.06	0.21
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.21	0.06	0.21
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.21	0.06	0.21
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	11	0.19	0.08	0.18
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	11	0.19	0.08	0.18
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	11	0.19	0.08	0.18
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	11	0.19	0.08	0.18
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	11	0.19	0.08	0.18
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	11	0.19	0.08	0.18
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	11	0.15	0.03	0.14
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	11	0.15	0.03	0.14
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	11	0.15	0.03	0.14
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	11	0.15	0.03	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	11	0.15	0.03	0.14
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	11	0.15	0.03	0.14
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	10	0.34	0.11	0.34
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	10	0.34	0.11	0.34
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	10	0.34	0.11	0.34
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	10	0.34	0.11	0.34
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	10	0.34	0.11	0.34
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	10	0.34	0.11	0.34
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	10	0.34	0.11	0.34
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	10	0.34	0.11	0.34
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	10	0.34	0.11	0.34
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.23	0.09	0.21
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.23	0.09	0.21
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	10	0.23	0.09	0.21
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.2	0.08	0.18
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.2	0.08	0.18
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.2	0.08	0.18
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.16	0.03	0.16
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	9	0.28	0.11	0.26
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	9	0.28	0.11	0.26
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	9	0.28	0.11	0.26
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	9	0.25	0.12	0.23
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	9	0.25	0.12	0.23
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	9	0.25	0.12	0.23
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	9	0.25	0.12	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	9	0.25	0.12	0.23
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	9	0.25	0.12	0.23
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	9	0.25	0.12	0.23
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	9	0.25	0.12	0.23
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	9	0.25	0.12	0.23
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	9	0.21	0.04	0.22
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	9	0.21	0.04	0.22
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	9	0.21	0.04	0.22
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	9	0.21	0.04	0.22
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	9	0.21	0.04	0.22
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	9	0.21	0.04	0.22
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	9	0.21	0.04	0.22
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	9	0.21	0.04	0.22
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	9	0.21	0.04	0.22
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.19	0.07	0.18
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.19	0.07	0.18
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.19	0.07	0.18
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.19	0.07	0.18
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.19	0.07	0.18
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.19	0.07	0.18
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.19	0.07	0.18
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.19	0.07	0.18
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.19	0.07	0.18
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.19	0.07	0.18
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.19	0.07	0.18
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.19	0.07	0.18
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.19	0.07	0.18
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.19	0.07	0.18
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.19	0.07	0.18
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.19	0.07	0.18
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.19	0.07	0.18
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.19	0.07	0.18
(2,323)	1:755:C:LEU:H	1:752:C:SER:HA	8	0.18	0.08	0.15
(2,650)	1:755:C:LEU:H	1:752:C:SER:HA	8	0.18	0.08	0.15
(2,977)	1:755:C:LEU:H	1:752:C:SER:HA	8	0.18	0.08	0.15
(2,228)	1:706:C:ASN:H	1:703:C:SER:HA	8	0.18	0.05	0.16
(2,555)	1:706:C:ASN:H	1:703:C:SER:HA	8	0.18	0.05	0.16
(2,882)	1:706:C:ASN:H	1:703:C:SER:HA	8	0.18	0.05	0.16
(2,303)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.17	0.06	0.17
(2,630)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.17	0.06	0.17
(2,957)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.17	0.06	0.17
(2,381)	1:777:C:ILE:HD11	1:774:C:LEU:HA	8	0.16	0.05	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,381)	1:777:C:ILE:HD12	1:774:C:LEU:HA	8	0.16	0.05	0.15
(2,381)	1:777:C:ILE:HD13	1:774:C:LEU:HA	8	0.16	0.05	0.15
(2,708)	1:777:C:ILE:HD11	1:774:C:LEU:HA	8	0.16	0.05	0.15
(2,708)	1:777:C:ILE:HD12	1:774:C:LEU:HA	8	0.16	0.05	0.15
(2,708)	1:777:C:ILE:HD13	1:774:C:LEU:HA	8	0.16	0.05	0.15
(2,1035)	1:777:C:ILE:HD11	1:774:C:LEU:HA	8	0.16	0.05	0.15
(2,1035)	1:777:C:ILE:HD12	1:774:C:LEU:HA	8	0.16	0.05	0.15
(2,1035)	1:777:C:ILE:HD13	1:774:C:LEU:HA	8	0.16	0.05	0.15
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.15	0.04	0.14
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.15	0.04	0.14
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.15	0.04	0.14
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.15	0.04	0.14
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.15	0.04	0.14
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.15	0.04	0.14
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.15	0.04	0.14
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.15	0.04	0.14
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.15	0.04	0.14
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.15	0.04	0.14
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.15	0.04	0.14
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.15	0.04	0.14
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.15	0.04	0.14
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.15	0.04	0.14
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.15	0.04	0.14
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.15	0.04	0.14
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.15	0.04	0.14
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.15	0.04	0.14
(2,217)	1:705:C:VAL:H	1:702:C:LEU:HA	8	0.14	0.05	0.13
(2,544)	1:705:C:VAL:H	1:702:C:LEU:HA	8	0.14	0.05	0.13
(2,871)	1:705:C:VAL:H	1:702:C:LEU:HA	8	0.14	0.05	0.13
(2,437)	1:740:C:ARG:HH11	1:743:C:ASP:OD2	7	0.42	0.25	0.33
(2,437)	1:740:C:ARG:HH21	1:743:C:ASP:OD1	7	0.42	0.25	0.33
(2,437)	1:740:C:ARG:HH11	1:743:C:ASP:OD1	7	0.42	0.25	0.33
(2,437)	1:740:C:ARG:HH21	1:743:C:ASP:OD2	7	0.42	0.25	0.33
(2,437)	1:740:C:ARG:HH22	1:743:C:ASP:OD1	7	0.42	0.25	0.33
(2,437)	1:740:C:ARG:HH12	1:743:C:ASP:OD2	7	0.42	0.25	0.33
(2,764)	1:740:C:ARG:HH11	1:743:C:ASP:OD2	7	0.42	0.25	0.33
(2,764)	1:740:C:ARG:HH21	1:743:C:ASP:OD1	7	0.42	0.25	0.33
(2,764)	1:740:C:ARG:HH11	1:743:C:ASP:OD1	7	0.42	0.25	0.33
(2,764)	1:740:C:ARG:HH21	1:743:C:ASP:OD2	7	0.42	0.25	0.33
(2,764)	1:740:C:ARG:HH22	1:743:C:ASP:OD1	7	0.42	0.25	0.33
(2,764)	1:740:C:ARG:HH12	1:743:C:ASP:OD2	7	0.42	0.25	0.33
(2,1091)	1:740:C:ARG:HH11	1:743:C:ASP:OD2	7	0.42	0.25	0.33

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1091)	1:740:C:ARG:HH21	1:743:C:ASP:OD1	7	0.42	0.25	0.33
(2,1091)	1:740:C:ARG:HH11	1:743:C:ASP:OD1	7	0.42	0.25	0.33
(2,1091)	1:740:C:ARG:HH21	1:743:C:ASP:OD2	7	0.42	0.25	0.33
(2,1091)	1:740:C:ARG:HH22	1:743:C:ASP:OD1	7	0.42	0.25	0.33
(2,1091)	1:740:C:ARG:HH12	1:743:C:ASP:OD2	7	0.42	0.25	0.33
(2,440)	1:770:C:ARG:HH21	1:773:C:ASP:OD1	7	0.32	0.14	0.34
(2,440)	1:770:C:ARG:HH11	1:773:C:ASP:OD1	7	0.32	0.14	0.34
(2,440)	1:770:C:ARG:HH21	1:773:C:ASP:OD2	7	0.32	0.14	0.34
(2,440)	1:770:C:ARG:HH11	1:773:C:ASP:OD2	7	0.32	0.14	0.34
(2,767)	1:770:C:ARG:HH21	1:773:C:ASP:OD1	7	0.32	0.14	0.34
(2,767)	1:770:C:ARG:HH11	1:773:C:ASP:OD1	7	0.32	0.14	0.34
(2,767)	1:770:C:ARG:HH21	1:773:C:ASP:OD2	7	0.32	0.14	0.34
(2,767)	1:770:C:ARG:HH11	1:773:C:ASP:OD2	7	0.32	0.14	0.34
(2,1094)	1:770:C:ARG:HH21	1:773:C:ASP:OD1	7	0.32	0.14	0.34
(2,1094)	1:770:C:ARG:HH11	1:773:C:ASP:OD1	7	0.32	0.14	0.34
(2,1094)	1:770:C:ARG:HH21	1:773:C:ASP:OD2	7	0.32	0.14	0.34
(2,1094)	1:770:C:ARG:HH11	1:773:C:ASP:OD2	7	0.32	0.14	0.34
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	7	0.22	0.04	0.24
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	7	0.22	0.04	0.24
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	7	0.22	0.04	0.24
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	7	0.22	0.04	0.24
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	7	0.22	0.04	0.24
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	7	0.22	0.04	0.24
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	7	0.22	0.04	0.24
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	7	0.22	0.04	0.24
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	7	0.22	0.04	0.24
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	7	0.22	0.04	0.24
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	7	0.22	0.04	0.24
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	7	0.22	0.04	0.24
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	7	0.22	0.04	0.24
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	7	0.22	0.04	0.24
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	7	0.22	0.04	0.24
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	7	0.22	0.04	0.24
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	7	0.22	0.04	0.24
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	7	0.22	0.04	0.24
(2,369)	1:775:C:LEU:HD11	1:772:C:ARG:HA	7	0.2	0.03	0.2
(2,369)	1:775:C:LEU:HD12	1:772:C:ARG:HA	7	0.2	0.03	0.2
(2,369)	1:775:C:LEU:HD13	1:772:C:ARG:HA	7	0.2	0.03	0.2
(2,696)	1:775:C:LEU:HD11	1:772:C:ARG:HA	7	0.2	0.03	0.2
(2,696)	1:775:C:LEU:HD12	1:772:C:ARG:HA	7	0.2	0.03	0.2
(2,696)	1:775:C:LEU:HD13	1:772:C:ARG:HA	7	0.2	0.03	0.2
(2,1023)	1:775:C:LEU:HD11	1:772:C:ARG:HA	7	0.2	0.03	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,1023)	1:775:C:LEU:HD12	1:772:C:ARG:HA	7	0.2	0.03	0.2
(2,1023)	1:775:C:LEU:HD13	1:772:C:ARG:HA	7	0.2	0.03	0.2
(2,330)	1:757:C:TRP:HE1	1:753:C:LEU:HG	7	0.18	0.11	0.14
(2,657)	1:757:C:TRP:HE1	1:753:C:LEU:HG	7	0.18	0.11	0.14
(2,984)	1:757:C:TRP:HE1	1:753:C:LEU:HG	7	0.18	0.11	0.14
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	7	0.18	0.07	0.16
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	7	0.18	0.07	0.16
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	7	0.18	0.07	0.16
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	7	0.18	0.07	0.16
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	7	0.18	0.07	0.16
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	7	0.18	0.07	0.16
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	7	0.18	0.07	0.16
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	7	0.18	0.07	0.16
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	7	0.18	0.07	0.16
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	7	0.18	0.07	0.16
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	7	0.18	0.07	0.16
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	7	0.18	0.07	0.16
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	7	0.18	0.07	0.16
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	7	0.18	0.07	0.16
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	7	0.18	0.07	0.16
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	7	0.18	0.07	0.16
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	7	0.18	0.07	0.16
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	7	0.18	0.07	0.16
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.16	0.03	0.15
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.16	0.03	0.15
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.16	0.03	0.15
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.16	0.03	0.15
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.16	0.03	0.15
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.16	0.03	0.15
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.16	0.03	0.15
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.16	0.03	0.15
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.16	0.03	0.15
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.16	0.03	0.15
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.16	0.03	0.15
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.16	0.03	0.15
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	7	0.16	0.03	0.15
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	7	0.16	0.03	0.15
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	7	0.16	0.03	0.15
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	7	0.16	0.03	0.15
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	7	0.16	0.03	0.15
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	7	0.16	0.03	0.15
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	7	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	7	0.15	0.03	0.16
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	7	0.15	0.03	0.16
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	7	0.15	0.03	0.16
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	7	0.15	0.03	0.16
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	7	0.15	0.03	0.16
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	7	0.15	0.03	0.16
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	7	0.15	0.03	0.16
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	7	0.15	0.03	0.16
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	7	0.15	0.03	0.16
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	7	0.15	0.03	0.16
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	7	0.15	0.03	0.16
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	7	0.15	0.03	0.16
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	7	0.15	0.03	0.16
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	7	0.15	0.03	0.16
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	7	0.15	0.03	0.16
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	7	0.15	0.03	0.16
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	7	0.15	0.03	0.16
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG11	7	0.15	0.01	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG12	7	0.15	0.01	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG13	7	0.15	0.01	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG11	7	0.15	0.01	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG12	7	0.15	0.01	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG13	7	0.15	0.01	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG11	7	0.15	0.01	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG12	7	0.15	0.01	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG13	7	0.15	0.01	0.14
(2,144)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.15	0.08	0.12
(2,144)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.15	0.08	0.12
(2,144)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.15	0.08	0.12
(2,471)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.15	0.08	0.12
(2,471)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.15	0.08	0.12
(2,471)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.15	0.08	0.12
(2,798)	1:687:C:ILE:HG21	1:691:C:SER:HG	7	0.15	0.08	0.12
(2,798)	1:687:C:ILE:HG22	1:691:C:SER:HG	7	0.15	0.08	0.12
(2,798)	1:687:C:ILE:HG23	1:691:C:SER:HG	7	0.15	0.08	0.12
(2,294)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	6	0.21	0.1	0.18
(2,294)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	6	0.21	0.1	0.18
(2,294)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	6	0.21	0.1	0.18
(2,621)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	6	0.21	0.1	0.18
(2,621)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	6	0.21	0.1	0.18
(2,621)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	6	0.21	0.1	0.18
(2,948)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	6	0.21	0.1	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,948)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	6	0.21	0.1	0.18
(2,948)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	6	0.21	0.1	0.18
(2,388)	1:778:C:VAL:HG21	1:775:C:LEU:HA	6	0.18	0.07	0.15
(2,388)	1:778:C:VAL:HG22	1:775:C:LEU:HA	6	0.18	0.07	0.15
(2,388)	1:778:C:VAL:HG23	1:775:C:LEU:HA	6	0.18	0.07	0.15
(2,715)	1:778:C:VAL:HG21	1:775:C:LEU:HA	6	0.18	0.07	0.15
(2,715)	1:778:C:VAL:HG22	1:775:C:LEU:HA	6	0.18	0.07	0.15
(2,715)	1:778:C:VAL:HG23	1:775:C:LEU:HA	6	0.18	0.07	0.15
(2,1042)	1:778:C:VAL:HG21	1:775:C:LEU:HA	6	0.18	0.07	0.15
(2,1042)	1:778:C:VAL:HG22	1:775:C:LEU:HA	6	0.18	0.07	0.15
(2,1042)	1:778:C:VAL:HG23	1:775:C:LEU:HA	6	0.18	0.07	0.15
(2,177)	1:698:C:VAL:HG11	1:695:C:LEU:HG	6	0.14	0.02	0.14
(2,177)	1:698:C:VAL:HG12	1:695:C:LEU:HG	6	0.14	0.02	0.14
(2,177)	1:698:C:VAL:HG13	1:695:C:LEU:HG	6	0.14	0.02	0.14
(2,504)	1:698:C:VAL:HG11	1:695:C:LEU:HG	6	0.14	0.02	0.14
(2,504)	1:698:C:VAL:HG12	1:695:C:LEU:HG	6	0.14	0.02	0.14
(2,504)	1:698:C:VAL:HG13	1:695:C:LEU:HG	6	0.14	0.02	0.14
(2,831)	1:698:C:VAL:HG11	1:695:C:LEU:HG	6	0.14	0.02	0.14
(2,831)	1:698:C:VAL:HG12	1:695:C:LEU:HG	6	0.14	0.02	0.14
(2,831)	1:698:C:VAL:HG13	1:695:C:LEU:HG	6	0.14	0.02	0.14
(2,223)	1:705:C:VAL:HG11	1:706:C:ASN:HA	5	0.65	0.26	0.78
(2,223)	1:705:C:VAL:HG12	1:706:C:ASN:HA	5	0.65	0.26	0.78
(2,223)	1:705:C:VAL:HG13	1:706:C:ASN:HA	5	0.65	0.26	0.78
(2,550)	1:705:C:VAL:HG11	1:706:C:ASN:HA	5	0.65	0.26	0.78
(2,550)	1:705:C:VAL:HG12	1:706:C:ASN:HA	5	0.65	0.26	0.78
(2,550)	1:705:C:VAL:HG13	1:706:C:ASN:HA	5	0.65	0.26	0.78
(2,877)	1:705:C:VAL:HG11	1:706:C:ASN:HA	5	0.65	0.26	0.78
(2,877)	1:705:C:VAL:HG12	1:706:C:ASN:HA	5	0.65	0.26	0.78
(2,877)	1:705:C:VAL:HG13	1:706:C:ASN:HA	5	0.65	0.26	0.78
(2,265)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.47	0.07	0.45
(2,592)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.47	0.07	0.45
(2,919)	1:710:C:GLN:H	1:710:C:GLN:HB3	5	0.47	0.07	0.45
(2,172)	1:696:C:ARG:H	1:696:C:ARG:HE	5	0.38	0.22	0.41
(2,499)	1:696:C:ARG:H	1:696:C:ARG:HE	5	0.38	0.22	0.41
(2,826)	1:696:C:ARG:H	1:696:C:ARG:HE	5	0.38	0.22	0.41
(2,266)	1:710:C:GLN:H	1:710:C:GLN:HB2	5	0.28	0.12	0.32
(2,593)	1:710:C:GLN:H	1:710:C:GLN:HB2	5	0.28	0.12	0.32
(2,920)	1:710:C:GLN:H	1:710:C:GLN:HB2	5	0.28	0.12	0.32
(1,17)	1:753:C:LEU:O	1:757:C:TRP:H	5	0.23	0.09	0.28
(1,43)	1:753:C:LEU:O	1:757:C:TRP:H	5	0.23	0.09	0.28
(1,69)	1:753:C:LEU:O	1:757:C:TRP:H	5	0.23	0.09	0.28
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB2	5	0.23	0.08	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB3	5	0.23	0.08	0.22
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB2	5	0.23	0.08	0.22
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB3	5	0.23	0.08	0.22
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB2	5	0.23	0.08	0.22
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB3	5	0.23	0.08	0.22
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB2	5	0.23	0.08	0.22
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB3	5	0.23	0.08	0.22
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB2	5	0.23	0.08	0.22
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB3	5	0.23	0.08	0.22
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB2	5	0.23	0.08	0.22
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB3	5	0.23	0.08	0.22
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB2	5	0.23	0.08	0.22
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB3	5	0.23	0.08	0.22
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB2	5	0.23	0.08	0.22
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB3	5	0.23	0.08	0.22
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB2	5	0.23	0.08	0.22
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB3	5	0.23	0.08	0.22
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD11	5	0.21	0.05	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD12	5	0.21	0.05	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD13	5	0.21	0.05	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD21	5	0.21	0.05	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD22	5	0.21	0.05	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD23	5	0.21	0.05	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD11	5	0.21	0.05	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD12	5	0.21	0.05	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD13	5	0.21	0.05	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD21	5	0.21	0.05	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD22	5	0.21	0.05	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD23	5	0.21	0.05	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD11	5	0.21	0.05	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD12	5	0.21	0.05	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD13	5	0.21	0.05	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD21	5	0.21	0.05	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD22	5	0.21	0.05	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD23	5	0.21	0.05	0.2
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	5	0.21	0.09	0.18
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	5	0.21	0.09	0.18
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	5	0.21	0.09	0.18
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	5	0.21	0.09	0.18
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	5	0.21	0.09	0.18
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	5	0.21	0.09	0.18
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	5	0.21	0.09	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	5	0.21	0.09	0.18
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	5	0.21	0.09	0.18
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	5	0.21	0.09	0.18
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	5	0.21	0.09	0.18
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	5	0.21	0.09	0.18
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	5	0.21	0.09	0.18
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	5	0.21	0.09	0.18
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	5	0.21	0.09	0.18
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	5	0.21	0.09	0.18
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	5	0.21	0.09	0.18
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	5	0.21	0.09	0.18
(2,300)	1:748:C:LEU:H	1:745:C:SER:HA	5	0.17	0.05	0.14
(2,627)	1:748:C:LEU:H	1:745:C:SER:HA	5	0.17	0.05	0.14
(2,954)	1:748:C:LEU:H	1:745:C:SER:HA	5	0.17	0.05	0.14
(2,202)	1:703:C:SER:H	1:700:C:ALA:HA	5	0.16	0.03	0.16
(2,529)	1:703:C:SER:H	1:700:C:ALA:HA	5	0.16	0.03	0.16
(2,856)	1:703:C:SER:H	1:700:C:ALA:HA	5	0.16	0.03	0.16
(2,146)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.16	0.07	0.12
(2,146)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.16	0.07	0.12
(2,146)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.16	0.07	0.12
(2,473)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.16	0.07	0.12
(2,473)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.16	0.07	0.12
(2,473)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.16	0.07	0.12
(2,800)	1:688:C:ILE:HG21	1:692:C:LEU:HG	5	0.16	0.07	0.12
(2,800)	1:688:C:ILE:HG22	1:692:C:LEU:HG	5	0.16	0.07	0.12
(2,800)	1:688:C:ILE:HG23	1:692:C:LEU:HG	5	0.16	0.07	0.12
(2,328)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	5	0.16	0.04	0.15
(2,328)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	5	0.16	0.04	0.15
(2,328)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	5	0.16	0.04	0.15
(2,655)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	5	0.16	0.04	0.15
(2,655)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	5	0.16	0.04	0.15
(2,655)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	5	0.16	0.04	0.15
(2,982)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	5	0.16	0.04	0.15
(2,982)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	5	0.16	0.04	0.15
(2,982)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	5	0.16	0.04	0.15
(2,244)	1:708:C:VAL:H	1:705:C:VAL:HA	5	0.14	0.01	0.15
(2,571)	1:708:C:VAL:H	1:705:C:VAL:HA	5	0.14	0.01	0.15
(2,898)	1:708:C:VAL:H	1:705:C:VAL:HA	5	0.14	0.01	0.15
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB2	5	0.14	0.02	0.14
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB3	5	0.14	0.02	0.14
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB2	5	0.14	0.02	0.14
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB3	5	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB2	5	0.14	0.02	0.14
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB3	5	0.14	0.02	0.14
(2,411)	1:783:C:GLU:H	1:780:C:ARG:HA	5	0.14	0.03	0.14
(2,738)	1:783:C:GLU:H	1:780:C:ARG:HA	5	0.14	0.03	0.14
(2,1065)	1:783:C:GLU:H	1:780:C:ARG:HA	5	0.14	0.03	0.14
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	4	0.75	0.24	0.77
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	4	0.75	0.24	0.77
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	4	0.75	0.24	0.77
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	4	0.75	0.24	0.77
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	4	0.75	0.24	0.77
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	4	0.75	0.24	0.77
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	4	0.75	0.24	0.77
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	4	0.75	0.24	0.77
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	4	0.75	0.24	0.77
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD2	4	0.42	0.28	0.4
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD3	4	0.42	0.28	0.4
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD2	4	0.42	0.28	0.4
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD3	4	0.42	0.28	0.4
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD2	4	0.42	0.28	0.4
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD3	4	0.42	0.28	0.4
(2,226)	1:705:C:VAL:HG21	1:702:C:LEU:HG	4	0.4	0.08	0.38
(2,226)	1:705:C:VAL:HG22	1:702:C:LEU:HG	4	0.4	0.08	0.38
(2,226)	1:705:C:VAL:HG23	1:702:C:LEU:HG	4	0.4	0.08	0.38
(2,553)	1:705:C:VAL:HG21	1:702:C:LEU:HG	4	0.4	0.08	0.38
(2,553)	1:705:C:VAL:HG22	1:702:C:LEU:HG	4	0.4	0.08	0.38
(2,553)	1:705:C:VAL:HG23	1:702:C:LEU:HG	4	0.4	0.08	0.38
(2,880)	1:705:C:VAL:HG21	1:702:C:LEU:HG	4	0.4	0.08	0.38
(2,880)	1:705:C:VAL:HG22	1:702:C:LEU:HG	4	0.4	0.08	0.38
(2,880)	1:705:C:VAL:HG23	1:702:C:LEU:HG	4	0.4	0.08	0.38
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	4	0.24	0.07	0.22
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	4	0.24	0.07	0.22
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	4	0.24	0.07	0.22
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	4	0.24	0.07	0.22
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	4	0.24	0.07	0.22
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	4	0.24	0.07	0.22
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	4	0.24	0.07	0.22
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	4	0.24	0.07	0.22
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	4	0.24	0.07	0.22
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	4	0.24	0.07	0.22
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	4	0.24	0.07	0.22
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	4	0.24	0.07	0.22
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	4	0.24	0.07	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	4	0.24	0.07	0.22
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	4	0.24	0.07	0.22
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	4	0.24	0.07	0.22
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	4	0.24	0.07	0.22
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	4	0.24	0.07	0.22
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	4	0.23	0.01	0.24
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	4	0.23	0.01	0.24
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	4	0.23	0.01	0.24
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	4	0.23	0.01	0.24
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	4	0.23	0.01	0.24
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	4	0.23	0.01	0.24
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	4	0.23	0.01	0.24
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	4	0.23	0.01	0.24
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	4	0.23	0.01	0.24
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	4	0.23	0.01	0.24
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	4	0.23	0.01	0.24
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	4	0.23	0.01	0.24
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	4	0.23	0.01	0.24
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	4	0.23	0.01	0.24
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	4	0.23	0.01	0.24
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	4	0.23	0.01	0.24
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	4	0.23	0.01	0.24
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	4	0.23	0.01	0.24
(2,259)	1:709:C:ARG:HE	1:709:C:ARG:H	4	0.22	0.08	0.2
(2,586)	1:709:C:ARG:HE	1:709:C:ARG:H	4	0.22	0.08	0.2
(2,913)	1:709:C:ARG:HE	1:709:C:ARG:H	4	0.22	0.08	0.2
(1,23)	1:756:C:ILE:O	1:760:C:LEU:H	4	0.22	0.11	0.18
(1,49)	1:756:C:ILE:O	1:760:C:LEU:H	4	0.22	0.11	0.18
(1,75)	1:756:C:ILE:O	1:760:C:LEU:H	4	0.22	0.11	0.18
(2,139)	1:686:C:ILE:HD11	1:683:C:ARG:HA	4	0.15	0.03	0.16
(2,139)	1:686:C:ILE:HD12	1:683:C:ARG:HA	4	0.15	0.03	0.16
(2,139)	1:686:C:ILE:HD13	1:683:C:ARG:HA	4	0.15	0.03	0.16
(2,466)	1:686:C:ILE:HD11	1:683:C:ARG:HA	4	0.15	0.03	0.16
(2,466)	1:686:C:ILE:HD12	1:683:C:ARG:HA	4	0.15	0.03	0.16
(2,466)	1:686:C:ILE:HD13	1:683:C:ARG:HA	4	0.15	0.03	0.16
(2,793)	1:686:C:ILE:HD11	1:683:C:ARG:HA	4	0.15	0.03	0.16
(2,793)	1:686:C:ILE:HD12	1:683:C:ARG:HA	4	0.15	0.03	0.16
(2,793)	1:686:C:ILE:HD13	1:683:C:ARG:HA	4	0.15	0.03	0.16
(2,140)	1:686:C:ILE:HD11	1:685:C:PHE:H	4	0.15	0.03	0.15
(2,140)	1:686:C:ILE:HD12	1:685:C:PHE:H	4	0.15	0.03	0.15
(2,140)	1:686:C:ILE:HD13	1:685:C:PHE:H	4	0.15	0.03	0.15
(2,467)	1:686:C:ILE:HD11	1:685:C:PHE:H	4	0.15	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,467)	1:686:C:ILE:HD12	1:685:C:PHE:H	4	0.15	0.03	0.15
(2,467)	1:686:C:ILE:HD13	1:685:C:PHE:H	4	0.15	0.03	0.15
(2,794)	1:686:C:ILE:HD11	1:685:C:PHE:H	4	0.15	0.03	0.15
(2,794)	1:686:C:ILE:HD12	1:685:C:PHE:H	4	0.15	0.03	0.15
(2,794)	1:686:C:ILE:HD13	1:685:C:PHE:H	4	0.15	0.03	0.15
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	4	0.14	0.04	0.13
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	4	0.14	0.04	0.13
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	4	0.14	0.04	0.13
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	4	0.14	0.04	0.13
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	4	0.14	0.04	0.13
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	4	0.14	0.04	0.13
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	4	0.14	0.04	0.13
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	4	0.14	0.04	0.13
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	4	0.14	0.04	0.13
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	4	0.14	0.04	0.13
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	4	0.14	0.04	0.13
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	4	0.14	0.04	0.13
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	4	0.14	0.04	0.13
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	4	0.14	0.04	0.13
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	4	0.14	0.04	0.13
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	4	0.14	0.04	0.13
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	4	0.14	0.04	0.13
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	4	0.14	0.04	0.13
(2,206)	1:704:C:LEU:H	1:701:C:VAL:HA	4	0.12	0.02	0.12
(2,533)	1:704:C:LEU:H	1:701:C:VAL:HA	4	0.12	0.02	0.12
(2,860)	1:704:C:LEU:H	1:701:C:VAL:HA	4	0.12	0.02	0.12
(2,123)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	3	0.35	0.07	0.31
(2,123)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	3	0.35	0.07	0.31
(2,123)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	3	0.35	0.07	0.31
(2,123)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	3	0.35	0.07	0.31
(2,123)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	3	0.35	0.07	0.31
(2,123)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	3	0.35	0.07	0.31
(2,450)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	3	0.35	0.07	0.31
(2,450)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	3	0.35	0.07	0.31
(2,450)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	3	0.35	0.07	0.31
(2,450)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	3	0.35	0.07	0.31
(2,450)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	3	0.35	0.07	0.31
(2,450)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	3	0.35	0.07	0.31
(2,777)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	3	0.35	0.07	0.31
(2,777)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	3	0.35	0.07	0.31
(2,777)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	3	0.35	0.07	0.31
(2,777)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	3	0.35	0.07	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,777)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	3	0.35	0.07	0.31
(2,777)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	3	0.35	0.07	0.31
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	3	0.28	0.04	0.28
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	3	0.28	0.04	0.28
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	3	0.28	0.04	0.28
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	3	0.28	0.04	0.28
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	3	0.28	0.04	0.28
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	3	0.28	0.04	0.28
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	3	0.28	0.04	0.28
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	3	0.28	0.04	0.28
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	3	0.28	0.04	0.28
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	3	0.28	0.04	0.28
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	3	0.28	0.04	0.28
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	3	0.28	0.04	0.28
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	3	0.28	0.04	0.28
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	3	0.28	0.04	0.28
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	3	0.28	0.04	0.28
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	3	0.28	0.04	0.28
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	3	0.28	0.04	0.28
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	3	0.28	0.04	0.28
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	3	0.28	0.04	0.28
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	3	0.28	0.04	0.28
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	3	0.28	0.04	0.28
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	3	0.28	0.04	0.28
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	3	0.28	0.04	0.28
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	3	0.28	0.04	0.28
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	3	0.28	0.04	0.28
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	3	0.28	0.04	0.28
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	3	0.28	0.04	0.28
(2,432)	1:786:C:GLY:H	1:782:C:VAL:HA	3	0.24	0.07	0.29
(2,759)	1:786:C:GLY:H	1:782:C:VAL:HA	3	0.24	0.07	0.29
(2,1086)	1:786:C:GLY:H	1:782:C:VAL:HA	3	0.24	0.07	0.29
(1,15)	1:747:C:ARG:O	1:751:C:GLY:H	3	0.22	0.08	0.21
(1,41)	1:747:C:ARG:O	1:751:C:GLY:H	3	0.22	0.08	0.21
(1,67)	1:747:C:ARG:O	1:751:C:GLY:H	3	0.22	0.08	0.21
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	3	0.22	0.09	0.16
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	3	0.22	0.09	0.16
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	3	0.22	0.09	0.16
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	3	0.22	0.09	0.16
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	3	0.22	0.09	0.16
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	3	0.22	0.09	0.16
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	3	0.22	0.09	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	3	0.22	0.09	0.16
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	3	0.22	0.09	0.16
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	3	0.22	0.09	0.16
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	3	0.22	0.09	0.16
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	3	0.22	0.09	0.16
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	3	0.22	0.09	0.16
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	3	0.22	0.09	0.16
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	3	0.22	0.09	0.16
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	3	0.22	0.09	0.16
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	3	0.22	0.09	0.16
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	3	0.22	0.09	0.16
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	3	0.22	0.09	0.16
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	3	0.22	0.09	0.16
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	3	0.22	0.09	0.16
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	3	0.22	0.09	0.16
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	3	0.22	0.09	0.16
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	3	0.22	0.09	0.16
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	3	0.22	0.09	0.16
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	3	0.22	0.09	0.16
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	3	0.22	0.09	0.16
(2,350)	1:771:C:LEU:HD11	1:764:C:SER:HA	3	0.19	0.08	0.15
(2,350)	1:771:C:LEU:HD12	1:764:C:SER:HA	3	0.19	0.08	0.15
(2,350)	1:771:C:LEU:HD13	1:764:C:SER:HA	3	0.19	0.08	0.15
(2,677)	1:771:C:LEU:HD11	1:764:C:SER:HA	3	0.19	0.08	0.15
(2,677)	1:771:C:LEU:HD12	1:764:C:SER:HA	3	0.19	0.08	0.15
(2,677)	1:771:C:LEU:HD13	1:764:C:SER:HA	3	0.19	0.08	0.15
(2,1004)	1:771:C:LEU:HD11	1:764:C:SER:HA	3	0.19	0.08	0.15
(2,1004)	1:771:C:LEU:HD12	1:764:C:SER:HA	3	0.19	0.08	0.15
(2,1004)	1:771:C:LEU:HD13	1:764:C:SER:HA	3	0.19	0.08	0.15
(2,292)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	3	0.18	0.08	0.14
(2,292)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	3	0.18	0.08	0.14
(2,292)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	3	0.18	0.08	0.14
(2,292)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	3	0.18	0.08	0.14
(2,292)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	3	0.18	0.08	0.14
(2,292)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	3	0.18	0.08	0.14
(2,619)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	3	0.18	0.08	0.14
(2,619)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	3	0.18	0.08	0.14
(2,619)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	3	0.18	0.08	0.14
(2,619)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	3	0.18	0.08	0.14
(2,619)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	3	0.18	0.08	0.14
(2,619)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	3	0.18	0.08	0.14
(2,946)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	3	0.18	0.08	0.14

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,946)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	3	0.18	0.08	0.14
(2,946)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	3	0.18	0.08	0.14
(2,946)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	3	0.18	0.08	0.14
(2,946)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	3	0.18	0.08	0.14
(2,946)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	3	0.18	0.08	0.14
(2,190)	1:701:C:VAL:H	1:698:C:VAL:HA	3	0.18	0.02	0.17
(2,224)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	3	0.18	0.04	0.16
(2,224)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	3	0.18	0.04	0.16
(2,224)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	3	0.18	0.04	0.16
(2,224)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	3	0.18	0.04	0.16
(2,224)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	3	0.18	0.04	0.16
(2,224)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	3	0.18	0.04	0.16
(2,517)	1:701:C:VAL:H	1:698:C:VAL:HA	3	0.18	0.02	0.17
(2,551)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	3	0.18	0.04	0.16
(2,551)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	3	0.18	0.04	0.16
(2,551)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	3	0.18	0.04	0.16
(2,551)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	3	0.18	0.04	0.16
(2,551)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	3	0.18	0.04	0.16
(2,551)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	3	0.18	0.04	0.16
(2,844)	1:701:C:VAL:H	1:698:C:VAL:HA	3	0.18	0.02	0.17
(2,878)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	3	0.18	0.04	0.16
(2,878)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	3	0.18	0.04	0.16
(2,878)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	3	0.18	0.04	0.16
(2,878)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	3	0.18	0.04	0.16
(2,878)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	3	0.18	0.04	0.16
(2,878)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	3	0.18	0.04	0.16
(2,148)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	3	0.17	0.02	0.18
(2,148)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	3	0.17	0.02	0.18
(2,148)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	3	0.17	0.02	0.18
(2,148)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	3	0.17	0.02	0.18
(2,148)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	3	0.17	0.02	0.18
(2,148)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	3	0.17	0.02	0.18
(2,475)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	3	0.17	0.02	0.18
(2,475)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	3	0.17	0.02	0.18
(2,475)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	3	0.17	0.02	0.18
(2,475)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	3	0.17	0.02	0.18
(2,475)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	3	0.17	0.02	0.18
(2,475)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	3	0.17	0.02	0.18
(2,802)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	3	0.17	0.02	0.18
(2,802)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	3	0.17	0.02	0.18
(2,802)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	3	0.17	0.02	0.18
(2,802)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	3	0.17	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,802)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	3	0.17	0.02	0.18
(2,802)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	3	0.17	0.02	0.18
(2,200)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.16	0.06	0.14
(2,200)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.16	0.06	0.14
(2,200)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.16	0.06	0.14
(2,200)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.16	0.06	0.14
(2,200)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.16	0.06	0.14
(2,200)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.16	0.06	0.14
(2,527)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.16	0.06	0.14
(2,527)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.16	0.06	0.14
(2,527)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.16	0.06	0.14
(2,527)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.16	0.06	0.14
(2,527)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.16	0.06	0.14
(2,527)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.16	0.06	0.14
(2,854)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	3	0.16	0.06	0.14
(2,854)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	3	0.16	0.06	0.14
(2,854)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	3	0.16	0.06	0.14
(2,854)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	3	0.16	0.06	0.14
(2,854)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	3	0.16	0.06	0.14
(2,854)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	3	0.16	0.06	0.14
(2,364)	1:775:C:LEU:H	1:772:C:ARG:HA	3	0.15	0.03	0.14
(2,691)	1:775:C:LEU:H	1:772:C:ARG:HA	3	0.15	0.03	0.14
(2,1018)	1:775:C:LEU:H	1:772:C:ARG:HA	3	0.15	0.03	0.14
(1,18)	1:753:C:LEU:O	1:757:C:TRP:N	3	0.14	0.04	0.11
(1,44)	1:753:C:LEU:O	1:757:C:TRP:N	3	0.14	0.04	0.11
(1,70)	1:753:C:LEU:O	1:757:C:TRP:N	3	0.14	0.04	0.11
(2,241)	1:707:C:ARG:H	1:707:C:ARG:HG2	3	0.14	0.01	0.14
(2,241)	1:707:C:ARG:H	1:707:C:ARG:HG3	3	0.14	0.01	0.14
(2,568)	1:707:C:ARG:H	1:707:C:ARG:HG2	3	0.14	0.01	0.14
(2,568)	1:707:C:ARG:H	1:707:C:ARG:HG3	3	0.14	0.01	0.14
(2,895)	1:707:C:ARG:H	1:707:C:ARG:HG2	3	0.14	0.01	0.14
(2,895)	1:707:C:ARG:H	1:707:C:ARG:HG3	3	0.14	0.01	0.14
(2,116)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,116)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,116)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,116)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,116)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,116)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,443)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,443)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,443)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,443)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	3	0.14	0.03	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,443)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,443)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,770)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,770)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,770)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,770)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,770)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,770)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	3	0.14	0.03	0.15
(2,261)	1:710:C:GLN:H	1:709:C:ARG:HA	3	0.12	0.01	0.12
(2,588)	1:710:C:GLN:H	1:709:C:ARG:HA	3	0.12	0.01	0.12
(2,915)	1:710:C:GLN:H	1:709:C:ARG:HA	3	0.12	0.01	0.12
(2,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	2	1.02	0.03	1.02
(2,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	2	1.02	0.03	1.02
(2,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	2	1.02	0.03	1.02
(2,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	2	1.02	0.03	1.02
(2,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	2	1.02	0.03	1.02
(2,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	2	1.02	0.03	1.02
(2,176)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.36	0.08	0.36
(2,176)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.36	0.08	0.36
(2,176)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.36	0.08	0.36
(2,503)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.36	0.08	0.36
(2,503)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.36	0.08	0.36
(2,503)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.36	0.08	0.36
(2,830)	1:698:C:VAL:HG11	1:695:C:LEU:HA	2	0.36	0.08	0.36
(2,830)	1:698:C:VAL:HG12	1:695:C:LEU:HA	2	0.36	0.08	0.36
(2,830)	1:698:C:VAL:HG13	1:695:C:LEU:HA	2	0.36	0.08	0.36
(2,157)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.31	0.04	0.31
(2,157)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.31	0.04	0.31
(2,157)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.31	0.04	0.31
(2,157)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.31	0.04	0.31
(2,157)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.31	0.04	0.31
(2,157)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.31	0.04	0.31
(2,484)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.31	0.04	0.31
(2,484)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.31	0.04	0.31
(2,484)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.31	0.04	0.31
(2,484)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.31	0.04	0.31
(2,484)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.31	0.04	0.31
(2,484)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.31	0.04	0.31
(2,811)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	2	0.31	0.04	0.31
(2,811)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	2	0.31	0.04	0.31
(2,811)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	2	0.31	0.04	0.31
(2,811)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	2	0.31	0.04	0.31

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,811)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	2	0.31	0.04	0.31
(2,811)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	2	0.31	0.04	0.31
(1,24)	1:756:C:ILE:O	1:760:C:LEU:N	2	0.26	0.08	0.26
(1,50)	1:756:C:ILE:O	1:760:C:LEU:N	2	0.26	0.08	0.26
(1,76)	1:756:C:ILE:O	1:760:C:LEU:N	2	0.26	0.08	0.26
(2,162)	1:693:C:ILE:HG21	1:696:C:ARG:HG2	2	0.24	0.08	0.24
(2,162)	1:693:C:ILE:HG21	1:696:C:ARG:HG3	2	0.24	0.08	0.24
(2,162)	1:693:C:ILE:HG22	1:696:C:ARG:HG2	2	0.24	0.08	0.24
(2,162)	1:693:C:ILE:HG22	1:696:C:ARG:HG3	2	0.24	0.08	0.24
(2,162)	1:693:C:ILE:HG23	1:696:C:ARG:HG2	2	0.24	0.08	0.24
(2,162)	1:693:C:ILE:HG23	1:696:C:ARG:HG3	2	0.24	0.08	0.24
(2,489)	1:693:C:ILE:HG21	1:696:C:ARG:HG2	2	0.24	0.08	0.24
(2,489)	1:693:C:ILE:HG21	1:696:C:ARG:HG3	2	0.24	0.08	0.24
(2,489)	1:693:C:ILE:HG22	1:696:C:ARG:HG2	2	0.24	0.08	0.24
(2,489)	1:693:C:ILE:HG22	1:696:C:ARG:HG3	2	0.24	0.08	0.24
(2,489)	1:693:C:ILE:HG23	1:696:C:ARG:HG2	2	0.24	0.08	0.24
(2,489)	1:693:C:ILE:HG23	1:696:C:ARG:HG3	2	0.24	0.08	0.24
(2,816)	1:693:C:ILE:HG21	1:696:C:ARG:HG2	2	0.24	0.08	0.24
(2,816)	1:693:C:ILE:HG21	1:696:C:ARG:HG3	2	0.24	0.08	0.24
(2,816)	1:693:C:ILE:HG22	1:696:C:ARG:HG2	2	0.24	0.08	0.24
(2,816)	1:693:C:ILE:HG22	1:696:C:ARG:HG3	2	0.24	0.08	0.24
(2,816)	1:693:C:ILE:HG23	1:696:C:ARG:HG2	2	0.24	0.08	0.24
(2,816)	1:693:C:ILE:HG23	1:696:C:ARG:HG3	2	0.24	0.08	0.24
(2,215)	1:704:C:LEU:HD11	1:707:C:ARG:HE	2	0.22	0.04	0.22
(2,215)	1:704:C:LEU:HD12	1:707:C:ARG:HE	2	0.22	0.04	0.22
(2,215)	1:704:C:LEU:HD13	1:707:C:ARG:HE	2	0.22	0.04	0.22
(2,542)	1:704:C:LEU:HD11	1:707:C:ARG:HE	2	0.22	0.04	0.22
(2,542)	1:704:C:LEU:HD12	1:707:C:ARG:HE	2	0.22	0.04	0.22
(2,542)	1:704:C:LEU:HD13	1:707:C:ARG:HE	2	0.22	0.04	0.22
(2,869)	1:704:C:LEU:HD11	1:707:C:ARG:HE	2	0.22	0.04	0.22
(2,869)	1:704:C:LEU:HD12	1:707:C:ARG:HE	2	0.22	0.04	0.22
(2,869)	1:704:C:LEU:HD13	1:707:C:ARG:HE	2	0.22	0.04	0.22
(1,19)	1:754:C:ALA:O	1:758:C:ASP:H	2	0.2	0.09	0.2
(1,45)	1:754:C:ALA:O	1:758:C:ASP:H	2	0.2	0.09	0.2
(1,71)	1:754:C:ALA:O	1:758:C:ASP:H	2	0.2	0.09	0.2
(2,173)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	2	0.2	0.02	0.2
(2,173)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	2	0.2	0.02	0.2
(2,173)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	2	0.2	0.02	0.2
(2,173)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	2	0.2	0.02	0.2
(2,173)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	2	0.2	0.02	0.2
(2,173)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	2	0.2	0.02	0.2
(2,291)	1:746:C:ILE:HD11	1:743:C:ASP:HA	2	0.2	0.08	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,291)	1:746:C:ILE:HD12	1:743:C:ASP:HA	2	0.2	0.08	0.2
(2,291)	1:746:C:ILE:HD13	1:743:C:ASP:HA	2	0.2	0.08	0.2
(2,500)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	2	0.2	0.02	0.2
(2,500)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	2	0.2	0.02	0.2
(2,500)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	2	0.2	0.02	0.2
(2,500)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	2	0.2	0.02	0.2
(2,500)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	2	0.2	0.02	0.2
(2,500)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	2	0.2	0.02	0.2
(2,618)	1:746:C:ILE:HD11	1:743:C:ASP:HA	2	0.2	0.08	0.2
(2,618)	1:746:C:ILE:HD12	1:743:C:ASP:HA	2	0.2	0.08	0.2
(2,618)	1:746:C:ILE:HD13	1:743:C:ASP:HA	2	0.2	0.08	0.2
(2,827)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	2	0.2	0.02	0.2
(2,827)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	2	0.2	0.02	0.2
(2,827)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	2	0.2	0.02	0.2
(2,827)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	2	0.2	0.02	0.2
(2,827)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	2	0.2	0.02	0.2
(2,827)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	2	0.2	0.02	0.2
(2,945)	1:746:C:ILE:HD11	1:743:C:ASP:HA	2	0.2	0.08	0.2
(2,945)	1:746:C:ILE:HD12	1:743:C:ASP:HA	2	0.2	0.08	0.2
(2,945)	1:746:C:ILE:HD13	1:743:C:ASP:HA	2	0.2	0.08	0.2
(2,115)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,115)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,115)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,115)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,115)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,115)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,442)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,442)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,442)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,442)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,442)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,442)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,769)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,769)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,769)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,769)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,769)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,769)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	2	0.19	0.02	0.19
(2,188)	1:700:C:ALA:HB1	1:697:C:ILE:HA	2	0.18	0.06	0.18
(2,188)	1:700:C:ALA:HB2	1:697:C:ILE:HA	2	0.18	0.06	0.18
(2,188)	1:700:C:ALA:HB3	1:697:C:ILE:HA	2	0.18	0.06	0.18
(2,295)	1:747:C:ARG:H	1:744:C:ARG:HA	2	0.18	0.08	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,515)	1:700:C:ALA:HB1	1:697:C:ILE:HA	2	0.18	0.06	0.18
(2,515)	1:700:C:ALA:HB2	1:697:C:ILE:HA	2	0.18	0.06	0.18
(2,515)	1:700:C:ALA:HB3	1:697:C:ILE:HA	2	0.18	0.06	0.18
(2,622)	1:747:C:ARG:H	1:744:C:ARG:HA	2	0.18	0.08	0.18
(2,842)	1:700:C:ALA:HB1	1:697:C:ILE:HA	2	0.18	0.06	0.18
(2,842)	1:700:C:ALA:HB2	1:697:C:ILE:HA	2	0.18	0.06	0.18
(2,842)	1:700:C:ALA:HB3	1:697:C:ILE:HA	2	0.18	0.06	0.18
(2,949)	1:747:C:ARG:H	1:744:C:ARG:HA	2	0.18	0.08	0.18
(2,169)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	2	0.18	0.06	0.18
(2,169)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	2	0.18	0.06	0.18
(2,169)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	2	0.18	0.06	0.18
(2,169)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	2	0.18	0.06	0.18
(2,169)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	2	0.18	0.06	0.18
(2,169)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	2	0.18	0.06	0.18
(2,195)	1:702:C:LEU:H	1:699:C:PHE:HA	2	0.18	0.06	0.18
(2,496)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	2	0.18	0.06	0.18
(2,496)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	2	0.18	0.06	0.18
(2,496)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	2	0.18	0.06	0.18
(2,496)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	2	0.18	0.06	0.18
(2,496)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	2	0.18	0.06	0.18
(2,496)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	2	0.18	0.06	0.18
(2,522)	1:702:C:LEU:H	1:699:C:PHE:HA	2	0.18	0.06	0.18
(2,823)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	2	0.18	0.06	0.18
(2,823)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	2	0.18	0.06	0.18
(2,823)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	2	0.18	0.06	0.18
(2,823)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	2	0.18	0.06	0.18
(2,823)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	2	0.18	0.06	0.18
(2,823)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	2	0.18	0.06	0.18
(2,849)	1:702:C:LEU:H	1:699:C:PHE:HA	2	0.18	0.06	0.18
(2,194)	1:701:C:VAL:HG21	1:698:C:VAL:HA	2	0.16	0.04	0.16
(2,194)	1:701:C:VAL:HG22	1:698:C:VAL:HA	2	0.16	0.04	0.16
(2,194)	1:701:C:VAL:HG23	1:698:C:VAL:HA	2	0.16	0.04	0.16
(2,425)	1:785:C:LEU:H	1:782:C:VAL:HA	2	0.16	0.02	0.16
(2,521)	1:701:C:VAL:HG21	1:698:C:VAL:HA	2	0.16	0.04	0.16
(2,521)	1:701:C:VAL:HG22	1:698:C:VAL:HA	2	0.16	0.04	0.16
(2,521)	1:701:C:VAL:HG23	1:698:C:VAL:HA	2	0.16	0.04	0.16
(2,752)	1:785:C:LEU:H	1:782:C:VAL:HA	2	0.16	0.02	0.16
(2,848)	1:701:C:VAL:HG21	1:698:C:VAL:HA	2	0.16	0.04	0.16
(2,848)	1:701:C:VAL:HG22	1:698:C:VAL:HA	2	0.16	0.04	0.16
(2,848)	1:701:C:VAL:HG23	1:698:C:VAL:HA	2	0.16	0.04	0.16
(2,1079)	1:785:C:LEU:H	1:782:C:VAL:HA	2	0.16	0.02	0.16
(2,370)	1:776:C:LEU:H	1:773:C:ASP:HA	2	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,697)	1:776:C:LEU:H	1:773:C:ASP:HA	2	0.16	0.02	0.16
(2,1024)	1:776:C:LEU:H	1:773:C:ASP:HA	2	0.16	0.02	0.16
(2,431)	1:785:C:LEU:HD21	1:782:C:VAL:HA	2	0.16	0.04	0.16
(2,431)	1:785:C:LEU:HD22	1:782:C:VAL:HA	2	0.16	0.04	0.16
(2,431)	1:785:C:LEU:HD23	1:782:C:VAL:HA	2	0.16	0.04	0.16
(2,758)	1:785:C:LEU:HD21	1:782:C:VAL:HA	2	0.16	0.04	0.16
(2,758)	1:785:C:LEU:HD22	1:782:C:VAL:HA	2	0.16	0.04	0.16
(2,758)	1:785:C:LEU:HD23	1:782:C:VAL:HA	2	0.16	0.04	0.16
(2,1085)	1:785:C:LEU:HD21	1:782:C:VAL:HA	2	0.16	0.04	0.16
(2,1085)	1:785:C:LEU:HD22	1:782:C:VAL:HA	2	0.16	0.04	0.16
(2,1085)	1:785:C:LEU:HD23	1:782:C:VAL:HA	2	0.16	0.04	0.16
(2,167)	1:695:C:LEU:HD21	1:698:C:VAL:HB	2	0.15	0.03	0.15
(2,167)	1:695:C:LEU:HD22	1:698:C:VAL:HB	2	0.15	0.03	0.15
(2,167)	1:695:C:LEU:HD23	1:698:C:VAL:HB	2	0.15	0.03	0.15
(2,344)	1:763:C:LEU:HD11	1:759:C:ASP:HA	2	0.15	0.03	0.15
(2,344)	1:763:C:LEU:HD12	1:759:C:ASP:HA	2	0.15	0.03	0.15
(2,344)	1:763:C:LEU:HD13	1:759:C:ASP:HA	2	0.15	0.03	0.15
(2,494)	1:695:C:LEU:HD21	1:698:C:VAL:HB	2	0.15	0.03	0.15
(2,494)	1:695:C:LEU:HD22	1:698:C:VAL:HB	2	0.15	0.03	0.15
(2,494)	1:695:C:LEU:HD23	1:698:C:VAL:HB	2	0.15	0.03	0.15
(2,671)	1:763:C:LEU:HD11	1:759:C:ASP:HA	2	0.15	0.03	0.15
(2,671)	1:763:C:LEU:HD12	1:759:C:ASP:HA	2	0.15	0.03	0.15
(2,671)	1:763:C:LEU:HD13	1:759:C:ASP:HA	2	0.15	0.03	0.15
(2,821)	1:695:C:LEU:HD21	1:698:C:VAL:HB	2	0.15	0.03	0.15
(2,821)	1:695:C:LEU:HD22	1:698:C:VAL:HB	2	0.15	0.03	0.15
(2,821)	1:695:C:LEU:HD23	1:698:C:VAL:HB	2	0.15	0.03	0.15
(2,998)	1:763:C:LEU:HD11	1:759:C:ASP:HA	2	0.15	0.03	0.15
(2,998)	1:763:C:LEU:HD12	1:759:C:ASP:HA	2	0.15	0.03	0.15
(2,998)	1:763:C:LEU:HD13	1:759:C:ASP:HA	2	0.15	0.03	0.15
(2,286)	1:746:C:ILE:H	1:743:C:ASP:HB2	2	0.12	0.02	0.12
(2,286)	1:746:C:ILE:H	1:743:C:ASP:HB3	2	0.12	0.02	0.12
(2,613)	1:746:C:ILE:H	1:743:C:ASP:HB2	2	0.12	0.02	0.12
(2,613)	1:746:C:ILE:H	1:743:C:ASP:HB3	2	0.12	0.02	0.12
(2,940)	1:746:C:ILE:H	1:743:C:ASP:HB2	2	0.12	0.02	0.12
(2,940)	1:746:C:ILE:H	1:743:C:ASP:HB3	2	0.12	0.02	0.12
(2,313)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	2	0.11	0.0	0.11
(2,313)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	2	0.11	0.0	0.11
(2,313)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	2	0.11	0.0	0.11
(2,313)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	2	0.11	0.0	0.11
(2,313)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	2	0.11	0.0	0.11
(2,313)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	2	0.11	0.0	0.11
(2,384)	1:778:C:VAL:H	1:777:C:ILE:HA	2	0.11	0.0	0.11

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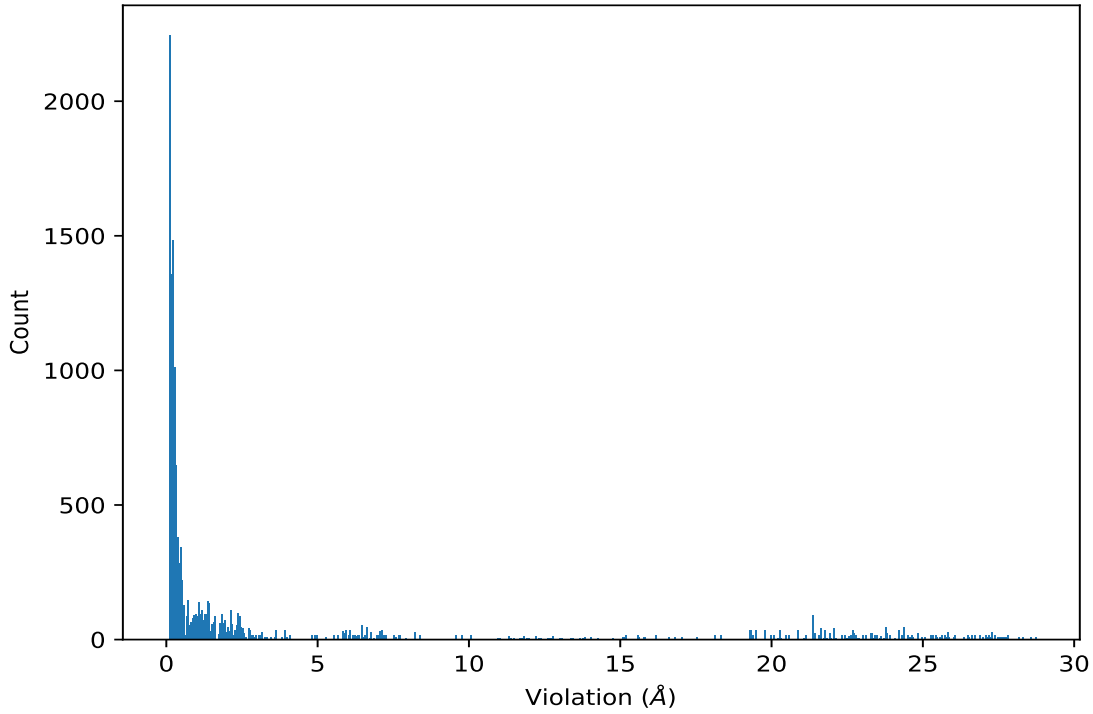
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(2,640)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	2	0.11	0.0	0.11
(2,640)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	2	0.11	0.0	0.11
(2,640)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	2	0.11	0.0	0.11
(2,640)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	2	0.11	0.0	0.11
(2,640)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	2	0.11	0.0	0.11
(2,640)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	2	0.11	0.0	0.11
(2,711)	1:778:C:VAL:H	1:777:C:ILE:HA	2	0.11	0.0	0.11
(2,967)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	2	0.11	0.0	0.11
(2,967)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	2	0.11	0.0	0.11
(2,967)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	2	0.11	0.0	0.11
(2,967)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	2	0.11	0.0	0.11
(2,967)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	2	0.11	0.0	0.11
(2,967)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	2	0.11	0.0	0.11
(2,1038)	1:778:C:VAL:H	1:777:C:ILE:HA	2	0.11	0.0	0.11

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

9.5 All violated distance restraints

9.5.1 Histogram : Distribution of distance violations

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



9.5.2 Table : All distance violations (i)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	1	28.73
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	1	28.73
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	1	28.73
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	1	28.73
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	1	28.73
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	1	28.73
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	1	28.73
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	1	28.73
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	1	28.73
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	5	28.56
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	5	28.56
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	5	28.56
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	5	28.56
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	5	28.56
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	5	28.56
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	5	28.56
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	5	28.56
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	5	28.56
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	12	28.31
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	12	28.31
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	12	28.31
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	12	28.31
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	12	28.31
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	12	28.31
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	12	28.31
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	12	28.31
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	12	28.31
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	28.16
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	28.16
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	28.16
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	28.16
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	28.16
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	28.16
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	15	28.16
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	15	28.16
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	15	28.16
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	10	27.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	10	27.81
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	10	27.81
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	10	27.81
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	10	27.81
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	10	27.81
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	10	27.81
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	10	27.81
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	10	27.81
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	11	27.8
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	11	27.8
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	11	27.8
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	11	27.8
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	11	27.8
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	11	27.8
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	11	27.8
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	11	27.8
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	11	27.8
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	8	27.76
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	8	27.76
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	8	27.76
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	8	27.76
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	8	27.76
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	8	27.76
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	8	27.76
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	8	27.76
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	8	27.76
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	2	27.71
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	2	27.71
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	2	27.71
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	2	27.71
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	2	27.71
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	2	27.71
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	2	27.71
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	2	27.71
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	2	27.71
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	1	27.68
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	1	27.68
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	1	27.68
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	1	27.68
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	1	27.68
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	1	27.68
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	1	27.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	1	27.68
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	1	27.68
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	13	27.62
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	13	27.62
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	13	27.62
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	13	27.62
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	13	27.62
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	13	27.62
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	13	27.62
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	13	27.62
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	13	27.62
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	12	27.59
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	12	27.59
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	12	27.59
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	12	27.59
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	12	27.59
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	12	27.59
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	12	27.59
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	12	27.59
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	12	27.59
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	1	27.51
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	1	27.51
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	1	27.51
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	1	27.51
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	1	27.51
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	1	27.51
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	1	27.51
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	1	27.51
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	1	27.51
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	9	27.46
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	9	27.46
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	9	27.46
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	9	27.46
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	9	27.46
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	9	27.46
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	9	27.46
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	9	27.46
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	9	27.46
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	14	27.37
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	14	27.37
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	14	27.37
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	14	27.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	14	27.37
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	14	27.37
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	14	27.37
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	14	27.37
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	14	27.37
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	4	27.36
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	4	27.36
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	4	27.36
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	4	27.36
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	4	27.36
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	4	27.36
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	4	27.36
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	4	27.36
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	4	27.36
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	7	27.29
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	7	27.29
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	7	27.29
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	7	27.29
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	7	27.29
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	7	27.29
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	7	27.29
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	7	27.29
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	7	27.29
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	1	27.28
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	1	27.28
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	1	27.28
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	1	27.28
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	1	27.28
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	1	27.28
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	1	27.28
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	1	27.28
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	1	27.28
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	12	27.25
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	12	27.25
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	12	27.25
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	12	27.25
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	12	27.25
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	12	27.25
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	12	27.25
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	12	27.25
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	12	27.25
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	6	27.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	6	27.24
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	6	27.24
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	6	27.24
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	6	27.24
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	6	27.24
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	6	27.24
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	6	27.24
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	6	27.24
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	15	27.19
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	15	27.19
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	15	27.19
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	15	27.19
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	15	27.19
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	15	27.19
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	15	27.19
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	15	27.19
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	15	27.19
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	27.16
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	27.16
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	27.16
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	27.16
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	27.16
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	27.16
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	15	27.16
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	15	27.16
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	15	27.16
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	13	27.13
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	13	27.13
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	13	27.13
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	13	27.13
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	13	27.13
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	13	27.13
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	13	27.13
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	13	27.13
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	13	27.13
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	5	27.06
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	5	27.06
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	5	27.06
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	5	27.06
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	5	27.06
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	5	27.06
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	5	27.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	5	27.06
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	5	27.06
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG21	3	27.06
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG22	3	27.06
(2,99)	1:781:C:ILE:H	1:746:C:ILE:HG23	3	27.06
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG21	3	27.06
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG22	3	27.06
(2,98)	1:781:C:ILE:H	1:746:C:ILE:HG23	3	27.06
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG21	3	27.06
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG22	3	27.06
(2,97)	1:781:C:ILE:H	1:746:C:ILE:HG23	3	27.06
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	5	26.96
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	5	26.96
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	5	26.96
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	5	26.96
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	5	26.96
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	5	26.96
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	5	26.96
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	5	26.96
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	5	26.96
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	2	26.9
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	2	26.9
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	2	26.9
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	2	26.9
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	2	26.9
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	2	26.9
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	2	26.9
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	2	26.9
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	2	26.9
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	5	26.86
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	5	26.86
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	5	26.86
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	5	26.86
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	5	26.86
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	5	26.86
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	5	26.86
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	5	26.86
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	5	26.86
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	11	26.73
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	11	26.73
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	11	26.73
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	11	26.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	11	26.73
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	11	26.73
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	11	26.73
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	11	26.73
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	11	26.73
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	12	26.71
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	12	26.71
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	12	26.71
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	12	26.71
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	12	26.71
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	12	26.71
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	12	26.71
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	12	26.71
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	12	26.71
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	11	26.63
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	11	26.63
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	11	26.63
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	11	26.63
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	11	26.63
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	11	26.63
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	11	26.63
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	11	26.63
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	11	26.63
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	9	26.62
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	9	26.62
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	9	26.62
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	9	26.62
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	9	26.62
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	9	26.62
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	9	26.62
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	9	26.62
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	9	26.62
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	9	26.5
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	9	26.5
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	9	26.5
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	9	26.5
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	9	26.5
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	9	26.5
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	9	26.5
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	9	26.5
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	9	26.5
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	2	26.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	2	26.47
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	2	26.47
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	13	26.47
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	13	26.47
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	13	26.47
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	2	26.47
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	2	26.47
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	2	26.47
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	13	26.47
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	13	26.47
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	13	26.47
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	2	26.47
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	2	26.47
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	2	26.47
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	13	26.47
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	13	26.47
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	13	26.47
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	11	26.37
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	11	26.37
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	11	26.37
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	11	26.37
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	11	26.37
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	11	26.37
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	11	26.37
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	11	26.37
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	11	26.37
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	6	26.06
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	6	26.06
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	6	26.06
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	6	26.06
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	6	26.06
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	6	26.06
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	6	26.06
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	6	26.06
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	6	26.06
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	8	26.05
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	8	26.05
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	8	26.05
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	8	26.05
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	8	26.05
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	8	26.05
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	8	26.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	8	26.05
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	8	26.05
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	13	26.03
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	13	26.03
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	13	26.03
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	13	26.03
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	13	26.03
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	13	26.03
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	13	26.03
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	13	26.03
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	13	26.03
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	25.88
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	25.88
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	25.88
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	25.88
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	25.88
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	25.88
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	15	25.88
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	15	25.88
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	15	25.88
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	3	25.84
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	3	25.84
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	3	25.84
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	3	25.84
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	3	25.84
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	3	25.84
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	3	25.84
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	3	25.84
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	3	25.84
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	14	25.83
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	14	25.83
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	14	25.83
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	14	25.83
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	14	25.83
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	14	25.83
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	14	25.83
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	14	25.83
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	14	25.83
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	6	25.81
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	6	25.81
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	6	25.81
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	6	25.81

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	6	25.81
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	6	25.81
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	6	25.81
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	6	25.81
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	6	25.81
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	9	25.79
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	9	25.79
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	9	25.79
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	9	25.79
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	9	25.79
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	9	25.79
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	9	25.79
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	9	25.79
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	9	25.79
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	6	25.72
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	6	25.72
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	6	25.72
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	6	25.72
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	6	25.72
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	6	25.72
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	6	25.72
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	6	25.72
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	6	25.72
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	2	25.72
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	2	25.72
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	2	25.72
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	2	25.72
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	2	25.72
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	2	25.72
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	2	25.72
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	2	25.72
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	2	25.72
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	4	25.62
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	4	25.62
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	4	25.62
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	7	25.62
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	7	25.62
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	7	25.62
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	4	25.62
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	4	25.62
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	4	25.62
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	7	25.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	7	25.62
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	7	25.62
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	4	25.62
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	4	25.62
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	4	25.62
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	7	25.62
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	7	25.62
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	7	25.62
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	10	25.58
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	10	25.58
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	10	25.58
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	10	25.58
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	10	25.58
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	10	25.58
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	10	25.58
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	10	25.58
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	10	25.58
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	4	25.49
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	4	25.49
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	4	25.49
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	4	25.49
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	4	25.49
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	4	25.49
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	4	25.49
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	4	25.49
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	4	25.49
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	10	25.44
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	10	25.44
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	10	25.44
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	10	25.44
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	10	25.44
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	10	25.44
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	10	25.44
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	10	25.44
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	10	25.44
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	8	25.43
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	8	25.43
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	8	25.43
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	8	25.43
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	8	25.43
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	8	25.43
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	8	25.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	8	25.43
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	8	25.43
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	10	25.33
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	10	25.33
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	10	25.33
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	10	25.33
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	10	25.33
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	10	25.33
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	10	25.33
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	10	25.33
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	10	25.33
(2,78)	1:749:C:VAL:HG11	1:782:C:VAL:H	3	25.31
(2,78)	1:749:C:VAL:HG12	1:782:C:VAL:H	3	25.31
(2,78)	1:749:C:VAL:HG13	1:782:C:VAL:H	3	25.31
(2,77)	1:749:C:VAL:HG11	1:782:C:VAL:H	3	25.31
(2,77)	1:749:C:VAL:HG12	1:782:C:VAL:H	3	25.31
(2,77)	1:749:C:VAL:HG13	1:782:C:VAL:H	3	25.31
(2,76)	1:749:C:VAL:HG11	1:782:C:VAL:H	3	25.31
(2,76)	1:749:C:VAL:HG12	1:782:C:VAL:H	3	25.31
(2,76)	1:749:C:VAL:HG13	1:782:C:VAL:H	3	25.31
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	8	25.26
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	8	25.26
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	8	25.26
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	8	25.26
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	8	25.26
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	8	25.26
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	8	25.26
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	8	25.26
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	8	25.26
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	7	25.25
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	7	25.25
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	7	25.25
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	7	25.25
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	7	25.25
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	7	25.25
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	7	25.25
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	7	25.25
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	7	25.25
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	4	25.07
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	4	25.07
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	4	25.07
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	4	25.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	4	25.07
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	4	25.07
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	4	25.07
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	4	25.07
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	4	25.07
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	7	24.98
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	7	24.98
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	7	24.98
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	7	24.98
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	7	24.98
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	7	24.98
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	7	24.98
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	7	24.98
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	7	24.98
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	6	24.84
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	6	24.84
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	6	24.84
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	6	24.84
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	6	24.84
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	6	24.84
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	6	24.84
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	6	24.84
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	6	24.84
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	6	24.84
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	6	24.84
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	6	24.84
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	6	24.84
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	6	24.84
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	6	24.84
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	6	24.84
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	6	24.84
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	6	24.84
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	6	24.8
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	6	24.8
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	6	24.8
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	6	24.8
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	6	24.8
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	6	24.8
(2,102)	1:781:C:ILE:HD11	1:743:C:ASP:HA	14	24.7
(2,102)	1:781:C:ILE:HD12	1:743:C:ASP:HA	14	24.7
(2,102)	1:781:C:ILE:HD13	1:743:C:ASP:HA	14	24.7
(2,101)	1:781:C:ILE:HD11	1:743:C:ASP:HA	14	24.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,101)	1:781:C:ILE:HD12	1:743:C:ASP:HA	14	24.7
(2,101)	1:781:C:ILE:HD13	1:743:C:ASP:HA	14	24.7
(2,100)	1:781:C:ILE:HD11	1:743:C:ASP:HA	14	24.7
(2,100)	1:781:C:ILE:HD12	1:743:C:ASP:HA	14	24.7
(2,100)	1:781:C:ILE:HD13	1:743:C:ASP:HA	14	24.7
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	11	24.61
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	11	24.61
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	11	24.61
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	11	24.61
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	11	24.61
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	11	24.61
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	11	24.61
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	11	24.61
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	11	24.61
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	11	24.61
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	11	24.61
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	11	24.61
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	11	24.61
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	11	24.61
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	11	24.61
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	11	24.61
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	11	24.61
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	11	24.61
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	14	24.55
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	14	24.55
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	14	24.55
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	14	24.55
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	14	24.55
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	14	24.55
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	14	24.55
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	14	24.55
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	14	24.55
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	8	24.53
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	8	24.53
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	8	24.53
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	8	24.53
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	8	24.53
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	8	24.53
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	8	24.53
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	8	24.53
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	8	24.53
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	8	24.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	8	24.53
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	8	24.53
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	8	24.53
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	8	24.53
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	8	24.53
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	8	24.53
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	8	24.53
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	8	24.53
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	1	24.38
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	1	24.38
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	1	24.38
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	1	24.38
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	1	24.38
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	1	24.38
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	1	24.38
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	1	24.38
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	1	24.38
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	1	24.38
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	1	24.38
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	1	24.38
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	1	24.38
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	1	24.38
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	1	24.38
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	1	24.38
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	1	24.38
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	1	24.38
(2,114)	1:785:C:LEU:HD21	1:749:C:VAL:HB	3	24.37
(2,114)	1:785:C:LEU:HD22	1:749:C:VAL:HB	3	24.37
(2,114)	1:785:C:LEU:HD23	1:749:C:VAL:HB	3	24.37
(2,113)	1:785:C:LEU:HD21	1:749:C:VAL:HB	3	24.37
(2,113)	1:785:C:LEU:HD22	1:749:C:VAL:HB	3	24.37
(2,113)	1:785:C:LEU:HD23	1:749:C:VAL:HB	3	24.37
(2,112)	1:785:C:LEU:HD21	1:749:C:VAL:HB	3	24.37
(2,112)	1:785:C:LEU:HD22	1:749:C:VAL:HB	3	24.37
(2,112)	1:785:C:LEU:HD23	1:749:C:VAL:HB	3	24.37
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	1	24.36
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	1	24.36
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	1	24.36
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	1	24.36
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	1	24.36
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	1	24.36
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	1	24.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	1	24.36
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	1	24.36
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	1	24.36
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	1	24.36
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	1	24.36
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	1	24.36
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	1	24.36
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	1	24.36
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	1	24.36
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	1	24.36
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	1	24.36
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	24.32
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	24.32
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	24.32
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	24.32
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	24.32
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	24.32
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	24.32
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	24.32
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	24.32
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	24.32
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	24.32
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	24.32
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	15	24.32
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	15	24.32
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	15	24.32
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	15	24.32
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	15	24.32
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	15	24.32
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	5	24.22
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	5	24.22
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	5	24.22
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	5	24.22
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	5	24.22
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	5	24.22
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	5	24.22
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	5	24.22
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	5	24.22
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	5	24.22
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	5	24.22
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	5	24.22
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	5	24.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	5	24.22
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	5	24.22
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	5	24.22
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	5	24.22
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	5	24.22
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	13	24.21
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	13	24.21
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	13	24.21
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	13	24.21
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	13	24.21
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	13	24.21
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	13	24.21
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	13	24.21
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	13	24.21
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	13	24.21
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	13	24.21
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	13	24.21
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	13	24.21
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	13	24.21
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	13	24.21
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	13	24.21
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	13	24.21
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	13	24.21
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	6	24.06
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	6	24.06
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	6	24.06
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	6	24.06
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	6	24.06
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	6	24.06
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	9	23.95
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	9	23.95
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	9	23.95
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	9	23.95
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	9	23.95
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	9	23.95
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	9	23.95
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	9	23.95
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	9	23.95
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	9	23.95
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	9	23.95
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	9	23.95
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	9	23.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	9	23.95
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	9	23.95
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	9	23.95
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	9	23.95
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	9	23.95
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	7	23.83
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	7	23.83
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	7	23.83
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	7	23.83
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	7	23.83
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	7	23.83
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	7	23.83
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	7	23.83
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	7	23.83
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	7	23.83
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	7	23.83
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	7	23.83
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	7	23.83
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	7	23.83
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	7	23.83
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	7	23.83
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	7	23.83
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	7	23.83
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	1	23.8
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	1	23.8
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	1	23.8
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	1	23.8
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	1	23.8
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	1	23.8
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	8	23.79
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	8	23.79
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	8	23.79
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	8	23.79
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	8	23.79
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	8	23.79
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	13	23.78
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	13	23.78
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	13	23.78
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	13	23.78
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	13	23.78
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	13	23.78
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	2	23.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	2	23.76
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	2	23.76
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	2	23.76
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	2	23.76
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	2	23.76
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	2	23.76
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	2	23.76
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	2	23.76
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	2	23.76
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	2	23.76
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	2	23.76
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	2	23.76
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	2	23.76
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	2	23.76
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	2	23.76
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	2	23.76
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	2	23.76
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	13	23.75
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	13	23.75
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	13	23.75
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	13	23.75
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	13	23.75
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	13	23.75
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	13	23.75
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	13	23.75
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	13	23.75
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	13	23.75
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	13	23.75
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	13	23.75
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	13	23.75
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	13	23.75
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	13	23.75
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	13	23.75
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	13	23.75
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	13	23.75
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	23.74
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	23.74
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	23.74
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	23.74
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	15	23.74
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	15	23.74
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	15	23.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	15	23.65
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	15	23.65
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	15	23.65
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	15	23.65
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	15	23.65
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	9	23.61
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	9	23.61
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	9	23.61
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	9	23.61
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	9	23.61
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	9	23.61
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	3	23.57
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	3	23.57
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	3	23.57
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	3	23.57
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	3	23.57
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	3	23.57
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	3	23.49
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	3	23.49
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	3	23.49
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	3	23.49
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	3	23.49
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	3	23.49
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	3	23.49
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	3	23.49
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	3	23.49
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	3	23.49
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	3	23.49
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	3	23.49
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	3	23.49
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	3	23.49
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	3	23.49
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	3	23.49
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	3	23.49
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	3	23.49
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	5	23.41
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	5	23.41
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	5	23.41
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	5	23.41
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	5	23.41
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	5	23.41
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	5	23.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	5	23.41
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	5	23.41
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	5	23.41
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	5	23.41
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	5	23.41
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	5	23.41
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	5	23.41
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	5	23.41
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	5	23.41
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	5	23.41
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	5	23.41
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	5	23.35
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	5	23.35
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	5	23.35
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	5	23.35
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	5	23.35
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	5	23.35
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	7	23.31
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	7	23.31
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	7	23.31
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	7	23.31
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	7	23.31
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	7	23.31
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	12	23.3
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	12	23.3
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	12	23.3
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	12	23.3
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	12	23.3
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	12	23.3
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	12	23.3
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	12	23.3
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	12	23.3
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	12	23.3
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	12	23.3
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	12	23.3
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	12	23.3
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	12	23.3
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	12	23.3
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	12	23.3
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	12	23.3
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	12	23.3
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	11	23.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	11	23.28
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	11	23.28
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	11	23.28
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	11	23.28
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	11	23.28
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	12	23.25
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	12	23.25
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	12	23.25
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	12	23.25
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	12	23.25
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	12	23.25
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	12	23.25
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	12	23.25
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	12	23.25
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	12	23.25
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	12	23.25
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	12	23.25
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	12	23.25
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	12	23.25
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	12	23.25
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	12	23.25
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	12	23.25
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	12	23.25
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	14	23.12
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	14	23.12
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	14	23.12
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	14	23.12
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	14	23.12
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	14	23.12
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	14	23.12
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	14	23.12
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	14	23.12
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	14	23.12
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	14	23.12
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	14	23.12
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	14	23.12
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	14	23.12
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	14	23.12
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	14	23.12
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	14	23.12
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	14	23.12
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	3	23.03

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	3	23.03
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	3	23.03
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	3	23.03
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	3	23.03
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	3	23.03
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	3	23.03
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	3	23.03
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	3	23.03
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	3	23.03
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	3	23.03
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	3	23.03
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	3	23.03
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	3	23.03
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	3	23.03
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	3	23.03
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	3	23.03
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	3	23.03
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	14	22.89
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	14	22.89
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	14	22.89
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	14	22.89
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	14	22.89
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	14	22.89
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	11	22.81
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	11	22.81
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	11	22.81
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	11	22.81
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	11	22.81
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	11	22.81
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	6	22.78
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	6	22.78
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	6	22.78
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	6	22.78
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	6	22.78
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	6	22.78
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	6	22.78
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	6	22.78
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	6	22.78
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	6	22.78
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	6	22.78
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	6	22.78
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	6	22.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	6	22.78
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	6	22.78
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	6	22.78
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	6	22.78
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	6	22.78
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	12	22.74
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	12	22.74
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	12	22.74
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	12	22.74
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	12	22.74
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	12	22.74
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	11	22.71
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	11	22.71
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	11	22.71
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	11	22.71
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	11	22.71
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	11	22.71
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	11	22.71
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	11	22.71
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	11	22.71
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	11	22.71
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	11	22.71
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	11	22.71
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	11	22.71
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	11	22.71
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	11	22.71
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	11	22.71
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	11	22.71
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	11	22.71
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	10	22.7
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	10	22.7
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	10	22.7
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	10	22.7
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	10	22.7
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	10	22.7
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	10	22.7
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	10	22.7
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	10	22.7
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	10	22.7
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	10	22.7
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	10	22.7
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	10	22.7

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	10	22.7
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	10	22.7
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	10	22.7
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	10	22.7
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	10	22.7
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	9	22.68
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	9	22.68
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	9	22.68
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	9	22.68
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	9	22.68
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	9	22.68
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	9	22.68
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	9	22.68
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	9	22.68
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	9	22.68
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	9	22.68
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	9	22.68
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	9	22.68
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	9	22.68
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	9	22.68
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	9	22.68
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	9	22.68
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	9	22.68
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	4	22.6
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	4	22.6
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	4	22.6
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	4	22.6
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	4	22.6
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	4	22.6
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	4	22.6
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	4	22.6
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	4	22.6
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	4	22.6
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	4	22.6
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	4	22.6
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	4	22.6
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	4	22.6
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	4	22.6
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	4	22.6
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	4	22.6
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	4	22.6
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	12	22.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	12	22.56
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	12	22.56
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	12	22.56
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	12	22.56
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	12	22.56
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	8	22.55
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	8	22.55
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	8	22.55
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	8	22.55
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	8	22.55
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	8	22.55
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	5	22.52
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	5	22.52
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	5	22.52
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	5	22.52
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	5	22.52
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	5	22.52
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	1	22.48
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	1	22.48
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	1	22.48
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	1	22.48
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	1	22.48
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	1	22.48
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	2	22.42
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	2	22.42
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	2	22.42
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	2	22.42
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	2	22.42
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	2	22.42
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	2	22.42
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	2	22.42
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	2	22.42
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	2	22.42
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	2	22.42
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	2	22.42
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	2	22.42
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	2	22.42
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	2	22.42
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	2	22.42
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	2	22.42
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	2	22.42
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	10	22.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,96)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	10	22.3
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	10	22.3
(2,96)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	10	22.3
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	10	22.3
(2,96)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	10	22.3
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	10	22.3
(2,95)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	10	22.3
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	10	22.3
(2,95)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	10	22.3
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	10	22.3
(2,95)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	10	22.3
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD2	10	22.3
(2,94)	1:777:C:ILE:HD11	1:742:C:ARG:HD3	10	22.3
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD2	10	22.3
(2,94)	1:777:C:ILE:HD12	1:742:C:ARG:HD3	10	22.3
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD2	10	22.3
(2,94)	1:777:C:ILE:HD13	1:742:C:ARG:HD3	10	22.3
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	10	22.1
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	10	22.1
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	10	22.1
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	10	22.1
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	10	22.1
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	10	22.1
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	1	22.07
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	1	22.07
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	1	22.07
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	1	22.07
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	1	22.07
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	1	22.07
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	1	22.07
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	1	22.07
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	1	22.07
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	1	22.07
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	1	22.07
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	1	22.07
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	1	22.07
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	1	22.07
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	1	22.07
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	1	22.07
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	1	22.07
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	1	22.07
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	22.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	22.06
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	22.06
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	22.06
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	22.06
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	22.06
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	22.06
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	22.06
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	22.06
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	22.06
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	22.06
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	22.06
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	15	22.06
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	15	22.06
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	15	22.06
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	15	22.06
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	15	22.06
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	15	22.06
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	2	22.06
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	2	22.06
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	2	22.06
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	2	22.06
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	2	22.06
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	2	22.06
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	2	21.99
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	2	21.99
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	2	21.99
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	2	21.99
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	2	21.99
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	2	21.99
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	9	21.92
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	9	21.92
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	9	21.92
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	9	21.92
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	9	21.92
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	9	21.92
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	8	21.91
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	8	21.91
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	8	21.91
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	8	21.91
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	8	21.91
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	8	21.91
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	8	21.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	8	21.91
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	8	21.91
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	8	21.91
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	8	21.91
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	8	21.91
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	8	21.91
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	8	21.91
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	8	21.91
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	8	21.91
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	8	21.91
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	8	21.91
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	13	21.84
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	13	21.84
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	13	21.84
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	13	21.84
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	13	21.84
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	13	21.84
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	8	21.76
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	8	21.76
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	8	21.76
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	8	21.76
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	8	21.76
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	8	21.76
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	8	21.76
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	8	21.76
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	8	21.76
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	8	21.76
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	8	21.76
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	8	21.76
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	8	21.76
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	8	21.76
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	8	21.76
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	8	21.76
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	8	21.76
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	8	21.76
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	4	21.76
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	4	21.76
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	4	21.76
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	4	21.76
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	4	21.76
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	4	21.76
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	4	21.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	4	21.76
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	4	21.76
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	4	21.76
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	4	21.76
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	4	21.76
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	4	21.76
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	4	21.76
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	4	21.76
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	4	21.76
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	4	21.76
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	4	21.76
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	4	21.71
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	4	21.71
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	4	21.71
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	4	21.71
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	4	21.71
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	4	21.71
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	12	21.64
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	12	21.64
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	12	21.64
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	12	21.64
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	12	21.64
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	12	21.64
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	12	21.64
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	12	21.64
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	12	21.64
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	12	21.64
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	12	21.64
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	12	21.64
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	12	21.64
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	12	21.64
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	12	21.64
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	12	21.64
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	12	21.64
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	12	21.64
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	21.61
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	21.61
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	21.61
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	21.61
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	21.61
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	21.61
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	21.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	21.61
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	21.61
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	21.61
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	21.61
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	21.61
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	15	21.61
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	15	21.61
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	15	21.61
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	15	21.61
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	15	21.61
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	15	21.61
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	14	21.61
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	14	21.61
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	14	21.61
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	14	21.61
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	14	21.61
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	14	21.61
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	13	21.56
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	13	21.56
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	13	21.56
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	13	21.56
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	13	21.56
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	13	21.56
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	13	21.56
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	13	21.56
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	13	21.56
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	13	21.56
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	13	21.56
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	13	21.56
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	13	21.56
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	13	21.56
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	13	21.56
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	13	21.56
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	13	21.56
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	13	21.56
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	7	21.43
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	7	21.43
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	7	21.43
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	7	21.43
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	7	21.43
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	7	21.43
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	7	21.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	7	21.43
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	7	21.43
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	7	21.43
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	7	21.43
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	7	21.43
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	7	21.43
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	7	21.43
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	7	21.43
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	7	21.43
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	7	21.43
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	7	21.43
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD2	4	21.42
(2,93)	1:763:C:LEU:H	1:742:C:ARG:HD3	4	21.42
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD2	4	21.42
(2,92)	1:763:C:LEU:H	1:742:C:ARG:HD3	4	21.42
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD2	4	21.42
(2,91)	1:763:C:LEU:H	1:742:C:ARG:HD3	4	21.42
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	12	21.4
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	12	21.4
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	12	21.4
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	12	21.4
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	12	21.4
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	12	21.4
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	12	21.4
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	12	21.4
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	12	21.4
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	12	21.4
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	12	21.4
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	12	21.4
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	12	21.4
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	12	21.4
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	12	21.4
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	12	21.4
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	12	21.4
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	12	21.4
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	2	21.4
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	2	21.4
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	2	21.4
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	2	21.4
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	2	21.4
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	2	21.4
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	2	21.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	2	21.4
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	2	21.4
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	2	21.4
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	2	21.4
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	2	21.4
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	2	21.4
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	2	21.4
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	2	21.4
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	2	21.4
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	2	21.4
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	2	21.4
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	5	21.38
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	5	21.38
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	5	21.38
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	5	21.38
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	5	21.38
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	5	21.38
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	5	21.38
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	5	21.38
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	5	21.38
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	5	21.38
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	5	21.38
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	5	21.38
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	5	21.38
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	5	21.38
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	5	21.38
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	5	21.38
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	5	21.38
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	5	21.38
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	6	21.37
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	6	21.37
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	6	21.37
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	6	21.37
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	6	21.37
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	6	21.37
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	6	21.37
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	6	21.37
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	6	21.37
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	6	21.37
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	6	21.37
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	6	21.37
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	6	21.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	6	21.37
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	6	21.37
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	6	21.37
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	6	21.37
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	6	21.37
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	14	21.35
(2,105)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	14	21.35
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	14	21.35
(2,105)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	14	21.35
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	14	21.35
(2,105)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	14	21.35
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	14	21.35
(2,104)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	14	21.35
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	14	21.35
(2,104)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	14	21.35
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	14	21.35
(2,104)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	14	21.35
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG12	14	21.35
(2,103)	1:781:C:ILE:HD11	1:746:C:ILE:HG13	14	21.35
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG12	14	21.35
(2,103)	1:781:C:ILE:HD12	1:746:C:ILE:HG13	14	21.35
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG12	14	21.35
(2,103)	1:781:C:ILE:HD13	1:746:C:ILE:HG13	14	21.35
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	2	21.12
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	2	21.12
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	2	21.12
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	2	21.12
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	2	21.12
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	2	21.12
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	2	21.12
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	2	21.12
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	2	21.12
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	2	21.12
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	2	21.12
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	2	21.12
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	2	21.12
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	2	21.12
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	2	21.12
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	2	21.12
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	2	21.12
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	2	21.12
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	10	21.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	10	21.05
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	10	21.05
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	10	21.05
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	10	21.05
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	10	21.05
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	1	20.89
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	1	20.89
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	1	20.89
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	1	20.89
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	1	20.89
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	1	20.89
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	9	20.89
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	9	20.89
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	9	20.89
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	9	20.89
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	9	20.89
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	9	20.89
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	1	20.89
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	1	20.89
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	1	20.89
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	1	20.89
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	1	20.89
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	1	20.89
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	9	20.89
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	9	20.89
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	9	20.89
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	9	20.89
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	9	20.89
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	9	20.89
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	1	20.89
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	1	20.89
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	1	20.89
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	1	20.89
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	1	20.89
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	1	20.89
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	9	20.89
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	9	20.89
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	9	20.89
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	9	20.89
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	9	20.89
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	9	20.89
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	11	20.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	11	20.56
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	11	20.56
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	11	20.56
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	11	20.56
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	11	20.56
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	11	20.56
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	11	20.56
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	11	20.56
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	11	20.56
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	11	20.56
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	11	20.56
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	11	20.56
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	11	20.56
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	11	20.56
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	11	20.56
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	11	20.56
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	11	20.56
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	13	20.48
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	13	20.48
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	13	20.48
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	13	20.48
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	13	20.48
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	13	20.48
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	13	20.48
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	13	20.48
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	13	20.48
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	13	20.48
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	13	20.48
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	13	20.48
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	13	20.48
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	13	20.48
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	13	20.48
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	13	20.48
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	13	20.48
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	13	20.48
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	3	20.34
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	3	20.34
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	3	20.34
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	3	20.34
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	3	20.34
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	3	20.34
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	4	20.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	4	20.26
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	4	20.26
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	4	20.26
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	4	20.26
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	4	20.26
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	7	20.26
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	7	20.26
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	7	20.26
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	7	20.26
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	7	20.26
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	7	20.26
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	4	20.26
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	4	20.26
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	4	20.26
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	4	20.26
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	4	20.26
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	4	20.26
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	7	20.26
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	7	20.26
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	7	20.26
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	7	20.26
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	7	20.26
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	7	20.26
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	4	20.26
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	4	20.26
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	4	20.26
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	4	20.26
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	4	20.26
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	4	20.26
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	7	20.26
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	7	20.26
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	7	20.26
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	7	20.26
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	7	20.26
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	7	20.26
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB2	7	20.21
(2,81)	1:754:C:ALA:H	1:716:C:SER:HB3	7	20.21
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB2	7	20.21
(2,80)	1:754:C:ALA:H	1:716:C:SER:HB3	7	20.21
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB2	7	20.21
(2,79)	1:754:C:ALA:H	1:716:C:SER:HB3	7	20.21
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	5	20.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	5	20.06
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	5	20.06
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	5	20.06
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	5	20.06
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	5	20.06
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	5	20.06
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	5	20.06
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	5	20.06
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	5	20.06
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	5	20.06
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	5	20.06
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	5	20.06
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	5	20.06
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	5	20.06
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	5	20.06
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	5	20.06
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	5	20.06
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	9	19.99
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	9	19.99
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	9	19.99
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	9	19.99
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	9	19.99
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	9	19.99
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	9	19.99
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	9	19.99
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	9	19.99
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	9	19.99
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	9	19.99
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	9	19.99
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	9	19.99
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	9	19.99
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	9	19.99
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	9	19.99
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	9	19.99
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	9	19.99
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	7	19.77
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	7	19.77
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	7	19.77
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	7	19.77
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	7	19.77
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	7	19.77
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	7	19.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	7	19.77
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	7	19.77
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	7	19.77
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	7	19.77
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	7	19.77
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	7	19.77
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	7	19.77
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	7	19.77
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	7	19.77
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	7	19.77
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	7	19.77
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	8	19.75
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	8	19.75
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	8	19.75
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	8	19.75
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	8	19.75
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	8	19.75
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	8	19.75
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	8	19.75
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	8	19.75
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	8	19.75
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	8	19.75
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	8	19.75
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	8	19.75
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	8	19.75
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	8	19.75
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	8	19.75
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	8	19.75
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	8	19.75
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	6	19.49
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	6	19.49
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	6	19.49
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	6	19.49
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	6	19.49
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	6	19.49
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	6	19.49
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	6	19.49
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	6	19.49
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	6	19.49
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	6	19.49
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	6	19.49
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	6	19.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	6	19.49
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	6	19.49
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	6	19.49
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	6	19.49
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	6	19.49
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	10	19.49
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	10	19.49
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	10	19.49
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	10	19.49
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	10	19.49
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	10	19.49
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	10	19.49
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	10	19.49
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	10	19.49
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	10	19.49
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	10	19.49
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	10	19.49
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	10	19.49
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	10	19.49
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	10	19.49
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	10	19.49
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	10	19.49
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	10	19.49
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	19.38
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	19.38
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	19.38
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	19.38
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	19.38
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	19.38
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	19.38
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	19.38
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	19.38
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	19.38
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	19.38
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	19.38
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	15	19.38
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	15	19.38
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	15	19.38
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	15	19.38
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	15	19.38
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	15	19.38
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	11	19.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	11	19.33
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	11	19.33
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	11	19.33
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	11	19.33
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	11	19.33
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	11	19.33
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	11	19.33
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	11	19.33
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	11	19.33
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	11	19.33
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	11	19.33
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	11	19.33
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	11	19.33
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	11	19.33
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	11	19.33
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	11	19.33
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	11	19.33
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	4	19.32
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	4	19.32
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	4	19.32
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	4	19.32
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	4	19.32
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	4	19.32
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	4	19.32
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	4	19.32
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	4	19.32
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	4	19.32
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	4	19.32
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	4	19.32
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	4	19.32
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	4	19.32
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	4	19.32
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	4	19.32
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	4	19.32
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	4	19.32
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	10	19.27
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	10	19.27
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	10	19.27
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	10	19.27
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	10	19.27
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	10	19.27
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	10	19.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	10	19.27
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	10	19.27
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	10	19.27
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	10	19.27
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	10	19.27
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	10	19.27
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	10	19.27
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	10	19.27
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	10	19.27
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	10	19.27
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	10	19.27
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	14	19.27
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	14	19.27
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	14	19.27
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	14	19.27
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	14	19.27
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	14	19.27
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	14	19.27
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	14	19.27
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	14	19.27
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	14	19.27
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	14	19.27
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	14	19.27
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	14	19.27
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	14	19.27
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	14	19.27
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	14	19.27
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	14	19.27
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	14	19.27
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB2	3	18.34
(2,108)	1:785:C:LEU:HD21	1:716:C:SER:HB3	3	18.34
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB2	3	18.34
(2,108)	1:785:C:LEU:HD22	1:716:C:SER:HB3	3	18.34
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB2	3	18.34
(2,108)	1:785:C:LEU:HD23	1:716:C:SER:HB3	3	18.34
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB2	3	18.34
(2,107)	1:785:C:LEU:HD21	1:716:C:SER:HB3	3	18.34
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB2	3	18.34
(2,107)	1:785:C:LEU:HD22	1:716:C:SER:HB3	3	18.34
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB2	3	18.34
(2,107)	1:785:C:LEU:HD23	1:716:C:SER:HB3	3	18.34
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB2	3	18.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,106)	1:785:C:LEU:HD21	1:716:C:SER:HB3	3	18.34
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB2	3	18.34
(2,106)	1:785:C:LEU:HD22	1:716:C:SER:HB3	3	18.34
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB2	3	18.34
(2,106)	1:785:C:LEU:HD23	1:716:C:SER:HB3	3	18.34
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	14	18.12
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	14	18.12
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	14	18.12
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	14	18.12
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	14	18.12
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	14	18.12
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	14	18.12
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	14	18.12
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	14	18.12
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	14	18.12
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	14	18.12
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	14	18.12
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	14	18.12
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	14	18.12
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	14	18.12
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	14	18.12
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	14	18.12
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	14	18.12
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	11	17.5
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	11	17.5
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	11	17.5
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	11	17.5
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	11	17.5
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	11	17.5
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	11	17.5
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	11	17.5
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	11	17.5
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	17.04
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	17.04
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	17.04
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	17.04
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	17.04
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	17.04
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	15	17.04
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	15	17.04
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	15	17.04
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	6	16.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	6	16.84
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	6	16.84
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	6	16.84
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	6	16.84
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	6	16.84
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	6	16.84
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	6	16.84
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	6	16.84
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	5	16.6
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	5	16.6
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	5	16.6
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	5	16.6
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	5	16.6
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	5	16.6
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	5	16.6
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	5	16.6
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	5	16.6
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	3	16.16
(2,111)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	3	16.16
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	3	16.16
(2,111)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	3	16.16
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	3	16.16
(2,111)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	3	16.16
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	3	16.16
(2,110)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	3	16.16
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	3	16.16
(2,110)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	3	16.16
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	3	16.16
(2,110)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	3	16.16
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD2	3	16.16
(2,109)	1:785:C:LEU:HD21	1:747:C:ARG:HD3	3	16.16
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD2	3	16.16
(2,109)	1:785:C:LEU:HD22	1:747:C:ARG:HD3	3	16.16
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD2	3	16.16
(2,109)	1:785:C:LEU:HD23	1:747:C:ARG:HD3	3	16.16
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	2	15.8
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	2	15.8
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	2	15.8
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	2	15.8
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	2	15.8
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	2	15.8
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	2	15.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	2	15.8
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	2	15.8
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	13	15.75
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	13	15.75
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	13	15.75
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	13	15.75
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	13	15.75
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	13	15.75
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	13	15.75
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	13	15.75
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	13	15.75
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	12	15.63
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	12	15.63
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	12	15.63
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	12	15.63
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	12	15.63
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	12	15.63
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	12	15.63
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	12	15.63
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	12	15.63
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	7	15.58
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	7	15.58
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	7	15.58
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	7	15.58
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	7	15.58
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	7	15.58
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	7	15.58
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	7	15.58
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	7	15.58
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	1	15.56
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	1	15.56
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	1	15.56
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	1	15.56
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	1	15.56
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	1	15.56
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	1	15.56
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	1	15.56
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	1	15.56
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	9	15.17
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	9	15.17
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	9	15.17
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	9	15.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	9	15.17
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	9	15.17
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	9	15.17
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	9	15.17
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	9	15.17
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	10	15.15
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	10	15.15
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	10	15.15
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	10	15.15
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	10	15.15
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	10	15.15
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	10	15.15
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	10	15.15
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	10	15.15
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	4	15.11
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	4	15.11
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	4	15.11
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	4	15.11
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	4	15.11
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	4	15.11
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	4	15.11
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	4	15.11
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	4	15.11
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	8	15.1
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	8	15.1
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	8	15.1
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	8	15.1
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	8	15.1
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	8	15.1
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	8	15.1
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	8	15.1
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	8	15.1
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	6	14.75
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	6	14.75
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	6	14.75
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	6	14.75
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	6	14.75
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	6	14.75
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	10	14.27
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	10	14.27
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	10	14.27
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	10	14.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	10	14.27
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	10	14.27
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	14	14.03
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	14	14.03
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	14	14.03
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	14	14.03
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	14	14.03
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	14	14.03
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	14	14.03
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	14	14.03
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	14	14.03
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD21	3	13.8
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD22	3	13.8
(2,87)	1:758:C:ASP:H	1:715:C:LEU:HD23	3	13.8
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD21	3	13.8
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD22	3	13.8
(2,86)	1:758:C:ASP:H	1:715:C:LEU:HD23	3	13.8
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD21	3	13.8
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD22	3	13.8
(2,85)	1:758:C:ASP:H	1:715:C:LEU:HD23	3	13.8
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	1	13.79
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	1	13.79
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	1	13.79
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	1	13.79
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	1	13.79
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	1	13.79
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	8	13.67
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	8	13.67
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	8	13.67
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	8	13.67
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	8	13.67
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	8	13.67
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	6	13.41
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	6	13.41
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	6	13.41
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	6	13.41
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	6	13.41
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	6	13.41
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.37
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.37
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.37
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	15	13.37
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	15	13.37
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	13.1
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	13.1
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	13.1
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	13.1
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	15	13.1
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	15	13.1
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	13	13.02
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	13	13.02
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	13	13.02
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	13	13.02
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	13	13.02
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	13	13.02
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	11	12.78
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	11	12.78
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	11	12.78
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	11	12.78
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	11	12.78
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	11	12.78
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	9	12.75
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	9	12.75
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	9	12.75
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	9	12.75
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	9	12.75
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	9	12.75
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	14	12.73
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	14	12.73
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	14	12.73
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	14	12.73
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	14	12.73
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	14	12.73
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	2	12.69
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	2	12.69
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	2	12.69
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	2	12.69
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	2	12.69
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	2	12.69
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	1	12.64
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	1	12.64
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	1	12.64
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	1	12.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	1	12.64
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	1	12.64
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	8	12.38
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	8	12.38
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	8	12.38
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	8	12.38
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	8	12.38
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	8	12.38
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	5	12.33
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	5	12.33
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	5	12.33
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	5	12.33
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	5	12.33
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	5	12.33
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	4	12.24
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	4	12.24
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	4	12.24
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	4	12.24
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	4	12.24
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	4	12.24
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	3	12.23
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	3	12.23
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	3	12.23
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	3	12.23
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	3	12.23
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	3	12.23
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	13	11.97
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	13	11.97
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	13	11.97
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	13	11.97
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	13	11.97
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	13	11.97
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	5	11.91
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	5	11.91
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	5	11.91
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	5	11.91
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	5	11.91
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	5	11.91
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	12	11.84
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	12	11.84
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	12	11.84
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	12	11.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	12	11.84
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	12	11.84
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	11	11.83
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	11	11.83
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	11	11.83
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	11	11.83
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	11	11.83
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	11	11.83
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	2	11.78
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	2	11.78
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	2	11.78
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	2	11.78
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	2	11.78
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	2	11.78
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	7	11.71
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	7	11.71
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	7	11.71
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	7	11.71
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	7	11.71
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	7	11.71
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD2	12	11.7
(2,90)	1:759:C:ASP:H	1:709:C:ARG:HD3	12	11.7
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD2	12	11.7
(2,89)	1:759:C:ASP:H	1:709:C:ARG:HD3	12	11.7
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD2	12	11.7
(2,88)	1:759:C:ASP:H	1:709:C:ARG:HD3	12	11.7
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	9	11.47
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	9	11.47
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	9	11.47
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	9	11.47
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	9	11.47
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	9	11.47
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	3	11.36
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	3	11.36
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	3	11.36
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	3	11.36
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	3	11.36
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	3	11.36
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	7	11.35
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	7	11.35
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	7	11.35
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	7	11.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	7	11.35
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	7	11.35
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	14	11.33
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	14	11.33
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	14	11.33
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	14	11.33
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	14	11.33
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	14	11.33
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	10	11.01
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	10	11.01
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	10	11.01
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	10	11.01
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	10	11.01
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	10	11.01
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB2	4	10.99
(2,72)	1:711:C:GLY:H	1:758:C:ASP:HB3	4	10.99
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB2	4	10.99
(2,71)	1:711:C:GLY:H	1:758:C:ASP:HB3	4	10.99
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB2	4	10.99
(2,70)	1:711:C:GLY:H	1:758:C:ASP:HB3	4	10.99
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	14	10.08
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	14	10.08
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	14	10.08
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	14	10.08
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	14	10.08
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	14	10.08
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	14	10.08
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	14	10.08
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	14	10.08
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	14	10.08
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	14	10.08
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	14	10.08
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	14	10.08
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	14	10.08
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	14	10.08
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	14	10.08
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	14	10.08
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	14	10.08
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	10	9.78
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	10	9.78
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	10	9.78
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	10	9.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	10	9.78
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	10	9.78
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	10	9.78
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	10	9.78
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	10	9.78
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	10	9.78
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	10	9.78
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	10	9.78
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	10	9.78
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	10	9.78
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	10	9.78
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	10	9.78
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	10	9.78
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	10	9.78
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	13	9.55
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	13	9.55
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	13	9.55
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	13	9.55
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	13	9.55
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	9.55
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	13	9.55
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	13	9.55
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	13	9.55
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	13	9.55
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	13	9.55
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	9.55
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	13	9.55
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	13	9.55
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	13	9.55
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	13	9.55
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	13	9.55
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	13	9.55
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	5	8.39
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	5	8.39
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	5	8.39
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	5	8.39
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	5	8.39
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	5	8.39
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	5	8.39
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	5	8.39
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	5	8.39
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	5	8.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	5	8.39
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	5	8.39
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	5	8.39
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	5	8.39
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	5	8.39
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	5	8.39
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	5	8.39
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	5	8.39
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	8	8.22
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	8	8.22
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	8	8.22
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	8	8.22
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	8	8.22
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	8	8.22
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	8	8.22
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	8	8.22
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	8	8.22
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	8	8.22
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	8	8.22
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	8	8.22
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	8	8.22
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	8	8.22
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	8	8.22
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	8	8.22
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	8	8.22
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	8	8.22
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.21
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.21
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.21
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.21
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.21
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.21
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	6	8.21
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	6	8.21
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	6	8.21
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	6	7.91
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	6	7.91
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	6	7.91
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	6	7.91
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	6	7.91
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	6	7.91
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	7.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	7.73
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	7.73
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	7.73
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	7.73
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	7.73
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	14	7.73
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	14	7.73
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	14	7.73
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	5	7.71
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	5	7.71
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	5	7.71
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	5	7.71
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	5	7.71
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	5	7.71
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	7.68
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	7.68
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	7.68
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	7.68
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	7.68
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	7.68
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	1	7.68
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	1	7.68
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	1	7.68
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	7.67
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	7.67
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	7.67
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	7.67
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	7.67
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	7.67
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	5	7.67
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	5	7.67
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	5	7.67
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	8	7.57
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	8	7.57
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	8	7.57
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	8	7.57
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	8	7.57
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	8	7.57
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	8	7.57
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	8	7.57
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	8	7.57
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	7.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	7.54
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	7.54
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	7.54
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	7.54
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	7.54
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	7	7.54
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	7	7.54
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	7	7.54
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	7.51
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	7.51
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	7.51
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	7.51
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	7.51
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	7.51
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	12	7.51
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	12	7.51
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	12	7.51
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	12	7.27
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	12	7.27
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	12	7.27
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	12	7.27
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	12	7.27
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	12	7.27
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	7.26
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	7.26
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	7.26
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	7.26
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	7.26
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	7.26
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	9	7.26
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	9	7.26
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	9	7.26
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	9	7.22
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	9	7.22
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	9	7.22
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	9	7.22
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	9	7.22
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	9	7.22
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	9	7.22
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	9	7.22
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	9	7.22
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	9	7.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	9	7.22
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	9	7.22
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	9	7.22
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	9	7.22
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	9	7.22
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	9	7.22
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	9	7.22
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	9	7.22
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	1	7.19
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	1	7.19
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	1	7.19
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	1	7.19
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	1	7.19
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	1	7.19
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	7.19
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	7.19
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	7.19
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	7.19
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	7.19
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	7.19
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	4	7.19
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	4	7.19
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	4	7.19
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	4	7.14
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	4	7.14
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	4	7.14
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	4	7.14
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	4	7.14
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	4	7.14
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	4	7.14
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	4	7.14
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	4	7.14
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	4	7.14
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	4	7.14
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	4	7.14
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	4	7.14
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	4	7.14
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	4	7.14
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	4	7.14
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	4	7.14
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	4	7.14
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	9	7.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	9	7.13
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	9	7.13
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	9	7.13
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	9	7.13
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	9	7.13
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	3	7.11
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	3	7.11
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	8	7.11
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	8	7.11
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	3	7.11
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	3	7.11
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	8	7.11
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	8	7.11
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	3	7.11
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	3	7.11
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	8	7.11
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	8	7.11
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	7	7.1
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	7	7.1
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	7	7.1
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	7	7.1
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	7	7.1
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	7	7.1
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	7	7.1
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	7	7.1
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	7	7.1
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	7	7.1
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	7	7.1
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	7	7.1
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	7	7.1
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	7	7.1
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	7	7.1
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	7	7.1
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	7	7.1
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	7	7.1
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	7	7.09
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	7	7.09
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	7	7.09
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	7	7.09
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	7	7.09
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	7	7.09
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	7.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	7.09
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	7.09
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	7.09
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	7.09
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	7.09
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	3	7.09
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	3	7.09
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	3	7.09
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	7.05
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	7.05
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	7.05
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	7.05
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	7.05
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	7.05
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	7.05
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	7.05
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	7.05
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	7.05
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	7.05
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	7.05
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	15	7.05
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	15	7.05
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	15	7.05
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	15	7.05
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	15	7.05
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	15	7.05
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	11	6.95
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	11	6.95
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	11	6.95
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	11	6.95
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	11	6.95
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	11	6.95
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	11	6.95
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	11	6.95
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	11	6.95
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	11	6.95
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	11	6.95
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	11	6.95
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	11	6.95
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	11	6.95
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	11	6.95
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	11	6.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	11	6.95
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	11	6.95
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	14	6.88
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	14	6.88
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	14	6.88
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	14	6.88
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	14	6.88
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	14	6.88
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	13	6.8
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	13	6.8
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	13	6.8
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	13	6.8
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	13	6.8
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	13	6.8
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	13	6.8
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	13	6.8
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	13	6.8
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	6.75
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	6.75
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	6.75
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	6.75
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	6.75
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	6.75
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	6.75
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	6.75
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	6.75
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	6.75
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	6.75
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	6.75
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	10	6.75
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	10	6.75
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	10	6.75
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	10	6.75
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	10	6.75
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	10	6.75
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	6.73
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	6.73
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	6.73
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	6.73
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	15	6.73
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	15	6.73
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	6	6.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	6	6.64
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	6	6.64
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	6	6.64
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	6	6.64
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	6	6.64
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	6	6.64
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	6	6.64
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	6	6.64
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	6	6.64
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	6	6.64
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	6	6.64
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	6	6.64
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	6	6.64
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	6	6.64
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	6	6.64
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	6	6.64
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	6	6.64
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	6.63
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	6.63
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	6.63
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	6.63
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	6.63
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	6.63
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	11	6.63
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	11	6.63
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	11	6.63
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	7	6.62
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	7	6.62
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	7	6.62
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	7	6.62
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	6.62
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	6.62
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	7	6.62
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	7	6.62
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	7	6.62
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	7	6.62
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	6.62
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	6.62
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	7	6.62
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	7	6.62
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	7	6.62
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	7	6.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	7	6.62
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	7	6.62
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	6.59
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	6.59
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	6.59
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	6.59
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	6	6.59
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	6	6.59
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	6.59
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	6.59
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	6.59
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	6.59
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	6	6.59
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	6	6.59
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	6	6.59
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	6	6.59
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	6	6.59
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	6	6.59
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	6	6.59
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	6	6.59
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	6.5
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	6.5
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	6.5
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	6.5
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	6.5
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	6.5
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	2	6.5
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	2	6.5
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	2	6.5
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	6.49
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	6.49
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	6.49
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	6.49
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	6.49
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	6.49
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	15	6.49
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	15	6.49
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	15	6.49
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	4	6.48
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	4	6.48
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	4	6.48
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	4	6.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	4	6.48
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	4	6.48
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	4	6.48
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	4	6.48
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	4	6.48
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	4	6.48
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	4	6.48
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	4	6.48
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	4	6.48
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	4	6.48
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	4	6.48
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	4	6.48
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	4	6.48
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	4	6.48
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	12	6.47
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	12	6.47
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	12	6.47
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	12	6.47
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	12	6.47
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	12	6.47
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	12	6.47
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	12	6.47
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	12	6.47
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	12	6.47
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	12	6.47
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	12	6.47
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	12	6.47
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	12	6.47
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	12	6.47
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	12	6.47
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	12	6.47
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	12	6.47
(2,66)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	6.45
(2,66)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	6.45
(2,66)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	6.45
(2,65)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	6.45
(2,65)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	6.45
(2,65)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	6.45
(2,64)	1:708:C:VAL:HG21	1:714:C:PRO:HA	10	6.45
(2,64)	1:708:C:VAL:HG22	1:714:C:PRO:HA	10	6.45
(2,64)	1:708:C:VAL:HG23	1:714:C:PRO:HA	10	6.45
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	3	6.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	3	6.36
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	3	6.36
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	3	6.36
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	3	6.36
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	3	6.36
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	3	6.36
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	3	6.36
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	3	6.36
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	3	6.36
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	3	6.36
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	3	6.36
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	3	6.36
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	3	6.36
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	3	6.36
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	3	6.36
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	3	6.36
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	3	6.36
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	14	6.35
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	14	6.35
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	14	6.35
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	14	6.35
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	14	6.35
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	14	6.35
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	14	6.35
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	14	6.35
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	14	6.35
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	14	6.35
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	14	6.35
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	14	6.35
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	14	6.35
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	14	6.35
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	14	6.35
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	14	6.35
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	14	6.35
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	14	6.35
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	10	6.3
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	10	6.3
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	10	6.3
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	10	6.3
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	10	6.3
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	10	6.3
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	4	6.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	4	6.27
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	4	6.27
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	4	6.27
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	4	6.27
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	4	6.27
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	13	6.21
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	13	6.21
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	13	6.21
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	13	6.21
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	13	6.21
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	13	6.21
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	13	6.21
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	13	6.21
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	13	6.21
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	13	6.21
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	13	6.21
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	13	6.21
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	13	6.21
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	13	6.21
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	13	6.21
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	13	6.21
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	13	6.21
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	13	6.21
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	1	6.15
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	1	6.15
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	1	6.15
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	1	6.15
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	1	6.15
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	1	6.15
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	1	6.15
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	1	6.15
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	1	6.15
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	1	6.15
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	1	6.15
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	1	6.15
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	1	6.15
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	1	6.15
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	1	6.15
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	1	6.15
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	1	6.15
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	1	6.15
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	6.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	6.07
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	6.07
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	6.07
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	6.07
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	6.07
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	6.07
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	6.07
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	6.07
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	6.07
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	6.07
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	6.07
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	6.07
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	6.07
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	6.07
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	6.07
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	6.07
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	6.07
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	6.07
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	6.07
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	6.07
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	6.07
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	6.07
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	6.07
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	5	6.07
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	5	6.07
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	5	6.07
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	5	6.07
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	5	6.07
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	5	6.07
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	9	6.07
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	9	6.07
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	9	6.07
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	9	6.07
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	9	6.07
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	9	6.07
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	2	6.01
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	2	6.01
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	2	6.01
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	2	6.01
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	2	6.01
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	2	6.01
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	2	6.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	2	6.01
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	2	6.01
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	2	6.01
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	2	6.01
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	2	6.01
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	2	6.01
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	2	6.01
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	2	6.01
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	2	6.01
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	2	6.01
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	2	6.01
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	1	5.93
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	1	5.93
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	1	5.93
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	1	5.93
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	1	5.93
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	1	5.93
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	1	5.93
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	1	5.93
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	1	5.93
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	1	5.93
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	1	5.93
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	1	5.93
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	1	5.93
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	1	5.93
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	1	5.93
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	1	5.93
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	1	5.93
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	1	5.93
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	8	5.92
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	8	5.92
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	8	5.92
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	8	5.92
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	5.92
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	5.92
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	8	5.92
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	8	5.92
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	8	5.92
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	8	5.92
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	5.92
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	5.92
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	8	5.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	8	5.92
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	8	5.92
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	8	5.92
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	8	5.92
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	8	5.92
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	5.88
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	3	5.88
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	3	5.88
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	3	5.88
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	3	5.88
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	3	5.88
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	5.88
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	3	5.88
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	3	5.88
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	3	5.88
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	3	5.88
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	3	5.88
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	3	5.88
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	3	5.88
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	3	5.88
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	3	5.88
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	3	5.88
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	3	5.88
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	13	5.86
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	13	5.86
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	13	5.86
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	13	5.86
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	13	5.86
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	13	5.86
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	2	5.85
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	2	5.85
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	2	5.85
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	2	5.85
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	2	5.85
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	2	5.85
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	2	5.85
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	2	5.85
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	2	5.85
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	2	5.85
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	2	5.85
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	2	5.85
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	2	5.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	2	5.85
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	2	5.85
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	2	5.85
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	2	5.85
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	2	5.85
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	11	5.84
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	11	5.84
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	11	5.84
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	11	5.84
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	11	5.84
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	11	5.84
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD2	2	5.82
(2,69)	1:709:C:ARG:H	1:714:C:PRO:HD3	2	5.82
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD2	2	5.82
(2,68)	1:709:C:ARG:H	1:714:C:PRO:HD3	2	5.82
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD2	2	5.82
(2,67)	1:709:C:ARG:H	1:714:C:PRO:HD3	2	5.82
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	5.67
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	5.67
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	5.67
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	5.67
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	5.67
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	5.67
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	5.67
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	5.67
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	5.67
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	5.67
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	5.67
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	5.67
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	11	5.67
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	11	5.67
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	11	5.67
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	11	5.67
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	11	5.67
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	11	5.67
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	12	5.54
(2,84)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	12	5.54
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	12	5.54
(2,84)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	12	5.54
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	12	5.54
(2,84)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	5.54
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	12	5.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,83)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	12	5.54
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	12	5.54
(2,83)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	12	5.54
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	12	5.54
(2,83)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	5.54
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE21	12	5.54
(2,82)	1:755:C:LEU:HD11	1:710:C:GLN:HE22	12	5.54
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE21	12	5.54
(2,82)	1:755:C:LEU:HD12	1:710:C:GLN:HE22	12	5.54
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE21	12	5.54
(2,82)	1:755:C:LEU:HD13	1:710:C:GLN:HE22	12	5.54
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	10	5.3
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	10	5.3
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	10	5.3
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	10	5.3
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	10	5.3
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	10	5.3
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	10	5.3
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	10	5.3
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	10	5.3
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	10	4.98
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	10	4.98
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	10	4.98
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	10	4.98
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	10	4.98
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	10	4.98
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	10	4.98
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	10	4.98
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	10	4.98
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	10	4.98
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	10	4.98
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	10	4.98
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	10	4.98
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	10	4.98
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	10	4.98
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	10	4.98
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	10	4.98
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	10	4.98
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	10	4.92
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	10	4.92
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	10	4.92
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	10	4.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	10	4.92
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	10	4.92
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	10	4.92
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	10	4.92
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	10	4.92
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	10	4.92
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	10	4.92
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	10	4.92
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	10	4.92
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	10	4.92
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	10	4.92
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	10	4.92
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	10	4.92
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	10	4.92
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	4.82
(2,63)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	4.82
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	4.82
(2,63)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	4.82
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	4.82
(2,63)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	4.82
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	4.82
(2,62)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	4.82
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	4.82
(2,62)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	4.82
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	4.82
(2,62)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	4.82
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD2	15	4.82
(2,61)	1:708:C:VAL:HG21	1:714:C:PRO:HD3	15	4.82
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD2	15	4.82
(2,61)	1:708:C:VAL:HG22	1:714:C:PRO:HD3	15	4.82
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD2	15	4.82
(2,61)	1:708:C:VAL:HG23	1:714:C:PRO:HD3	15	4.82
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	9	4.08
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	9	4.08
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	9	4.08
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	9	4.08
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	9	4.08
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	9	4.08
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	9	4.08
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	9	4.08
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	9	4.08
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	9	4.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	9	4.08
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	9	4.08
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	9	4.08
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	9	4.08
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	9	4.08
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	9	4.08
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	9	4.08
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	9	4.08
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	4	3.95
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	4	3.95
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	4	3.95
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	4	3.95
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	4	3.95
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	4	3.95
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	4	3.95
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	4	3.95
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	4	3.95
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	6	3.94
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	6	3.94
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	6	3.94
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	6	3.94
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	6	3.94
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	6	3.94
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	6	3.94
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	6	3.94
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	6	3.94
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	6	3.94
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	6	3.94
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	6	3.94
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	6	3.94
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	6	3.94
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	6	3.94
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	6	3.94
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	6	3.94
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	6	3.94
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	3.92
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	3.92
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	3.92
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	3.92
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	3.92
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	3.92
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	3.92

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	3.92
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	3.92
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	3.92
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	3.92
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	3.92
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	15	3.92
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	15	3.92
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	15	3.92
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	15	3.92
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	15	3.92
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	15	3.92
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	6	3.81
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	6	3.81
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	6	3.81
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	6	3.81
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	6	3.81
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	6	3.81
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	6	3.81
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	6	3.81
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	6	3.81
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	13	3.64
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	13	3.64
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	13	3.64
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	13	3.64
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	13	3.64
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	13	3.64
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	13	3.64
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	13	3.64
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	13	3.64
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	13	3.64
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	13	3.64
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	13	3.64
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	13	3.64
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	13	3.64
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	13	3.64
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	13	3.64
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	13	3.64
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	13	3.64
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	14	3.64
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	14	3.64
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	14	3.64
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	14	3.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	14	3.64
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	14	3.64
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	14	3.64
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	14	3.64
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	14	3.64
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	14	3.64
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	14	3.64
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	14	3.64
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	14	3.64
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	14	3.64
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	14	3.64
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	14	3.64
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	14	3.64
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	14	3.64
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	13	3.56
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	13	3.56
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	13	3.56
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	13	3.56
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	13	3.56
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	13	3.56
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	13	3.56
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	13	3.56
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	13	3.56
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	7	3.47
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	7	3.47
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	7	3.47
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	7	3.47
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	7	3.47
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	7	3.47
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	7	3.47
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	7	3.47
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	7	3.47
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	12	3.33
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	12	3.33
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	12	3.33
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	12	3.33
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	12	3.33
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	12	3.33
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	12	3.33
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	12	3.33
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	12	3.33
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	14	3.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	14	3.3
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	14	3.3
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	14	3.3
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	14	3.3
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	14	3.3
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	14	3.3
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	14	3.3
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	14	3.3
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	9	3.18
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	9	3.18
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	9	3.18
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	9	3.18
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	9	3.18
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	9	3.18
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	9	3.18
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	9	3.18
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	9	3.18
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	3	3.16
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	3	3.16
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	3	3.16
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	3	3.16
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	3	3.16
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	3	3.16
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	3	3.16
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	3	3.16
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	3	3.16
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	3	3.16
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	3	3.16
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	3	3.16
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	3	3.16
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	3	3.16
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	3	3.16
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	3	3.16
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	3	3.16
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	3	3.16
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	2	3.12
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	2	3.12
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	2	3.12
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	2	3.12
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	2	3.12
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	2	3.12
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	2	3.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	2	3.12
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	2	3.12
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	2	3.12
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	2	3.12
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	2	3.12
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	2	3.12
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	2	3.12
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	2	3.12
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	2	3.12
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	2	3.12
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	2	3.12
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	7	3.06
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	7	3.06
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	7	3.06
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	7	3.06
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	7	3.06
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	7	3.06
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	7	3.06
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	7	3.06
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	7	3.06
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	7	3.06
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	7	3.06
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	7	3.06
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	7	3.06
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	7	3.06
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	7	3.06
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	7	3.06
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	7	3.06
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	7	3.06
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	7	2.99
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	7	2.99
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	7	2.99
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	7	2.99
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	7	2.99
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	7	2.99
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	2	2.97
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	2	2.97
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	2	2.97
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	2	2.97
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	2	2.97
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	2	2.97
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	2	2.97

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	2	2.97
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	2	2.97
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	5	2.91
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	5	2.91
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	5	2.91
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	5	2.91
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	5	2.91
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	5	2.91
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	5	2.91
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	5	2.91
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	5	2.91
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	6	2.89
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	6	2.89
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	6	2.89
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	6	2.89
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	6	2.89
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	6	2.89
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	6	2.89
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	6	2.89
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	6	2.89
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	6	2.89
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	6	2.89
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	6	2.89
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	6	2.89
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	6	2.89
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	6	2.89
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	6	2.89
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	6	2.89
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	6	2.89
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	12	2.83
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	12	2.83
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	12	2.83
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	12	2.83
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	12	2.83
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	12	2.83
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	12	2.83
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	12	2.83
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	12	2.83
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	12	2.83
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	12	2.83
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	12	2.83
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	12	2.83

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	12	2.83
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	12	2.83
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	12	2.83
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	12	2.83
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	12	2.83
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	10	2.79
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	10	2.79
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	10	2.79
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	10	2.79
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	10	2.79
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	10	2.79
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	10	2.79
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	10	2.79
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	10	2.79
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	10	2.79
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	10	2.79
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	10	2.79
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	10	2.79
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	10	2.79
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	10	2.79
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	10	2.79
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	10	2.79
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	10	2.79
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	4	2.78
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	4	2.78
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	4	2.78
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	4	2.78
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	4	2.78
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	4	2.78
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	4	2.78
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	4	2.78
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	4	2.78
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	4	2.78
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	4	2.78
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	4	2.78
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	4	2.78
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	4	2.78
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	4	2.78
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	4	2.78
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	4	2.78
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	4	2.78
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	1	2.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	1	2.74
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	1	2.74
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	3	2.74
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	3	2.74
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	3	2.74
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	1	2.74
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	1	2.74
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	1	2.74
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	3	2.74
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	3	2.74
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	3	2.74
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	1	2.74
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	1	2.74
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	1	2.74
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	3	2.74
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	3	2.74
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	3	2.74
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	10	2.74
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	10	2.74
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	10	2.74
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	10	2.74
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	10	2.74
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	10	2.74
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	2	2.73
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	2	2.73
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	2	2.73
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	2	2.73
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	2	2.73
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	2	2.73
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	2	2.73
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	2	2.73
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	2	2.73
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	2	2.73
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	2	2.73
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	2	2.73
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	2	2.73
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	2	2.73
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	2	2.73
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	2	2.73
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	2	2.73
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	2	2.73
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	11	2.65

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	11	2.65
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	11	2.65
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	11	2.65
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	11	2.65
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	11	2.65
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	11	2.65
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	11	2.65
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	11	2.65
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	2	2.59
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	2	2.59
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	2	2.59
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	2	2.59
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	2	2.59
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	2	2.59
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	2	2.59
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	2	2.59
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	2	2.59
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	2	2.59
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	2	2.59
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	2	2.59
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	2	2.59
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	2	2.59
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	2	2.59
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	2	2.59
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	2	2.59
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	2	2.59
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.57
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.57
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.57
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.57
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	12	2.57
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	12	2.57
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	8	2.55
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	8	2.55
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	8	2.55
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	8	2.55
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	8	2.55
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	8	2.55
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	8	2.55
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	8	2.55
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	8	2.55
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.55
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.55
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.55
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	3	2.55
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	3	2.55
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.51
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.51
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.51
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.51
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.51
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.51
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.51
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.51
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.51
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.51
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.51
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.51
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.51
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.51
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.51
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.51
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.51
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.51
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	13	2.51
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	13	2.51
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	13	2.51
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	13	2.51
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	13	2.51
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	13	2.51
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	13	2.51
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	13	2.51
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	13	2.51
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	7	2.49
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	7	2.49
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	7	2.49
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	7	2.49
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	7	2.49
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	7	2.49
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	7	2.49
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	7	2.49
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	7	2.49
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	7	2.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	7	2.49
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	7	2.49
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	7	2.49
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	7	2.49
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	7	2.49
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	7	2.49
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	7	2.49
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	7	2.49
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.46
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.46
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.46
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.46
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	4	2.46
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	4	2.46
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	4	2.46
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	4	2.46
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	4	2.46
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.46
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.46
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.46
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.46
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	4	2.46
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	4	2.46
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	4	2.46
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	4	2.46
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	4	2.46
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	4	2.46
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	4	2.46
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	4	2.46
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	4	2.46
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	4	2.46
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	4	2.46
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	4	2.46
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	4	2.46
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	4	2.46
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.42
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.42
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.42
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.42
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.42
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.42
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.42
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.42
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.42
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.42
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.42
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.42
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.42
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.42
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.42
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.42
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.42
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	7	2.42
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	7	2.42
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	7	2.42
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	7	2.42
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	7	2.42
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	7	2.42
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	7	2.42
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	7	2.42
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	7	2.42
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.41
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.41
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.41
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.41
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.41
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.41
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.41
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.41
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.41
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.41
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.41
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.41
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.41
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.41
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.41
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.41
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.41
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.41
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.41
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.41
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.41
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.41
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.41
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.41
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.41
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.41
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.41
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.41
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.41
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.41
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.41
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.41
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.41
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.41
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.41
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	1	2.41
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	1	2.41
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	1	2.41
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	1	2.41
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	1	2.41
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	1	2.41
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	1	2.41
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	1	2.41
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	1	2.41
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	12	2.41
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	12	2.41
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	12	2.41
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	12	2.41
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	12	2.41
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	12	2.41
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	12	2.41
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	12	2.41
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	12	2.41
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.41
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.41
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.41
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.41
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	9	2.41
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	9	2.41
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	2.38
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	2.38
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	2.38
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	2.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	2.38
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	2.38
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	2.38
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	2.38
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	2.38
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	2.38
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	2.38
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	2.38
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	9	2.38
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	9	2.38
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	9	2.38
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	9	2.38
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	9	2.38
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	9	2.38
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.37
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.37
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.37
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.37
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.37
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.37
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.37
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.37
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.37
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.37
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.37
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.37
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.37
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.37
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.37
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.37
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.37
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.37
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	15	2.37
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	15	2.37
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	15	2.37
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	15	2.37
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	15	2.37
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	15	2.37
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	15	2.37
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	15	2.37
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	15	2.37
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.36
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.36
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.36
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.36
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.36
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.36
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.36
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.36
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.36
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.36
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.36
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.36
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.36
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.36
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.36
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.36
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.36
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	14	2.36
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	14	2.36
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	14	2.36
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	14	2.36
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	14	2.36
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	14	2.36
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	14	2.36
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	14	2.36
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	14	2.36
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.35
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.35
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.35
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.35
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.35
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.35
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.35
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.35
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.35
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.35
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.35
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.35
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.35
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.35
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.35
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.35
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.35
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	11	2.35
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	11	2.35
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	11	2.35
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	11	2.35
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	11	2.35
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	11	2.35
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	11	2.35
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	11	2.35
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	11	2.35
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.33
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.33
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.33
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.33
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.33
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.33
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.33
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.33
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.33
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	6	2.33
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	6	2.33
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	6	2.33
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	6	2.33
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	6	2.33
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	6	2.33
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	6	2.33
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	6	2.33
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	6	2.33
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.33
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.33
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.33
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.33
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.33
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.33
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.33
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.33
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.33
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	6	2.33
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	6	2.33
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	6	2.33
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	6	2.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	6	2.33
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	6	2.33
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	6	2.33
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	6	2.33
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	6	2.33
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	2	2.33
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	2	2.33
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	2	2.33
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	2	2.33
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	2	2.33
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	2	2.33
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	2	2.33
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	2	2.33
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	2	2.33
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	6	2.33
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	6	2.33
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	6	2.33
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	6	2.33
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	6	2.33
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	6	2.33
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	6	2.33
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	6	2.33
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	6	2.33
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	9	2.3
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	9	2.3
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	9	2.3
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	9	2.3
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	9	2.3
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	9	2.3
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	9	2.3
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	9	2.3
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	9	2.3
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	9	2.3
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	9	2.3
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	9	2.3
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	9	2.3
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	9	2.3
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	9	2.3
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	9	2.3
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	9	2.3
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	9	2.3
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	11	2.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	11	2.26
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	11	2.26
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	11	2.26
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	11	2.26
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	11	2.26
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	11	2.26
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	11	2.26
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	11	2.26
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	11	2.26
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	11	2.26
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	11	2.26
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	11	2.26
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	11	2.26
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	11	2.26
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	11	2.26
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	11	2.26
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	11	2.26
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	5	2.23
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	5	2.23
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	5	2.23
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	5	2.23
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	5	2.23
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	5	2.23
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	5	2.23
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	5	2.23
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	5	2.23
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	5	2.23
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	5	2.23
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	5	2.23
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	5	2.23
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	5	2.23
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	5	2.23
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	5	2.23
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	5	2.23
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	5	2.23
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.18
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.18
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.18
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.18
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	15	2.18
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	15	2.18
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.17
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.17
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.17
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	2	2.17
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	2	2.17
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.16
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.16
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.16
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.16
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.16
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.16
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.16
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.16
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.16
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.16
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.16
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.16
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.16
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.16
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.16
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.16
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.16
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.16
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	5	2.16
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	5	2.16
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	5	2.16
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	5	2.16
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	5	2.16
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	5	2.16
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	5	2.16
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	5	2.16
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	5	2.16
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	2.15
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	2.15
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	2.15
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	2.15
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	2.15
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	2.15
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	2.15
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	2.15
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	2.15
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	2.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	2.15
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	2.15
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	15	2.15
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	15	2.15
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	15	2.15
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	15	2.15
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	15	2.15
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	15	2.15
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	4	2.14
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	4	2.14
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	4	2.14
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	4	2.14
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	4	2.14
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	4	2.14
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	4	2.14
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	4	2.14
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	4	2.14
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	4	2.14
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	4	2.14
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	4	2.14
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	4	2.14
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	4	2.14
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	4	2.14
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	4	2.14
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	4	2.14
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	4	2.14
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.14
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.14
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.14
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.14
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.14
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.14
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.14
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.14
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.14
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.14
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.14
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.14
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.14
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.14
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.14
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.14
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.14
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.14
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.14
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.14
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.14
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.14
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.14
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.14
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.14
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.14
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.14
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.14
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.14
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.14
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.14
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.14
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.14
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.14
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.14
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	3	2.14
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	3	2.14
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	3	2.14
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	3	2.14
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	3	2.14
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	3	2.14
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	3	2.14
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	3	2.14
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	3	2.14
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	9	2.14
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	9	2.14
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	9	2.14
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	9	2.14
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	9	2.14
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	9	2.14
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	9	2.14
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	9	2.14
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	9	2.14
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	7	2.13
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	7	2.13
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	7	2.13
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	7	2.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	7	2.13
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	7	2.13
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	7	2.13
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	7	2.13
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	7	2.13
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	7	2.13
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	7	2.13
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	7	2.13
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	7	2.13
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	7	2.13
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	7	2.13
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	7	2.13
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	7	2.13
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	7	2.13
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	11	2.1
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	11	2.1
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	11	2.1
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	11	2.1
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	11	2.1
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	11	2.1
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	11	2.1
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	11	2.1
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	11	2.1
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	11	2.1
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	11	2.1
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	11	2.1
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	11	2.1
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	11	2.1
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	11	2.1
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	11	2.1
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	11	2.1
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	11	2.1
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	2.09
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	2.09
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	2.09
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	2.09
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	1	2.09
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	1	2.09
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	13	2.09
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	13	2.09
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	13	2.09
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	13	2.09

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	13	2.09
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	13	2.09
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	13	2.09
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	13	2.09
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	13	2.09
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	13	2.09
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	13	2.09
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	13	2.09
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	13	2.09
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	13	2.09
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	13	2.09
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	13	2.09
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	13	2.09
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	13	2.09
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	2.09
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	2.09
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	2.09
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	2.09
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	2.09
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	2.09
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	9	2.09
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	9	2.09
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	9	2.09
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	5	2.03
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	5	2.03
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	5	2.03
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	5	2.03
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	5	2.03
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	5	2.03
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	5	2.03
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	5	2.03
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	5	2.03
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	5	2.03
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	5	2.03
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	5	2.03
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	5	2.03
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	5	2.03
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	5	2.03
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	5	2.03
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	5	2.03
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	5	2.03
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	2.02

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	2.02
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	2.02
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	2.02
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	2.02
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	2.02
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	2.02
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	2.02
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	2.02
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	2.02
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	2.02
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	2.02
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	14	2.02
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	14	2.02
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	14	2.02
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	14	2.02
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	14	2.02
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	14	2.02
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.0
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.0
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.0
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.0
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.0
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.0
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	6	2.0
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	6	2.0
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	6	2.0
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	6	1.98
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	6	1.98
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	6	1.98
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	6	1.98
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	6	1.98
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	6	1.98
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	6	1.98
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	6	1.98
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	6	1.98
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	6	1.98
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	6	1.98
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	6	1.98
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	6	1.98
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	6	1.98
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	6	1.98
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	6	1.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	6	1.98
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	6	1.98
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	1.96
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	1.96
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	1.96
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	1.96
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	1.96
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	1.96
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	13	1.96
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	13	1.96
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	13	1.96
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	7	1.95
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	7	1.95
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	7	1.95
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	7	1.95
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	7	1.95
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	7	1.95
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	7	1.95
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	7	1.95
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	7	1.95
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	7	1.95
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	7	1.95
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	7	1.95
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	7	1.95
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	7	1.95
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	7	1.95
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	7	1.95
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	7	1.95
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	7	1.95
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	1.95
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	1.95
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	1.95
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	1.95
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	1.95
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	1.95
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	7	1.95
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	7	1.95
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	7	1.95
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	1.94
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	1.94
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	1.94
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	1.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	14	1.94
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	14	1.94
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	9	1.93
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	9	1.93
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	9	1.93
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	4	1.92
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	4	1.92
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	4	1.92
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	4	1.92
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	4	1.92
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	4	1.92
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	10	1.92
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	10	1.92
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	10	1.92
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	10	1.92
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	10	1.92
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	10	1.92
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	4	1.92
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	4	1.92
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	4	1.92
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	4	1.92
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	4	1.92
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	4	1.92
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	10	1.92
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	10	1.92
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	10	1.92
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	10	1.92
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	10	1.92
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	10	1.92
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	4	1.92
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	4	1.92
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	4	1.92
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	4	1.92
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	4	1.92
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	4	1.92
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	10	1.92
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	10	1.92
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	10	1.92
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	10	1.92
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	10	1.92
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	10	1.92
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	8	1.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	8	1.9
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	8	1.9
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	8	1.9
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	8	1.9
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	8	1.9
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	8	1.9
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	8	1.9
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	8	1.9
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	8	1.9
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	8	1.9
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	8	1.9
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	8	1.9
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	8	1.9
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	8	1.9
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	8	1.9
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	8	1.9
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	8	1.9
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	8	1.88
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	1.88
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	1.88
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	1.88
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	1.88
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	1.88
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	1.88
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	1.88
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	1.88
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	8	1.88
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	1.88
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	1.88
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	1.88
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	1.88
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	1.88
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	1.88
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	1.88
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	1.88
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	8	1.88
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	8	1.88
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	8	1.88
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	8	1.88
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	8	1.88
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	8	1.88
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	8	1.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	8	1.88
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	8	1.88
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	1.88
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	1.88
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	1.88
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	1.88
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	4	1.88
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	4	1.88
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	15	1.88
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	15	1.88
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	15	1.88
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	1.85
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	1.85
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	1.85
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	1.85
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	1.85
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	1.85
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	5	1.85
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	5	1.85
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	5	1.85
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	3	1.84
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	3	1.84
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	3	1.84
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	3	1.84
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	3	1.84
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	3	1.84
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	3	1.84
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	3	1.84
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	3	1.84
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	3	1.84
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	3	1.84
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	3	1.84
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	3	1.84
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	3	1.84
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	3	1.84
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	3	1.84
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	3	1.84
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	3	1.84
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	1.84
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	1.84
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	1.84
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	1.84

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	8	1.84
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	8	1.84
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	1.84
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	1.84
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	1.84
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	1.84
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	1.84
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	1.84
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	1.84
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	8	1.84
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	8	1.84
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	1.84
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	1.84
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	1.84
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	3	1.84
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	3	1.84
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	3	1.84
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	8	1.84
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	8	1.84
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	8	1.84
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	14	1.84
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	14	1.84
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	14	1.84
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	13	1.82
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	13	1.82
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	13	1.82
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	13	1.82
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	13	1.82
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	13	1.82
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	13	1.82
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	13	1.82
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	13	1.82
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	13	1.82
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	13	1.82
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	13	1.82
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	13	1.82
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	13	1.82
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	13	1.82
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	13	1.82
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	13	1.82
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	13	1.82
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	15	1.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	15	1.82
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	15	1.82
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	14	1.81
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	14	1.81
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	14	1.81
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	14	1.81
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	14	1.81
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	14	1.81
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	14	1.81
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	14	1.81
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	14	1.81
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	14	1.81
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	14	1.81
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	14	1.81
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	14	1.81
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	14	1.81
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	14	1.81
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	14	1.81
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	14	1.81
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	14	1.81
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	2	1.81
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	2	1.81
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	2	1.81
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	1.8
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	1.8
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	1.8
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	1.8
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	8	1.8
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	8	1.8
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	1.79
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	1.79
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	1.79
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	1.79
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	1.79
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	1.79
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	4	1.79
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	4	1.79
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	4	1.79
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	15	1.79
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	15	1.79
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	15	1.79
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	1	1.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	1	1.78
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	1	1.78
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	1	1.78
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	1	1.78
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	1	1.78
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	8	1.78
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	8	1.78
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	8	1.78
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	8	1.78
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	8	1.78
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	8	1.78
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	1	1.78
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	1	1.78
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	1	1.78
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	1	1.78
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	1	1.78
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	1	1.78
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	8	1.78
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	8	1.78
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	8	1.78
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	8	1.78
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	8	1.78
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	8	1.78
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	1	1.78
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	1	1.78
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	1	1.78
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	1	1.78
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	1	1.78
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	1	1.78
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	8	1.78
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	8	1.78
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	8	1.78
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	8	1.78
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	8	1.78
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	8	1.78
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	1.77
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	1.77
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	1.77
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	1.77
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	1.77
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	1.77
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	11	1.77

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	11	1.77
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	11	1.77
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	9	1.77
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	9	1.77
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	9	1.77
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	12	1.74
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	12	1.74
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	12	1.74
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	13	1.73
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	13	1.73
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	13	1.73
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	1.72
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	1.72
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	1.72
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	1.72
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	1.72
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	1.72
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	2	1.72
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	2	1.72
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	2	1.72
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	2	1.71
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	10	1.71
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	2	1.71
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	10	1.71
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	2	1.71
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	10	1.71
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	7	1.69
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	7	1.69
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	7	1.69
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	10	1.65
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	10	1.65
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	10	1.65
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	9	1.64
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	13	1.64
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	7	1.64
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	9	1.64
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	13	1.64
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	7	1.64
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	9	1.64
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	13	1.64
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	7	1.64
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	1.63

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	1.63
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	1.63
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	1.63
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	5	1.63
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	5	1.63
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	1.63
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	1.63
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	1.63
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	1.63
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	1.63
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	1.63
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	10	1.63
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	10	1.63
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	10	1.63
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	6	1.62
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	6	1.62
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	6	1.62
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	12	1.61
(2,54)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	12	1.61
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	12	1.61
(2,54)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	12	1.61
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	12	1.61
(2,54)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	12	1.61
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	12	1.61
(2,53)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	12	1.61
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	12	1.61
(2,53)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	12	1.61
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	12	1.61
(2,53)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	12	1.61
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB2	12	1.61
(2,52)	1:704:C:LEU:HD21	1:706:C:ASN:HB3	12	1.61
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB2	12	1.61
(2,52)	1:704:C:LEU:HD22	1:706:C:ASN:HB3	12	1.61
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB2	12	1.61
(2,52)	1:704:C:LEU:HD23	1:706:C:ASN:HB3	12	1.61
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	4	1.6
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	4	1.6
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	4	1.6
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	4	1.6
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	4	1.6
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	4	1.6
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	4	1.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	4	1.6
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	4	1.6
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	4	1.6
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	4	1.6
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	4	1.6
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	4	1.6
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	4	1.6
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	4	1.6
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	4	1.6
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	4	1.6
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	4	1.6
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	1.6
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	1.6
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	1.6
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	1.6
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	1.6
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	1.6
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	1.6
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	1.6
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	1.6
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	1.6
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	1.6
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	1.6
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	9	1.6
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	9	1.6
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	9	1.6
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	15	1.6
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	15	1.6
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	15	1.6
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	8	1.6
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	8	1.6
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	8	1.6
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	9	1.59
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	9	1.59
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	9	1.59
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	10	1.58
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	10	1.58
(2,51)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	10	1.58
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	10	1.58
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	10	1.58
(2,51)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	10	1.58
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	10	1.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	10	1.58
(2,51)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	10	1.58
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	10	1.58
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	10	1.58
(2,50)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	10	1.58
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	10	1.58
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	10	1.58
(2,50)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	10	1.58
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	10	1.58
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	10	1.58
(2,50)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	10	1.58
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB1	10	1.58
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB2	10	1.58
(2,49)	1:702:C:LEU:HD21	1:700:C:ALA:HB3	10	1.58
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB1	10	1.58
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB2	10	1.58
(2,49)	1:702:C:LEU:HD22	1:700:C:ALA:HB3	10	1.58
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB1	10	1.58
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB2	10	1.58
(2,49)	1:702:C:LEU:HD23	1:700:C:ALA:HB3	10	1.58
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	1.58
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	1.58
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	1.58
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	1.58
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	1.58
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	1.58
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	1.58
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	1.58
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	1.58
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	1.58
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	1.58
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	1.58
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	5	1.58
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	5	1.58
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	5	1.58
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	5	1.58
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	5	1.58
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	5	1.58
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	1.56
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	1.56
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	1.56
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	1.56
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	1.56
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	1	1.56
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	1	1.56
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	1	1.56
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	7	1.56
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	7	1.56
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	7	1.56
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	2	1.55
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	9	1.55
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	2	1.55
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	9	1.55
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	2	1.55
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	9	1.55
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	15	1.54
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	3	1.54
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	15	1.54
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	3	1.54
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	15	1.54
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	3	1.54
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	1.53
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	1.53
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	1.53
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	1.53
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	1.53
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	1.53
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	1.53
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	1.53
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	1.53
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	1.53
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	1.53
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	1.53
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	13	1.53
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	13	1.53
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	13	1.53
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	13	1.53
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	13	1.53
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	13	1.53
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG21	15	1.52
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG22	15	1.52
(2,75)	1:713:C:SER:H	1:708:C:VAL:HG23	15	1.52
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG21	15	1.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG22	15	1.52
(2,74)	1:713:C:SER:H	1:708:C:VAL:HG23	15	1.52
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG21	15	1.52
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG22	15	1.52
(2,73)	1:713:C:SER:H	1:708:C:VAL:HG23	15	1.52
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	3	1.52
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	3	1.52
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	3	1.52
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	1.5
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	1.5
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	1.5
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	1.5
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	11	1.5
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	11	1.5
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	1.5
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	1.5
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	1.5
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	1.5
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	1.5
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	1.5
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	6	1.5
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	6	1.5
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	6	1.5
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	6	1.5
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	5	1.5
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	6	1.5
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	5	1.5
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	6	1.5
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	5	1.5
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	1.49
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	1.49
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	1.49
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	1.49
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	13	1.49
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	13	1.49
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	6	1.48
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	11	1.48
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	6	1.48
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	11	1.48
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	6	1.48
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	11	1.48
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	3	1.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	3	1.47
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	3	1.47
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	1.46
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	1.46
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	1.46
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	1.46
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	1.46
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	1.46
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	13	1.46
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	13	1.46
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	13	1.46
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	12	1.46
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	15	1.46
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	8	1.46
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	12	1.46
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	15	1.46
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	8	1.46
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	12	1.46
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	15	1.46
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	8	1.46
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.45
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.45
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.45
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.45
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.45
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.45
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	7	1.45
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	7	1.45
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	7	1.45
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	1	1.45
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	12	1.45
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	14	1.45
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	1	1.45
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	12	1.45
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	14	1.45
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	1	1.45
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	12	1.45
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	14	1.45
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.44
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.44
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.44
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.44
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.44
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	2	1.44
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	2	1.44
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	2	1.44
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	1.44
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	1.44
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	1.44
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	1.44
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	1.44
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	1.44
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	14	1.44
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	14	1.44
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	14	1.44
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	14	1.44
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	14	1.44
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	14	1.44
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	1.44
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	1.44
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	1.44
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	1.44
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	1.44
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	1.44
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	14	1.44
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	14	1.44
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	14	1.44
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	14	1.44
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	14	1.44
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	14	1.44
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	6	1.44
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	6	1.44
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	6	1.44
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	6	1.44
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	6	1.44
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	6	1.44
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	14	1.44
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	14	1.44
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	14	1.44
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	14	1.44
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	14	1.44
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	14	1.44
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	1	1.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	13	1.44
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	1	1.44
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	13	1.44
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	1	1.44
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	13	1.44
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	14	1.43
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	4	1.43
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	14	1.43
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	4	1.43
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	14	1.43
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	4	1.43
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	10	1.42
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	10	1.42
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	10	1.42
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	10	1.42
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	10	1.42
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	10	1.42
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	10	1.42
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	10	1.42
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	10	1.42
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	10	1.42
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	10	1.42
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	10	1.42
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	10	1.42
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	10	1.42
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	10	1.42
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	10	1.42
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	10	1.42
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	10	1.42
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	2	1.41
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	2	1.41
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	2	1.41
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	2	1.41
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	2	1.41
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	2	1.41
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	2	1.41
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	2	1.41
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	2	1.41
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	2	1.41
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	2	1.41
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	2	1.41
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	2	1.41
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	2	1.41
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	2	1.41
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	2	1.41
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	2	1.41
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	1.41
(2,42)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	1.41
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	1.41
(2,41)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	1.41
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA2	6	1.41
(2,40)	1:696:C:ARG:HE	1:694:C:GLY:HA3	6	1.41
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.41
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.41
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.41
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.41
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.41
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.41
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.41
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.41
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.41
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.41
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.41
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.41
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	13	1.41
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	13	1.41
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	13	1.41
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	13	1.41
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	13	1.41
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	13	1.41
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	6	1.4
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	6	1.4
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	6	1.4
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	1.39
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	1.39
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	1.39
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	1.39
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	1.39
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	1.39
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	1.39
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	1.39
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	1.39
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	1.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	1.39
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	1.39
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	15	1.39
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	15	1.39
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	15	1.39
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	15	1.39
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	15	1.39
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	15	1.39
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	1.39
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	1.39
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	1.39
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	1.39
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	1.39
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	1.39
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	1.39
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	1.39
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	1.39
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	1.39
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	1.39
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	1.39
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	3	1.39
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	3	1.39
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	3	1.39
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	3	1.39
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	3	1.39
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	3	1.39
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	10	1.39
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	10	1.39
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	10	1.39
(2,809)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	12	1.38
(2,482)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	12	1.38
(2,155)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	12	1.38
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	1.38
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	1.38
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	1.38
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	1.38
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	1.38
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	1.38
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	1.38
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	1.38
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	1.38
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	1.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	1.38
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	1.38
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	4	1.38
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	4	1.38
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	4	1.38
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	4	1.38
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	4	1.38
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	4	1.38
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	7	1.38
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	8	1.38
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	11	1.38
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	12	1.38
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	7	1.38
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	8	1.38
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	11	1.38
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	12	1.38
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	7	1.38
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	8	1.38
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	11	1.38
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	12	1.38
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	3	1.37
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	12	1.37
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	3	1.37
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	12	1.37
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	3	1.37
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	12	1.37
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	1.36
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	1.36
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	1.36
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	1.36
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	1.36
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	1.36
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	1.36
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	1.36
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	1.36
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	1.36
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	1.36
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	1.36
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	11	1.36
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	11	1.36
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	11	1.36
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	11	1.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	11	1.36
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	11	1.36
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.36
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.36
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.36
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.36
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.36
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.36
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.36
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.36
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.36
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.36
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.36
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.36
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	12	1.36
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	12	1.36
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	12	1.36
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	12	1.36
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	12	1.36
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	12	1.36
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	12	1.36
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	14	1.36
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	4	1.36
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	12	1.36
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	14	1.36
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	4	1.36
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	12	1.36
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	14	1.36
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	4	1.36
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.35
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.35
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.35
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.35
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.35
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.35
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	5	1.35
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	5	1.35
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	5	1.35
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.35
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.35
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.35
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.35
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.35
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	12	1.35
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	12	1.35
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	12	1.35
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	1.34
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	1.34
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	1.34
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	8	1.34
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	8	1.34
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	8	1.34
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.34
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.34
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.34
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	1.34
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	1.34
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	1.34
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	8	1.34
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	8	1.34
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	8	1.34
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.34
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.34
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.34
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	3	1.34
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	3	1.34
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	3	1.34
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	8	1.34
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	8	1.34
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	8	1.34
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	14	1.34
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	14	1.34
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	14	1.34
(2,24)	1:692:C:LEU:HD21	1:694:C:GLY:H	12	1.34
(2,24)	1:692:C:LEU:HD22	1:694:C:GLY:H	12	1.34
(2,24)	1:692:C:LEU:HD23	1:694:C:GLY:H	12	1.34
(2,23)	1:692:C:LEU:HD21	1:694:C:GLY:H	12	1.34
(2,23)	1:692:C:LEU:HD22	1:694:C:GLY:H	12	1.34
(2,23)	1:692:C:LEU:HD23	1:694:C:GLY:H	12	1.34
(2,22)	1:692:C:LEU:HD21	1:694:C:GLY:H	12	1.34
(2,22)	1:692:C:LEU:HD22	1:694:C:GLY:H	12	1.34
(2,22)	1:692:C:LEU:HD23	1:694:C:GLY:H	12	1.34
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.34
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.34
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.34
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.34
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.34
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	1	1.34
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	1	1.34
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	1	1.34
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.33
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.33
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.33
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	13	1.33
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	13	1.33
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	13	1.33
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.33
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.33
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.33
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	13	1.33
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	13	1.33
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	13	1.33
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	8	1.33
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	8	1.33
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	8	1.33
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	13	1.33
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	13	1.33
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	13	1.33
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	15	1.33
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	13	1.33
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	4	1.33
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	15	1.33
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	13	1.33
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	4	1.33
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	15	1.33
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	13	1.33
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	4	1.33
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	8	1.32
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	9	1.32
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	15	1.32
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	8	1.32
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	9	1.32
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	15	1.32
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	8	1.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	9	1.32
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	15	1.32
(1,63)	1:745:C:SER:O	1:749:C:VAL:H	11	1.31
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	14	1.31
(1,37)	1:745:C:SER:O	1:749:C:VAL:H	11	1.31
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	14	1.31
(1,11)	1:745:C:SER:O	1:749:C:VAL:H	11	1.31
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	14	1.31
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	6	1.3
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	5	1.3
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	7	1.3
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	6	1.3
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	5	1.3
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	7	1.3
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	6	1.3
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	5	1.3
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	7	1.3
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	1.29
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	1.29
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	1.29
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	1.29
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	1.29
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	1.29
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	4	1.29
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	4	1.29
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	4	1.29
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	8	1.29
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	8	1.29
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	8	1.29
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	8	1.29
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	8	1.29
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	8	1.29
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	8	1.29
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	8	1.29
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	8	1.29
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	8	1.29
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	8	1.29
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	8	1.29
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	8	1.29
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	8	1.29
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	8	1.29
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	8	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	8	1.29
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	8	1.29
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	1.29
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	1.29
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	1.29
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	1.29
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	1.29
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	1.29
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	1.29
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	1.29
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	1.29
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	1.29
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	1.29
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	1.29
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	6	1.29
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	6	1.29
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	6	1.29
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	6	1.29
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	6	1.29
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	6	1.29
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	12	1.29
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	12	1.29
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	12	1.29
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	7	1.28
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	7	1.28
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	7	1.28
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	7	1.28
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	7	1.28
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	7	1.28
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	1.27
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	1.27
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	1.27
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	1.27
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	1.27
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	1.27
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	11	1.27
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	11	1.27
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	11	1.27
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	1.27
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	1.27
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	1.27
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	1.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	1.27
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	1.27
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	6	1.27
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	6	1.27
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	6	1.27
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	6	1.27
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	6	1.27
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	6	1.27
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.26
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.26
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.26
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.26
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.26
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.26
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	14	1.26
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	14	1.26
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	14	1.26
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	5	1.26
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	14	1.26
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	5	1.26
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	14	1.26
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	5	1.26
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	14	1.26
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	1	1.25
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	1	1.25
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	1	1.25
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	1.24
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	1.24
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	1.24
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	1.24
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	1.24
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	1.24
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	5	1.24
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	5	1.24
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	5	1.24
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	10	1.24
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	9	1.24
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	10	1.24
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	9	1.24
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	10	1.24
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	9	1.24
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	9	1.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	8	1.23
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	5	1.23
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	9	1.23
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	8	1.23
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	5	1.23
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	9	1.23
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	8	1.23
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	5	1.23
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	1.22
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	1.22
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	1.22
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	1.22
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	1.22
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	1.22
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	2	1.22
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	2	1.22
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	2	1.22
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	1.21
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	1.21
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	1.21
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	1.21
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	1.21
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	1.21
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	3	1.21
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	3	1.21
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	3	1.21
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.21
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.21
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.21
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.21
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.21
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.21
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.21
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.21
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.21
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.21
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.21
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.21
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	2	1.21
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	2	1.21
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	2	1.21
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	2	1.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	2	1.21
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	2	1.21
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	2	1.21
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	2	1.21
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	3	1.21
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	3	1.21
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	2	1.21
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	2	1.21
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	3	1.21
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	3	1.21
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	2	1.21
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	2	1.21
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	3	1.21
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	3	1.21
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	1.2
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	1.2
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	1.2
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	1.2
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	1.2
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	1.2
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	1.2
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	1.2
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	1.2
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	1.2
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	1.2
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	1.2
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	13	1.2
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	13	1.2
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	13	1.2
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	13	1.2
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	13	1.2
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	13	1.2
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	11	1.2
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	6	1.2
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	11	1.2
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	6	1.2
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	11	1.2
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	6	1.2
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.19
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.19
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.19
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.19
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.19
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	15	1.19
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	15	1.19
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	15	1.19
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	1.19
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	1.19
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	1.19
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	1.19
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	1.19
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	1.19
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	1.19
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	1.19
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	1.19
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	1.19
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	1.19
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	1.19
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	7	1.19
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	7	1.19
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	7	1.19
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	7	1.19
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	7	1.19
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	7	1.19
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	3	1.19
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	4	1.19
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	3	1.19
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	4	1.19
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	3	1.19
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	4	1.19
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	1.18
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	1.18
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	1.18
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	1.18
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	1.18
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	1.18
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	4	1.18
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	4	1.18
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	4	1.18
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	5	1.18
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	5	1.18
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	5	1.18
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	1.17
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	1.17
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	1.17
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	1.17
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	1.17
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	1.17
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	1.17
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	1.17
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	1.17
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	1.17
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	1.17
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	3	1.17
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	3	1.17
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	3	1.17
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	3	1.17
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	3	1.17
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	3	1.17
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	7	1.17
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	8	1.17
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	9	1.17
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	12	1.17
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	7	1.17
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	8	1.17
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	9	1.17
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	12	1.17
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	7	1.17
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	8	1.17
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	9	1.17
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	12	1.17
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	1.16
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	1.16
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	1.16
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	1.16
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	1.16
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	1.16
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	7	1.16
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	7	1.16
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	7	1.16
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	2	1.16
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	2	1.16
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	2	1.16
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	14	1.15
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	10	1.15
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	14	1.15
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	10	1.15
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	14	1.15
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.14
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.14
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.14
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.14
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.14
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.14
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	11	1.14
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	11	1.14
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	11	1.14
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	1.13
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	1.13
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	1.13
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	1.13
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	1.13
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	1.13
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	10	1.13
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	10	1.13
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	10	1.13
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	13	1.13
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	1	1.13
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	13	1.13
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	1	1.13
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	13	1.13
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	1	1.13
(2,1092)	1:744:C:ARG:HH21	1:741:C:ASP:OD1	4	1.12
(2,765)	1:744:C:ARG:HH21	1:741:C:ASP:OD1	4	1.12
(2,438)	1:744:C:ARG:HH21	1:741:C:ASP:OD1	4	1.12
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.12
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.12
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.12
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.12
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.12
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.12
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.12
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.12
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.12
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.12
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.12
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	10	1.12
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	10	1.12
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	10	1.12
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	10	1.12
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	10	1.12
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	10	1.12
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	5	1.12
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	13	1.12
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	5	1.12
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	13	1.12
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	5	1.12
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	13	1.12
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	4	1.11
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	4	1.11
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	4	1.11
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	4	1.11
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	4	1.11
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	4	1.11
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	4	1.11
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	4	1.11
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	4	1.11
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	4	1.11
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	4	1.11
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	4	1.11
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	4	1.11
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	4	1.11
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	4	1.11
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	4	1.11
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	4	1.11
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	4	1.11
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	1.1
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	1.1
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	1.1
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.1
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.1
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.1
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	1.1
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	1.1
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	1.1
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.1
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.1
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	9	1.1
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	9	1.1
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	9	1.1
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	15	1.1
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	15	1.1
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	15	1.1
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	10	1.1
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	10	1.1
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	10	1.1
(1,65)	1:746:C:ILE:O	1:750:C:ASN:H	14	1.09
(1,39)	1:746:C:ILE:O	1:750:C:ASN:H	14	1.09
(1,13)	1:746:C:ILE:O	1:750:C:ASN:H	14	1.09
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	1	1.08
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	1	1.08
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	1	1.08
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	1	1.08
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	1	1.08
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	1	1.08
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	11	1.08
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	11	1.08
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	11	1.08
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	11	1.08
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	11	1.08
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	11	1.08
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	1	1.08
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	1	1.08
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	1	1.08
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	1	1.08
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	1	1.08
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	1	1.08
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	11	1.08
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	11	1.08
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	11	1.08
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	11	1.08
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	11	1.08
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	11	1.08
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	1	1.08
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	1	1.08
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	1	1.08
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	1	1.08

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	1	1.08
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	1	1.08
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	11	1.08
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	11	1.08
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	11	1.08
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	11	1.08
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	11	1.08
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	11	1.08
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	10	1.08
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	10	1.08
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	10	1.08
(2,9)	1:682:C:ILE:HG21	1:684:C:ILE:HA	10	1.07
(2,9)	1:682:C:ILE:HG22	1:684:C:ILE:HA	10	1.07
(2,9)	1:682:C:ILE:HG23	1:684:C:ILE:HA	10	1.07
(2,8)	1:682:C:ILE:HG21	1:684:C:ILE:HA	10	1.07
(2,8)	1:682:C:ILE:HG22	1:684:C:ILE:HA	10	1.07
(2,8)	1:682:C:ILE:HG23	1:684:C:ILE:HA	10	1.07
(2,7)	1:682:C:ILE:HG21	1:684:C:ILE:HA	10	1.07
(2,7)	1:682:C:ILE:HG22	1:684:C:ILE:HA	10	1.07
(2,7)	1:682:C:ILE:HG23	1:684:C:ILE:HA	10	1.07
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	15	1.07
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	15	1.07
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	15	1.07
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	15	1.07
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	15	1.07
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	15	1.07
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	15	1.07
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	15	1.07
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	15	1.07
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	15	1.07
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	15	1.07
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	15	1.07
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	15	1.07
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	15	1.07
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	15	1.07
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	15	1.07
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	15	1.07
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	15	1.07
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	12	1.07
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	9	1.07
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	10	1.07
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	12	1.07

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	9	1.07
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	10	1.07
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	12	1.07
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	9	1.07
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	10	1.07
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	1.06
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	1.06
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	1.06
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	1.06
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	1.06
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	1.06
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	1	1.06
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	1	1.06
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	1	1.06
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	2	1.06
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	1	1.06
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	8	1.06
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	13	1.06
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	3	1.06
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	2	1.06
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	1	1.06
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	8	1.06
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	13	1.06
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	3	1.06
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	2	1.06
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	1	1.06
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	8	1.06
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	13	1.06
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	3	1.06
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	12	1.05
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	12	1.05
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	12	1.05
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	12	1.05
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	12	1.05
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	12	1.05
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	12	1.05
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	12	1.05
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	12	1.05
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	12	1.05
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	12	1.05
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	12	1.05
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	12	1.05

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	12	1.05
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	12	1.05
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	12	1.05
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	12	1.05
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	12	1.05
(2,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	6	1.05
(2,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	6	1.05
(2,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	6	1.05
(2,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	6	1.05
(2,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	6	1.05
(2,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	6	1.05
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	4	1.05
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	8	1.05
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	4	1.05
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	11	1.05
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	4	1.05
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	4	1.05
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	8	1.05
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	4	1.05
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	11	1.05
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	4	1.05
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	4	1.05
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	8	1.05
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	4	1.05
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	11	1.05
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	4	1.05
(2,1092)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	12	1.04
(2,765)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	12	1.04
(2,438)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	12	1.04
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	6	1.04
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	6	1.04
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	6	1.04
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	6	1.04
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	6	1.04
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	6	1.04
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	6	1.04
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	6	1.04
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	6	1.04
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	6	1.04
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	6	1.04
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	6	1.04
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	6	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	6	1.04
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	6	1.04
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	6	1.04
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	6	1.04
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	6	1.04
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	15	1.04
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	4	1.04
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	7	1.04
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	14	1.04
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	10	1.04
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	15	1.04
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	4	1.04
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	7	1.04
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	14	1.04
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	10	1.04
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	15	1.04
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	4	1.04
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	7	1.04
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	14	1.04
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	10	1.04
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	8	1.03
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	12	1.03
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	1	1.03
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	8	1.03
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	12	1.03
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	1	1.03
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	8	1.03
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	12	1.03
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	1	1.03
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	12	1.02
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	2	1.02
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	15	1.02
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	12	1.02
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	2	1.02
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	15	1.02
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	12	1.02
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	2	1.02
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	15	1.02
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	10	1.01
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	10	1.01
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	10	1.01
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	10	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	10	1.01
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	10	1.01
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	10	1.01
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	10	1.01
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	10	1.01
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	6	1.01
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	11	1.01
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	4	1.01
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	10	1.01
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	6	1.01
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	11	1.01
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	4	1.01
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	10	1.01
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	6	1.01
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	11	1.01
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	4	1.01
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	10	1.01
(2,1093)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	7	1.0
(2,766)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	7	1.0
(2,439)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	7	1.0
(2,27)	1:693:C:ILE:H	1:693:C:ILE:HG12	10	1.0
(2,27)	1:693:C:ILE:H	1:693:C:ILE:HG13	10	1.0
(2,26)	1:693:C:ILE:H	1:693:C:ILE:HG12	10	1.0
(2,26)	1:693:C:ILE:H	1:693:C:ILE:HG13	10	1.0
(2,25)	1:693:C:ILE:H	1:693:C:ILE:HG12	10	1.0
(2,25)	1:693:C:ILE:H	1:693:C:ILE:HG13	10	1.0
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	1	1.0
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	1	1.0
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	1	1.0
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH22	7	0.99
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH22	7	0.99
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH22	7	0.99
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	0.99
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	0.99
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	0.99
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	0.99
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	0.99
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	0.99
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	0.99
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	0.99
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	0.99
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	0.99

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	0.99
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	0.99
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	1	0.99
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	1	0.99
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	1	0.99
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	1	0.99
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	1	0.99
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	1	0.99
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	11	0.99
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	14	0.99
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	13	0.99
(1,53)	1:740:C:ARG:O	1:744:C:ARG:H	5	0.99
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	11	0.99
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	14	0.99
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	13	0.99
(1,27)	1:740:C:ARG:O	1:744:C:ARG:H	5	0.99
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	11	0.99
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	14	0.99
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	13	0.99
(1,1)	1:740:C:ARG:O	1:744:C:ARG:H	5	0.99
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	4	0.98
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	15	0.98
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	2	0.98
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	4	0.98
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	15	0.98
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	2	0.98
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	4	0.98
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	15	0.98
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	2	0.98
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	11	0.97
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	11	0.97
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	11	0.97
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.96
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.96
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.96
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.96
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.96
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.96
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	9	0.96
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	9	0.96
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	9	0.96
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	1	0.96

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	1	0.96
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	1	0.96
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	1	0.96
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	1	0.96
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	1	0.96
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	0.96
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	0.96
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	0.96
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	0.96
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	0.96
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	0.96
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	1	0.96
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	1	0.96
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	1	0.96
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	1	0.96
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	1	0.96
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	1	0.96
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	0.96
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	0.96
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	0.96
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	0.96
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	0.96
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	0.96
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	1	0.96
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	1	0.96
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	1	0.96
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	1	0.96
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	1	0.96
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	1	0.96
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	5	0.96
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	5	0.96
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	5	0.96
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	5	0.96
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	5	0.96
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	5	0.96
(1,64)	1:745:C:SER:O	1:749:C:VAL:N	11	0.96
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	7	0.96
(1,38)	1:745:C:SER:O	1:749:C:VAL:N	11	0.96
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	7	0.96
(1,12)	1:745:C:SER:O	1:749:C:VAL:N	11	0.96
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	7	0.96
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	9	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	9	0.95
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	9	0.95
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	9	0.95
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	9	0.95
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	9	0.95
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	9	0.95
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	9	0.95
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	9	0.95
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	9	0.95
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	9	0.95
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	9	0.95
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	9	0.95
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	9	0.95
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	9	0.95
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	9	0.95
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	9	0.95
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	9	0.95
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	6	0.95
(1,66)	1:746:C:ILE:O	1:750:C:ASN:N	14	0.95
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	5	0.95
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	6	0.95
(1,40)	1:746:C:ILE:O	1:750:C:ASN:N	14	0.95
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	5	0.95
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	6	0.95
(1,14)	1:746:C:ILE:O	1:750:C:ASN:N	14	0.95
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	5	0.95
(2,828)	1:697:C:ILE:HG21	1:698:C:VAL:HA	5	0.94
(2,828)	1:697:C:ILE:HG22	1:698:C:VAL:HA	5	0.94
(2,828)	1:697:C:ILE:HG23	1:698:C:VAL:HA	5	0.94
(2,501)	1:697:C:ILE:HG21	1:698:C:VAL:HA	5	0.94
(2,501)	1:697:C:ILE:HG22	1:698:C:VAL:HA	5	0.94
(2,501)	1:697:C:ILE:HG23	1:698:C:VAL:HA	5	0.94
(2,174)	1:697:C:ILE:HG21	1:698:C:VAL:HA	5	0.94
(2,174)	1:697:C:ILE:HG22	1:698:C:VAL:HA	5	0.94
(2,174)	1:697:C:ILE:HG23	1:698:C:VAL:HA	5	0.94
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	1	0.94
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	2	0.94
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	5	0.94
(1,54)	1:740:C:ARG:O	1:744:C:ARG:N	5	0.94
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	1	0.94
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	2	0.94
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	5	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,28)	1:740:C:ARG:O	1:744:C:ARG:N	5	0.94
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	1	0.94
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	2	0.94
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	5	0.94
(1,2)	1:740:C:ARG:O	1:744:C:ARG:N	5	0.94
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	14	0.93
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	15	0.93
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	14	0.93
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	15	0.93
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	14	0.93
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	15	0.93
(2,1093)	1:761:C:ARG:HH11	1:758:C:ASP:OD1	4	0.92
(2,766)	1:761:C:ARG:HH11	1:758:C:ASP:OD1	4	0.92
(2,439)	1:761:C:ARG:HH11	1:758:C:ASP:OD1	4	0.92
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	13	0.92
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	14	0.92
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	13	0.92
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	14	0.92
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	13	0.92
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	14	0.92
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	1	0.91
(2,33)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	1	0.91
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	1	0.91
(2,33)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	1	0.91
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	1	0.91
(2,33)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	1	0.91
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	1	0.91
(2,32)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	1	0.91
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	1	0.91
(2,32)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	1	0.91
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	1	0.91
(2,32)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	1	0.91
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH21	1	0.91
(2,31)	1:693:C:ILE:HD11	1:696:C:ARG:HH22	1	0.91
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH21	1	0.91
(2,31)	1:693:C:ILE:HD12	1:696:C:ARG:HH22	1	0.91
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH21	1	0.91
(2,31)	1:693:C:ILE:HD13	1:696:C:ARG:HH22	1	0.91
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	11	0.91
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	11	0.91
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	11	0.91
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	7	0.9

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	5	0.9
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	7	0.9
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	5	0.9
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	7	0.9
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	5	0.9
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	12	0.89
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	12	0.89
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	12	0.89
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	12	0.89
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	12	0.89
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	12	0.89
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	12	0.89
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	12	0.89
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	12	0.89
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	12	0.89
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	12	0.89
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	12	0.89
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	12	0.89
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	12	0.89
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	12	0.89
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	12	0.89
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	12	0.89
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	12	0.89
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.89
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.89
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.89
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.89
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.89
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.89
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.89
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.89
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.89
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.89
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.89
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.89
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.89
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.89
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.89
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.89
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.89
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.89
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	11	0.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	11	0.89
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	11	0.89
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	11	0.89
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	11	0.89
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	11	0.89
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	11	0.89
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	11	0.89
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	11	0.89
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	3	0.89
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	6	0.89
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	3	0.89
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	6	0.89
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	3	0.89
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	6	0.89
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	5	0.88
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	6	0.88
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	5	0.88
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	6	0.88
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	5	0.88
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	6	0.88
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	0.87
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	0.87
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	0.87
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	0.87
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	0.87
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	0.87
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	0.87
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	0.87
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	0.87
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	0.87
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	0.87
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	0.87
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	14	0.87
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	14	0.87
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	14	0.87
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	14	0.87
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	14	0.87
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	14	0.87
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	9	0.87
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	9	0.87
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	9	0.87
(1,61)	1:744:C:ARG:O	1:748:C:LEU:H	1	0.86

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,35)	1:744:C:ARG:O	1:748:C:LEU:H	1	0.86
(1,9)	1:744:C:ARG:O	1:748:C:LEU:H	1	0.86
(2,1091)	1:740:C:ARG:HH11	1:743:C:ASP:OD1	5	0.85
(2,764)	1:740:C:ARG:HH11	1:743:C:ASP:OD1	5	0.85
(2,437)	1:740:C:ARG:HH11	1:743:C:ASP:OD1	5	0.85
(2,1093)	1:761:C:ARG:HH21	1:758:C:ASP:OD1	8	0.84
(2,766)	1:761:C:ARG:HH21	1:758:C:ASP:OD1	8	0.84
(2,439)	1:761:C:ARG:HH21	1:758:C:ASP:OD1	8	0.84
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	9	0.84
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	9	0.84
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	9	0.84
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	9	0.84
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	9	0.84
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	9	0.84
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	9	0.84
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	9	0.84
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	9	0.84
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	9	0.84
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	9	0.84
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	9	0.84
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	9	0.84
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	9	0.84
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	9	0.84
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	9	0.84
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	9	0.84
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	9	0.84
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	0.84
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	0.84
(2,36)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	0.84
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	0.84
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	0.84
(2,35)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	0.84
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD21	12	0.84
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD22	12	0.84
(2,34)	1:694:C:GLY:H	1:692:C:LEU:HD23	12	0.84
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	13	0.84
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	13	0.84
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	13	0.84
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	9	0.83
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	9	0.83
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	9	0.83
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	7	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	2	0.82
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	4	0.82
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	7	0.82
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	2	0.82
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	4	0.82
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	7	0.82
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	2	0.82
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	4	0.82
(2,877)	1:705:C:VAL:HG11	1:706:C:ASN:HA	12	0.81
(2,877)	1:705:C:VAL:HG12	1:706:C:ASN:HA	12	0.81
(2,877)	1:705:C:VAL:HG13	1:706:C:ASN:HA	12	0.81
(2,550)	1:705:C:VAL:HG11	1:706:C:ASN:HA	12	0.81
(2,550)	1:705:C:VAL:HG12	1:706:C:ASN:HA	12	0.81
(2,550)	1:705:C:VAL:HG13	1:706:C:ASN:HA	12	0.81
(2,223)	1:705:C:VAL:HG11	1:706:C:ASN:HA	12	0.81
(2,223)	1:705:C:VAL:HG12	1:706:C:ASN:HA	12	0.81
(2,223)	1:705:C:VAL:HG13	1:706:C:ASN:HA	12	0.81
(2,877)	1:705:C:VAL:HG11	1:706:C:ASN:HA	3	0.8
(2,877)	1:705:C:VAL:HG12	1:706:C:ASN:HA	3	0.8
(2,877)	1:705:C:VAL:HG13	1:706:C:ASN:HA	3	0.8
(2,550)	1:705:C:VAL:HG11	1:706:C:ASN:HA	3	0.8
(2,550)	1:705:C:VAL:HG12	1:706:C:ASN:HA	3	0.8
(2,550)	1:705:C:VAL:HG13	1:706:C:ASN:HA	3	0.8
(2,223)	1:705:C:VAL:HG11	1:706:C:ASN:HA	3	0.8
(2,223)	1:705:C:VAL:HG12	1:706:C:ASN:HA	3	0.8
(2,223)	1:705:C:VAL:HG13	1:706:C:ASN:HA	3	0.8
(2,877)	1:705:C:VAL:HG11	1:706:C:ASN:HA	9	0.78
(2,877)	1:705:C:VAL:HG12	1:706:C:ASN:HA	9	0.78
(2,877)	1:705:C:VAL:HG13	1:706:C:ASN:HA	9	0.78
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH22	3	0.78
(2,550)	1:705:C:VAL:HG11	1:706:C:ASN:HA	9	0.78
(2,550)	1:705:C:VAL:HG12	1:706:C:ASN:HA	9	0.78
(2,550)	1:705:C:VAL:HG13	1:706:C:ASN:HA	9	0.78
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH22	3	0.78
(2,223)	1:705:C:VAL:HG11	1:706:C:ASN:HA	9	0.78
(2,223)	1:705:C:VAL:HG12	1:706:C:ASN:HA	9	0.78
(2,223)	1:705:C:VAL:HG13	1:706:C:ASN:HA	9	0.78
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH22	3	0.78
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	11	0.78
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	13	0.78
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	10	0.78
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	11	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	13	0.78
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	10	0.78
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	11	0.78
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	13	0.78
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	10	0.78
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	6	0.77
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	6	0.77
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	6	0.77
(2,1093)	1:761:C:ARG:HH21	1:758:C:ASP:OD1	10	0.76
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.76
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH21	10	0.76
(2,766)	1:761:C:ARG:HH21	1:758:C:ASP:OD1	10	0.76
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.76
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH21	10	0.76
(2,439)	1:761:C:ARG:HH21	1:758:C:ASP:OD1	10	0.76
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	7	0.76
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH21	10	0.76
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	12	0.76
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	12	0.76
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	12	0.76
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	0.75
(2,6)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	0.75
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	0.75
(2,6)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	0.75
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	0.75
(2,6)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	0.75
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	0.75
(2,5)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	0.75
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	0.75
(2,5)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	0.75
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	0.75
(2,5)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	0.75
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD2	12	0.75
(2,4)	1:682:C:ILE:HG21	1:683:C:ARG:HD3	12	0.75
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD2	12	0.75
(2,4)	1:682:C:ILE:HG22	1:683:C:ARG:HD3	12	0.75
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD2	12	0.75
(2,4)	1:682:C:ILE:HG23	1:683:C:ARG:HD3	12	0.75
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD2	13	0.74
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD3	13	0.74
(2,877)	1:705:C:VAL:HG11	1:706:C:ASN:HA	11	0.74
(2,877)	1:705:C:VAL:HG12	1:706:C:ASN:HA	11	0.74

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,877)	1:705:C:VAL:HG13	1:706:C:ASN:HA	11	0.74
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.74
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD2	13	0.74
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD3	13	0.74
(2,550)	1:705:C:VAL:HG11	1:706:C:ASN:HA	11	0.74
(2,550)	1:705:C:VAL:HG12	1:706:C:ASN:HA	11	0.74
(2,550)	1:705:C:VAL:HG13	1:706:C:ASN:HA	11	0.74
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.74
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD2	13	0.74
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD3	13	0.74
(2,223)	1:705:C:VAL:HG11	1:706:C:ASN:HA	11	0.74
(2,223)	1:705:C:VAL:HG12	1:706:C:ASN:HA	11	0.74
(2,223)	1:705:C:VAL:HG13	1:706:C:ASN:HA	11	0.74
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HE3	12	0.74
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	5	0.73
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	5	0.73
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	5	0.73
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	5	0.73
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	5	0.73
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	5	0.73
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	5	0.73
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	5	0.73
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	5	0.73
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	5	0.73
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	5	0.73
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	5	0.73
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	5	0.73
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	5	0.73
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	5	0.73
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	5	0.73
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	5	0.73
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	5	0.73
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	0.73
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	0.73
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	0.73
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	0.73
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	0.73
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	0.73
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	0.73
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	0.73
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	0.73
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	0.73
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	0.73
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	0.73
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	0.73
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	0.73
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	0.73
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	0.73
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	0.73
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	1	0.73
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	1	0.73
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	1	0.73
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	1	0.73
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	1	0.73
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	1	0.73
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	1	0.73
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	1	0.73
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	1	0.73
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	0.73
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	0.73
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	0.73
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	0.73
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	0.73
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	0.73
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	0.73
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	0.73
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	0.73
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	0.73
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	0.73
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	0.73
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	8	0.73
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	8	0.73
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	8	0.73
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	8	0.73
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	8	0.73
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	8	0.73
(2,1093)	1:761:C:ARG:HH12	1:758:C:ASP:OD2	15	0.72
(2,766)	1:761:C:ARG:HH12	1:758:C:ASP:OD2	15	0.72
(2,439)	1:761:C:ARG:HH12	1:758:C:ASP:OD2	15	0.72
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	0.72
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	0.72
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	0.72
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	0.72
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	0.72
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	0.72
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	0.72
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	0.72
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	0.72
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	0.72
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	0.72
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	0.72
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	0.72
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	0.72
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	0.72
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	0.72
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	0.72
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	8	0.72
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	8	0.72
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	8	0.72
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	8	0.72
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	8	0.72
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	8	0.72
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	8	0.72
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	8	0.72
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	8	0.72
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	10	0.72
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	3	0.72
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	10	0.72
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	3	0.72
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	10	0.72
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	3	0.72
(2,1091)	1:740:C:ARG:HH12	1:743:C:ASP:OD2	14	0.71
(2,826)	1:696:C:ARG:H	1:696:C:ARG:HE	10	0.71
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	1	0.71
(2,764)	1:740:C:ARG:HH12	1:743:C:ASP:OD2	14	0.71
(2,499)	1:696:C:ARG:H	1:696:C:ARG:HE	10	0.71
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	1	0.71
(2,437)	1:740:C:ARG:HH12	1:743:C:ASP:OD2	14	0.71
(2,172)	1:696:C:ARG:H	1:696:C:ARG:HE	10	0.71
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	1	0.71
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	7	0.71
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	7	0.71
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	7	0.71
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	7	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	7	0.71
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	7	0.71
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	7	0.71
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	7	0.71
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	7	0.71
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	7	0.71
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	7	0.71
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	7	0.71
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	7	0.71
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	7	0.71
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	7	0.71
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	7	0.71
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	7	0.71
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	7	0.71
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	1	0.71
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	1	0.71
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	1	0.71
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	13	0.7
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	13	0.7
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	13	0.7
(2,1093)	1:761:C:ARG:HH12	1:758:C:ASP:OD1	12	0.69
(2,766)	1:761:C:ARG:HH12	1:758:C:ASP:OD1	12	0.69
(2,439)	1:761:C:ARG:HH12	1:758:C:ASP:OD1	12	0.69
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	4	0.69
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	4	0.69
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	4	0.69
(2,1093)	1:761:C:ARG:HH22	1:758:C:ASP:OD1	3	0.68
(2,766)	1:761:C:ARG:HH22	1:758:C:ASP:OD1	3	0.68
(2,439)	1:761:C:ARG:HH22	1:758:C:ASP:OD1	3	0.68
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	0.68
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	0.68
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	0.68
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	0.68
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	0.68
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	0.68
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	0.68
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	0.68
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	0.68
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	4	0.68
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	4	0.68
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	4	0.68
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	4	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	4	0.68
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	4	0.68
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	4	0.68
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	4	0.68
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	4	0.68
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	0.68
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	0.68
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	0.68
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	0.68
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	0.68
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	0.68
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	0.68
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	0.68
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	0.68
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	4	0.68
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	4	0.68
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	4	0.68
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	4	0.68
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	4	0.68
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	4	0.68
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	4	0.68
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	4	0.68
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	4	0.68
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	3	0.68
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	3	0.68
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	3	0.68
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	3	0.68
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	3	0.68
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	3	0.68
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	3	0.68
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	3	0.68
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	3	0.68
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	4	0.68
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	4	0.68
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	4	0.68
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	4	0.68
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	4	0.68
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	4	0.68
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	4	0.68
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	4	0.68
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	4	0.68
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	8	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	8	0.68
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	8	0.68
(2,1092)	1:744:C:ARG:HH22	1:741:C:ASP:OD1	2	0.66
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.66
(2,765)	1:744:C:ARG:HH22	1:741:C:ASP:OD1	2	0.66
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.66
(2,438)	1:744:C:ARG:HH22	1:741:C:ASP:OD1	2	0.66
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	10	0.66
(1,73)	1:755:C:LEU:O	1:759:C:ASP:H	3	0.66
(1,47)	1:755:C:LEU:O	1:759:C:ASP:H	3	0.66
(1,21)	1:755:C:LEU:O	1:759:C:ASP:H	3	0.66
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD2	12	0.65
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD3	12	0.65
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD2	12	0.65
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD3	12	0.65
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD2	12	0.65
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD3	12	0.65
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	2	0.65
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	2	0.65
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	2	0.65
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HE3	3	0.64
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HE3	3	0.64
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HE3	3	0.64
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	12	0.62
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	12	0.62
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	12	0.62
(2,1093)	1:761:C:ARG:HH22	1:758:C:ASP:OD1	13	0.61
(2,766)	1:761:C:ARG:HH22	1:758:C:ASP:OD1	13	0.61
(2,439)	1:761:C:ARG:HH22	1:758:C:ASP:OD1	13	0.61
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	11	0.61
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	15	0.61
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	11	0.61
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	15	0.61
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	11	0.61
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	15	0.61
(2,919)	1:710:C:GLN:H	1:710:C:GLN:HB3	3	0.6
(2,592)	1:710:C:GLN:H	1:710:C:GLN:HB3	3	0.6
(2,265)	1:710:C:GLN:H	1:710:C:GLN:HB3	3	0.6
(2,1095)	1:780:C:ARG:HH22	1:783:C:GLU:OE2	14	0.59
(2,809)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	1	0.59
(2,768)	1:780:C:ARG:HH22	1:783:C:GLU:OE2	14	0.59
(2,482)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	1	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,441)	1:780:C:ARG:HH22	1:783:C:GLU:OE2	14	0.59
(2,155)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	1	0.59
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	15	0.59
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	15	0.59
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	15	0.59
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	15	0.59
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	15	0.59
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	15	0.59
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	15	0.59
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	15	0.59
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	15	0.59
(1,74)	1:755:C:LEU:O	1:759:C:ASP:N	3	0.59
(1,48)	1:755:C:LEU:O	1:759:C:ASP:N	3	0.59
(1,22)	1:755:C:LEU:O	1:759:C:ASP:N	3	0.59
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	6	0.58
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	6	0.58
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	6	0.58
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	12	0.58
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	12	0.58
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	12	0.58
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	12	0.58
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	12	0.58
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	12	0.58
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	12	0.58
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	0.58
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	0.58
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	12	0.58
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	12	0.58
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	12	0.58
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	12	0.58
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	12	0.58
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	12	0.58
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	12	0.58
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	0.58
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	0.58
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	12	0.58
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	12	0.58
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	12	0.58
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	12	0.58
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	12	0.58
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	12	0.58
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	12	0.58

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	12	0.58
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	12	0.58
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.57
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.57
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.57
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.57
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	13	0.57
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.57
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.57
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.57
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.57
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	13	0.57
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	10	0.57
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	15	0.57
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	15	0.57
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	15	0.57
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	13	0.57
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	0.57
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	0.57
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	0.57
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	0.57
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	0.57
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	0.57
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	0.57
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	0.57
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	0.57
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	0.57
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	0.57
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	0.57
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	0.57
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	0.57
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	0.57
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	0.57
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	0.57
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	0.57
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	10	0.57
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	10	0.57
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	10	0.57
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	10	0.57
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	10	0.57
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	10	0.57
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	10	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	10	0.57
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	10	0.57
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	9	0.56
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	4	0.56
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	4	0.56
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	4	0.56
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.56
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.56
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.56
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	9	0.56
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	4	0.56
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	4	0.56
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	4	0.56
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.56
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.56
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.56
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	9	0.56
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	4	0.56
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	4	0.56
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	4	0.56
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	15	0.56
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	15	0.56
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	15	0.56
(2,1093)	1:761:C:ARG:HH22	1:758:C:ASP:OD2	14	0.55
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.55
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.55
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.55
(2,766)	1:761:C:ARG:HH22	1:758:C:ASP:OD2	14	0.55
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.55
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.55
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.55
(2,439)	1:761:C:ARG:HH22	1:758:C:ASP:OD2	14	0.55
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	13	0.55
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	13	0.55
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	13	0.55
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	6	0.55
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	6	0.55
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	6	0.55
(2,1095)	1:780:C:ARG:HH21	1:783:C:GLU:OE2	10	0.54
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.54
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.54
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.54
(2,768)	1:780:C:ARG:HH21	1:783:C:GLU:OE2	10	0.54
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.54
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.54
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.54
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.54
(2,441)	1:780:C:ARG:HH21	1:783:C:GLU:OE2	10	0.54
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	15	0.54
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	3	0.54
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	3	0.54
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	3	0.54
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	5	0.54
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	5	0.54
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	5	0.54
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	5	0.54
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	5	0.54
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	5	0.54
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	5	0.54
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	5	0.54
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	5	0.54
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	5	0.54
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	5	0.54
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	5	0.54
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	5	0.54
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	5	0.54
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	5	0.54
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	5	0.54
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	5	0.54
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	5	0.54
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	5	0.54
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	5	0.54
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	5	0.54
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	5	0.54
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	5	0.54
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	5	0.54
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	5	0.54
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	5	0.54
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	5	0.54
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	8	0.53
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	6	0.53
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	8	0.53
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	6	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	8	0.53
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	6	0.53
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	0.53
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	0.53
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	0.53
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	0.53
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	0.53
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	0.53
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	0.53
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	0.53
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	0.53
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	0.53
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	0.53
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	0.53
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	0.53
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	0.53
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	0.53
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	0.53
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	0.53
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	0.53
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	7	0.53
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	7	0.53
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	7	0.53
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	7	0.53
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	7	0.53
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	7	0.53
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	7	0.53
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	7	0.53
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	7	0.53
(2,1095)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	8	0.52
(2,1094)	1:770:C:ARG:HH11	1:773:C:ASP:OD1	14	0.52
(2,1093)	1:761:C:ARG:HH11	1:758:C:ASP:OD2	6	0.52
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.52
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.52
(2,880)	1:705:C:VAL:HG21	1:702:C:LEU:HG	11	0.52
(2,880)	1:705:C:VAL:HG22	1:702:C:LEU:HG	11	0.52
(2,880)	1:705:C:VAL:HG23	1:702:C:LEU:HG	11	0.52
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.52
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.52
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.52
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	4	0.52
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.52
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.52
(2,768)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	8	0.52
(2,767)	1:770:C:ARG:HH11	1:773:C:ASP:OD1	14	0.52
(2,766)	1:761:C:ARG:HH11	1:758:C:ASP:OD2	6	0.52
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.52
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.52
(2,553)	1:705:C:VAL:HG21	1:702:C:LEU:HG	11	0.52
(2,553)	1:705:C:VAL:HG22	1:702:C:LEU:HG	11	0.52
(2,553)	1:705:C:VAL:HG23	1:702:C:LEU:HG	11	0.52
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.52
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.52
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.52
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	4	0.52
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.52
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.52
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.52
(2,441)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	8	0.52
(2,440)	1:770:C:ARG:HH11	1:773:C:ASP:OD1	14	0.52
(2,439)	1:761:C:ARG:HH11	1:758:C:ASP:OD2	6	0.52
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	3	0.52
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	11	0.52
(2,226)	1:705:C:VAL:HG21	1:702:C:LEU:HG	11	0.52
(2,226)	1:705:C:VAL:HG22	1:702:C:LEU:HG	11	0.52
(2,226)	1:705:C:VAL:HG23	1:702:C:LEU:HG	11	0.52
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	8	0.52
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	8	0.52
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	8	0.52
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	4	0.52
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	2	0.52
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	2	0.52
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	2	0.52
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	0.52
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	0.52
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	0.52
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	0.52
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	0.52
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	0.52
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	0.52
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	0.52
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	0.52
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	0.52
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	0.52
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	11	0.52
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	11	0.52
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	11	0.52
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	11	0.52
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	11	0.52
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	11	0.52
(1,59)	1:743:C:ASP:O	1:747:C:ARG:H	8	0.52
(1,33)	1:743:C:ASP:O	1:747:C:ARG:H	8	0.52
(1,7)	1:743:C:ASP:O	1:747:C:ARG:H	8	0.52
(2,919)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.51
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.51
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.51
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.51
(2,826)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.51
(2,592)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.51
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.51
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.51
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.51
(2,499)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.51
(2,265)	1:710:C:GLN:H	1:710:C:GLN:HB3	2	0.51
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	1	0.51
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	5	0.51
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	14	0.51
(2,172)	1:696:C:ARG:H	1:696:C:ARG:HE	7	0.51
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	11	0.51
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	11	0.51
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	11	0.51
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	11	0.51
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	11	0.51
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	11	0.51
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	11	0.51
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	11	0.51
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	11	0.51
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	11	0.51
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	11	0.51
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	11	0.51
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	11	0.51
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	11	0.51
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	11	0.51
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	11	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	11	0.51
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	11	0.51
(2,1095)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	13	0.5
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	8	0.5
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	8	0.5
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	8	0.5
(2,833)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	5	0.5
(2,833)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	5	0.5
(2,833)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	5	0.5
(2,833)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	5	0.5
(2,833)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	5	0.5
(2,833)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	5	0.5
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.5
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.5
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.5
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.5
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.5
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.5
(2,768)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	13	0.5
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	8	0.5
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	8	0.5
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	8	0.5
(2,506)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	5	0.5
(2,506)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	5	0.5
(2,506)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	5	0.5
(2,506)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	5	0.5
(2,506)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	5	0.5
(2,506)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	5	0.5
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.5
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.5
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.5
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.5
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.5
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.5
(2,441)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	13	0.5
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	8	0.5
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	8	0.5
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	8	0.5
(2,179)	1:698:C:VAL:HG11	1:702:C:LEU:HB2	5	0.5
(2,179)	1:698:C:VAL:HG11	1:702:C:LEU:HB3	5	0.5
(2,179)	1:698:C:VAL:HG12	1:702:C:LEU:HB2	5	0.5
(2,179)	1:698:C:VAL:HG12	1:702:C:LEU:HB3	5	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,179)	1:698:C:VAL:HG13	1:702:C:LEU:HB2	5	0.5
(2,179)	1:698:C:VAL:HG13	1:702:C:LEU:HB3	5	0.5
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	12	0.5
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	12	0.5
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	12	0.5
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	1	0.5
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	1	0.5
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	1	0.5
(2,1095)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	2	0.49
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	14	0.49
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	7	0.49
(2,832)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	5	0.49
(2,832)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	5	0.49
(2,832)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	5	0.49
(2,832)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	5	0.49
(2,832)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	5	0.49
(2,832)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	5	0.49
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.49
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.49
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.49
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.49
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.49
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.49
(2,768)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	2	0.49
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	14	0.49
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	7	0.49
(2,505)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	5	0.49
(2,505)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	5	0.49
(2,505)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	5	0.49
(2,505)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	5	0.49
(2,505)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	5	0.49
(2,505)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	5	0.49
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.49
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.49
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.49
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.49
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.49
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.49
(2,441)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	2	0.49
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	14	0.49
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	7	0.49
(2,178)	1:698:C:VAL:HG11	1:699:C:PHE:HD1	5	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,178)	1:698:C:VAL:HG11	1:699:C:PHE:HD2	5	0.49
(2,178)	1:698:C:VAL:HG12	1:699:C:PHE:HD1	5	0.49
(2,178)	1:698:C:VAL:HG12	1:699:C:PHE:HD2	5	0.49
(2,178)	1:698:C:VAL:HG13	1:699:C:PHE:HD1	5	0.49
(2,178)	1:698:C:VAL:HG13	1:699:C:PHE:HD2	5	0.49
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	3	0.49
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	3	0.49
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	3	0.49
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	12	0.49
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	12	0.49
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	12	0.49
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	5	0.49
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	5	0.49
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	5	0.49
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	5	0.49
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	5	0.49
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	5	0.49
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	5	0.49
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	5	0.49
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	5	0.49
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	5	0.49
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	5	0.49
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	5	0.49
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	5	0.49
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	5	0.49
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	5	0.49
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	5	0.49
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	5	0.49
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	5	0.49
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	6	0.49
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	6	0.49
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	6	0.49
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	6	0.49
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	6	0.49
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	6	0.49
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	6	0.49
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	0.49
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	0.49
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	6	0.49
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	6	0.49
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	6	0.49
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	6	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	6	0.49
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	6	0.49
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	6	0.49
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	0.49
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	0.49
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	6	0.49
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	6	0.49
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	6	0.49
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	6	0.49
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	6	0.49
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	6	0.49
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	6	0.49
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	6	0.49
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	6	0.49
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	1	0.49
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	1	0.49
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	1	0.49
(2,1091)	1:740:C:ARG:HH11	1:743:C:ASP:OD2	1	0.48
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	5	0.48
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	12	0.48
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	4	0.48
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	4	0.48
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.48
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.48
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	5	0.48
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	5	0.48
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	5	0.48
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.48
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.48
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.48
(2,764)	1:740:C:ARG:HH11	1:743:C:ASP:OD2	1	0.48
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	5	0.48
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	12	0.48
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	4	0.48
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	4	0.48
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.48
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.48
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	5	0.48
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	5	0.48
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	5	0.48
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.48
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.48
(2,437)	1:740:C:ARG:HH11	1:743:C:ASP:OD2	1	0.48
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	5	0.48
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	12	0.48
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	4	0.48
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	4	0.48
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	9	0.48
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	10	0.48
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	5	0.48
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	5	0.48
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	5	0.48
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	8	0.48
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	8	0.48
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	8	0.48
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	0.48
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	0.48
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	0.48
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	0.48
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	0.48
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	0.48
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	0.48
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	0.48
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	0.48
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	0.48
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	0.48
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	0.48
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	0.48
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	0.48
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	0.48
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	0.48
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	0.48
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	0.48
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	2	0.48
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	2	0.48
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	2	0.48
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	2	0.48
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	2	0.48
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	2	0.48
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	2	0.48
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	2	0.48
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	2	0.48
(2,920)	1:710:C:GLN:H	1:710:C:GLN:HB2	7	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.47
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.47
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.47
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	12	0.47
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	11	0.47
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	11	0.47
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	11	0.47
(2,593)	1:710:C:GLN:H	1:710:C:GLN:HB2	7	0.47
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.47
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.47
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.47
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	12	0.47
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	11	0.47
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	11	0.47
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	11	0.47
(2,266)	1:710:C:GLN:H	1:710:C:GLN:HB2	7	0.47
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	1	0.47
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	10	0.47
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	10	0.47
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	12	0.47
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	11	0.47
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	11	0.47
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	11	0.47
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	3	0.47
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	3	0.47
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	3	0.47
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	3	0.47
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	3	0.47
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	3	0.47
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	3	0.47
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	3	0.47
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	3	0.47
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	3	0.47
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	3	0.47
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	3	0.47
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	3	0.47
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	3	0.47
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	3	0.47
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	3	0.47
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	3	0.47
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	3	0.47
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	14	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	5	0.46
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	15	0.46
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	15	0.46
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	15	0.46
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.46
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.46
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.46
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.46
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.46
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.46
(2,783)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	13	0.46
(2,783)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	13	0.46
(2,783)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	13	0.46
(2,783)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	13	0.46
(2,783)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	13	0.46
(2,783)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	13	0.46
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	5	0.46
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	14	0.46
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	5	0.46
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	15	0.46
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	15	0.46
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	15	0.46
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.46
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.46
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.46
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.46
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.46
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.46
(2,456)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	13	0.46
(2,456)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	13	0.46
(2,456)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	13	0.46
(2,456)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	13	0.46
(2,456)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	13	0.46
(2,456)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	13	0.46
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	5	0.46
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	14	0.46
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	5	0.46
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	15	0.46
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	15	0.46
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	15	0.46
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	1	0.46
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	1	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	1	0.46
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	2	0.46
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	2	0.46
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	2	0.46
(2,129)	1:684:C:ILE:HD11	1:683:C:ARG:HD2	13	0.46
(2,129)	1:684:C:ILE:HD11	1:683:C:ARG:HD3	13	0.46
(2,129)	1:684:C:ILE:HD12	1:683:C:ARG:HD2	13	0.46
(2,129)	1:684:C:ILE:HD12	1:683:C:ARG:HD3	13	0.46
(2,129)	1:684:C:ILE:HD13	1:683:C:ARG:HD2	13	0.46
(2,129)	1:684:C:ILE:HD13	1:683:C:ARG:HD3	13	0.46
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	5	0.46
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	3	0.46
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	3	0.46
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	3	0.46
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	3	0.46
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	3	0.46
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	3	0.46
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	3	0.46
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	3	0.46
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	3	0.46
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	3	0.46
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	3	0.46
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	3	0.46
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	3	0.46
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	3	0.46
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	3	0.46
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	3	0.46
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	3	0.46
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	3	0.46
(1,62)	1:744:C:ARG:O	1:748:C:LEU:N	1	0.46
(1,36)	1:744:C:ARG:O	1:748:C:LEU:N	1	0.46
(1,10)	1:744:C:ARG:O	1:748:C:LEU:N	1	0.46
(2,1094)	1:770:C:ARG:HH11	1:773:C:ASP:OD1	4	0.45
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	7	0.45
(2,919)	1:710:C:GLN:H	1:710:C:GLN:HB3	10	0.45
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	8	0.45
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	8	0.45
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	8	0.45
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	7	0.45
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	7	0.45
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	14	0.45
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	14	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	14	0.45
(2,809)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	14	0.45
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.45
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.45
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.45
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.45
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.45
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.45
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.45
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.45
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.45
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.45
(2,767)	1:770:C:ARG:HH11	1:773:C:ASP:OD1	4	0.45
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	7	0.45
(2,592)	1:710:C:GLN:H	1:710:C:GLN:HB3	10	0.45
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	8	0.45
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	8	0.45
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	8	0.45
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	7	0.45
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	7	0.45
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	14	0.45
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	14	0.45
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	14	0.45
(2,482)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	14	0.45
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.45
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.45
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.45
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.45
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.45
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.45
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.45
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.45
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.45
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.45
(2,440)	1:770:C:ARG:HH11	1:773:C:ASP:OD1	4	0.45
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	7	0.45
(2,265)	1:710:C:GLN:H	1:710:C:GLN:HB3	10	0.45
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	8	0.45
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	8	0.45
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	8	0.45
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	7	0.45
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	7	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	14	0.45
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	14	0.45
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	14	0.45
(2,155)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	14	0.45
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	10	0.45
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	10	0.45
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	10	0.45
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	10	0.45
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	10	0.45
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	10	0.45
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	15	0.45
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	10	0.45
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	10	0.45
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	10	0.45
(2,1092)	1:744:C:ARG:HH22	1:741:C:ASP:OD2	11	0.44
(2,984)	1:757:C:TRP:HE1	1:753:C:LEU:HG	7	0.44
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.44
(2,830)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.44
(2,830)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.44
(2,830)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.44
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	5	0.44
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	5	0.44
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	5	0.44
(2,777)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	9	0.44
(2,777)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	9	0.44
(2,777)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	9	0.44
(2,777)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	9	0.44
(2,777)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	9	0.44
(2,777)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	9	0.44
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	14	0.44
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	14	0.44
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	14	0.44
(2,765)	1:744:C:ARG:HH22	1:741:C:ASP:OD2	11	0.44
(2,657)	1:757:C:TRP:HE1	1:753:C:LEU:HG	7	0.44
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.44
(2,503)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.44
(2,503)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.44
(2,503)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.44
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	5	0.44
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	5	0.44
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	5	0.44
(2,450)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	9	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,450)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	9	0.44
(2,450)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	9	0.44
(2,450)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	9	0.44
(2,450)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	9	0.44
(2,450)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	9	0.44
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	14	0.44
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	14	0.44
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	14	0.44
(2,438)	1:744:C:ARG:HH22	1:741:C:ASP:OD2	11	0.44
(2,330)	1:757:C:TRP:HE1	1:753:C:LEU:HG	7	0.44
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	11	0.44
(2,176)	1:698:C:VAL:HG11	1:695:C:LEU:HA	8	0.44
(2,176)	1:698:C:VAL:HG12	1:695:C:LEU:HA	8	0.44
(2,176)	1:698:C:VAL:HG13	1:695:C:LEU:HA	8	0.44
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	5	0.44
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	5	0.44
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	5	0.44
(2,123)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	9	0.44
(2,123)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	9	0.44
(2,123)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	9	0.44
(2,123)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	9	0.44
(2,123)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	9	0.44
(2,123)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	9	0.44
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	14	0.44
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	14	0.44
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	14	0.44
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	8	0.44
(2,57)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	8	0.44
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	8	0.44
(2,57)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	8	0.44
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	8	0.44
(2,57)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	8	0.44
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	8	0.44
(2,56)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	8	0.44
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	8	0.44
(2,56)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	8	0.44
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	8	0.44
(2,56)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	8	0.44
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB2	8	0.44
(2,55)	1:708:C:VAL:HG21	1:712:C:TYR:HB3	8	0.44
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB2	8	0.44
(2,55)	1:708:C:VAL:HG22	1:712:C:TYR:HB3	8	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB2	8	0.44
(2,55)	1:708:C:VAL:HG23	1:712:C:TYR:HB3	8	0.44
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	8	0.43
(2,1009)	1:773:C:ASP:H	1:770:C:ARG:HD2	10	0.43
(2,1009)	1:773:C:ASP:H	1:770:C:ARG:HD3	10	0.43
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	7	0.43
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	7	0.43
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	5	0.43
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.43
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.43
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.43
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.43
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.43
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.43
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.43
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.43
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.43
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.43
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.43
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.43
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.43
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.43
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.43
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.43
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.43
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.43
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.43
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	8	0.43
(2,682)	1:773:C:ASP:H	1:770:C:ARG:HD2	10	0.43
(2,682)	1:773:C:ASP:H	1:770:C:ARG:HD3	10	0.43
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	7	0.43
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	7	0.43
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	5	0.43
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.43
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.43
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.43
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.43
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.43
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.43
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.43
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.43
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.43
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.43
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.43
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.43
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.43
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.43
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.43
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.43
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.43
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.43
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	8	0.43
(2,355)	1:773:C:ASP:H	1:770:C:ARG:HD2	10	0.43
(2,355)	1:773:C:ASP:H	1:770:C:ARG:HD3	10	0.43
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	7	0.43
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	7	0.43
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	5	0.43
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	12	0.43
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	10	0.43
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	10	0.43
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	10	0.43
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	12	0.43
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	12	0.43
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	12	0.43
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	7	0.43
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	7	0.43
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	7	0.43
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	7	0.43
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	7	0.43
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	7	0.43
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	6	0.43
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	6	0.43
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	6	0.43
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	13	0.43
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	13	0.43
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	13	0.43
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD11	6	0.43
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD12	6	0.43
(2,39)	1:696:C:ARG:H	1:693:C:ILE:HD13	6	0.43
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD11	6	0.43
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD12	6	0.43
(2,38)	1:696:C:ARG:H	1:693:C:ILE:HD13	6	0.43
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD11	6	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD12	6	0.43
(2,37)	1:696:C:ARG:H	1:693:C:ILE:HD13	6	0.43
(2,1092)	1:744:C:ARG:HH11	1:741:C:ASP:OD2	13	0.42
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	15	0.42
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	15	0.42
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	15	0.42
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	11	0.42
(2,919)	1:710:C:GLN:H	1:710:C:GLN:HB3	14	0.42
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	1	0.42
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	1	0.42
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	1	0.42
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.42
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.42
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.42
(2,765)	1:744:C:ARG:HH11	1:741:C:ASP:OD2	13	0.42
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	15	0.42
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	15	0.42
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	15	0.42
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	11	0.42
(2,592)	1:710:C:GLN:H	1:710:C:GLN:HB3	14	0.42
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	1	0.42
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	1	0.42
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	1	0.42
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.42
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.42
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.42
(2,438)	1:744:C:ARG:HH11	1:741:C:ASP:OD2	13	0.42
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	15	0.42
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	15	0.42
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	15	0.42
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	11	0.42
(2,265)	1:710:C:GLN:H	1:710:C:GLN:HB3	14	0.42
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	1	0.42
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	1	0.42
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	1	0.42
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	9	0.42
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	9	0.42
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	9	0.42
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.42
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.42
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.42
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.42
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.42
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.42
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.42
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.42
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.42
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.42
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.42
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.42
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.42
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.42
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.42
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.42
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.42
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	14	0.42
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	14	0.42
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	14	0.42
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	14	0.42
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	14	0.42
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	14	0.42
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	14	0.42
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	14	0.42
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	14	0.42
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.41
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.41
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.41
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	6	0.41
(2,826)	1:696:C:ARG:H	1:696:C:ARG:HE	12	0.41
(2,809)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	13	0.41
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	2	0.41
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	4	0.41
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	4	0.41
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	4	0.41
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.41
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.41
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.41
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	6	0.41
(2,499)	1:696:C:ARG:H	1:696:C:ARG:HE	12	0.41
(2,482)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	13	0.41
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	2	0.41
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	4	0.41
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	4	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	4	0.41
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	4	0.41
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	6	0.41
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	13	0.41
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	6	0.41
(2,172)	1:696:C:ARG:H	1:696:C:ARG:HE	12	0.41
(2,155)	1:692:C:LEU:HD11	1:696:C:ARG:HH11	13	0.41
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	2	0.41
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	4	0.41
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	4	0.41
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	4	0.41
(2,1092)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	7	0.4
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	3	0.4
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.4
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	10	0.4
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	15	0.4
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	15	0.4
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	8	0.4
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	6	0.4
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	6	0.4
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	6	0.4
(2,809)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	8	0.4
(2,765)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	7	0.4
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	3	0.4
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.4
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	10	0.4
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	15	0.4
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	15	0.4
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	8	0.4
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	6	0.4
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	6	0.4
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	6	0.4
(2,482)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	8	0.4
(2,438)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	7	0.4
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	3	0.4
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	15	0.4
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	10	0.4
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	15	0.4
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	15	0.4
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	8	0.4
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	6	0.4
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	6	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	6	0.4
(2,155)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	8	0.4
(1,75)	1:756:C:ILE:O	1:760:C:LEU:H	6	0.4
(1,49)	1:756:C:ILE:O	1:760:C:LEU:H	6	0.4
(1,23)	1:756:C:ILE:O	1:760:C:LEU:H	6	0.4
(2,1095)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	12	0.39
(2,1092)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	3	0.39
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	6	0.39
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	11	0.39
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	11	0.39
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	9	0.39
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	9	0.39
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	12	0.39
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	12	0.39
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	12	0.39
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	4	0.39
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	12	0.39
(2,919)	1:710:C:GLN:H	1:710:C:GLN:HB3	8	0.39
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	6	0.39
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	6	0.39
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	6	0.39
(2,880)	1:705:C:VAL:HG21	1:702:C:LEU:HG	12	0.39
(2,880)	1:705:C:VAL:HG22	1:702:C:LEU:HG	12	0.39
(2,880)	1:705:C:VAL:HG23	1:702:C:LEU:HG	12	0.39
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.39
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.39
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.39
(2,768)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	12	0.39
(2,765)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	3	0.39
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	6	0.39
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	11	0.39
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	11	0.39
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	9	0.39
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	9	0.39
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	12	0.39
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	12	0.39
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	12	0.39
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	4	0.39
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	12	0.39
(2,592)	1:710:C:GLN:H	1:710:C:GLN:HB3	8	0.39
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	6	0.39
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	6	0.39
(2,553)	1:705:C:VAL:HG21	1:702:C:LEU:HG	12	0.39
(2,553)	1:705:C:VAL:HG22	1:702:C:LEU:HG	12	0.39
(2,553)	1:705:C:VAL:HG23	1:702:C:LEU:HG	12	0.39
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.39
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.39
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.39
(2,441)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	12	0.39
(2,438)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	3	0.39
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	6	0.39
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	11	0.39
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	11	0.39
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	9	0.39
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	9	0.39
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	12	0.39
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	12	0.39
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	12	0.39
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	4	0.39
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	12	0.39
(2,265)	1:710:C:GLN:H	1:710:C:GLN:HB3	8	0.39
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	6	0.39
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	6	0.39
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	6	0.39
(2,226)	1:705:C:VAL:HG21	1:702:C:LEU:HG	12	0.39
(2,226)	1:705:C:VAL:HG22	1:702:C:LEU:HG	12	0.39
(2,226)	1:705:C:VAL:HG23	1:702:C:LEU:HG	12	0.39
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	14	0.39
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	14	0.39
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	14	0.39
(2,1094)	1:770:C:ARG:HH21	1:773:C:ASP:OD2	12	0.38
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	4	0.38
(2,977)	1:755:C:LEU:H	1:752:C:SER:HA	14	0.38
(2,948)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	12	0.38
(2,948)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	12	0.38
(2,948)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	12	0.38
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	5	0.38
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	5	0.38
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	5	0.38
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.38
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.38
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.38
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.38
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.38
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.38
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.38
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.38
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	2	0.38
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	2	0.38
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	2	0.38
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	7	0.38
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	7	0.38
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	7	0.38
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB2	5	0.38
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB3	5	0.38
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB2	5	0.38
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB3	5	0.38
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB2	5	0.38
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB3	5	0.38
(2,767)	1:770:C:ARG:HH21	1:773:C:ASP:OD2	12	0.38
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	4	0.38
(2,650)	1:755:C:LEU:H	1:752:C:SER:HA	14	0.38
(2,621)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	12	0.38
(2,621)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	12	0.38
(2,621)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	12	0.38
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	5	0.38
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	5	0.38
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	5	0.38
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.38
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.38
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.38
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.38
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.38
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.38
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.38
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.38
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.38
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	2	0.38
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	2	0.38
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	2	0.38
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	7	0.38
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	7	0.38
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	7	0.38
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB2	5	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB3	5	0.38
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB2	5	0.38
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB3	5	0.38
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB2	5	0.38
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB3	5	0.38
(2,440)	1:770:C:ARG:HH21	1:773:C:ASP:OD2	12	0.38
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	4	0.38
(2,323)	1:755:C:LEU:H	1:752:C:SER:HA	14	0.38
(2,294)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	12	0.38
(2,294)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	12	0.38
(2,294)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	12	0.38
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	5	0.38
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	5	0.38
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	5	0.38
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	15	0.38
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	15	0.38
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	15	0.38
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	13	0.38
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	13	0.38
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	13	0.38
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	13	0.38
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	13	0.38
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	13	0.38
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	2	0.38
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	2	0.38
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	2	0.38
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	7	0.38
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	7	0.38
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	7	0.38
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB2	5	0.38
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB3	5	0.38
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB2	5	0.38
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB3	5	0.38
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB2	5	0.38
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB3	5	0.38
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	12	0.37
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	9	0.37
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	9	0.37
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	9	0.37
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	9	0.37
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	9	0.37
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	9	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,880)	1:705:C:VAL:HG21	1:702:C:LEU:HG	3	0.37
(2,880)	1:705:C:VAL:HG22	1:702:C:LEU:HG	3	0.37
(2,880)	1:705:C:VAL:HG23	1:702:C:LEU:HG	3	0.37
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.37
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.37
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.37
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.37
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.37
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.37
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.37
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.37
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.37
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.37
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.37
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.37
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.37
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.37
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.37
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	12	0.37
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	9	0.37
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	9	0.37
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	9	0.37
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	9	0.37
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	9	0.37
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	9	0.37
(2,553)	1:705:C:VAL:HG21	1:702:C:LEU:HG	3	0.37
(2,553)	1:705:C:VAL:HG22	1:702:C:LEU:HG	3	0.37
(2,553)	1:705:C:VAL:HG23	1:702:C:LEU:HG	3	0.37
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.37
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.37
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.37
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.37
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.37
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.37
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.37
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.37
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.37
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.37
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.37
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.37
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.37
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.37
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	12	0.37
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	9	0.37
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	9	0.37
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	9	0.37
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	9	0.37
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	9	0.37
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	9	0.37
(2,226)	1:705:C:VAL:HG21	1:702:C:LEU:HG	3	0.37
(2,226)	1:705:C:VAL:HG22	1:702:C:LEU:HG	3	0.37
(2,226)	1:705:C:VAL:HG23	1:702:C:LEU:HG	3	0.37
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	8	0.37
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	8	0.37
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	8	0.37
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	4	0.37
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	4	0.37
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	4	0.37
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	15	0.37
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	15	0.37
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	15	0.37
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	7	0.37
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	7	0.37
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	7	0.37
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	7	0.37
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	7	0.37
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	7	0.37
(2,1093)	1:761:C:ARG:HH22	1:758:C:ASP:OD2	9	0.36
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	7	0.36
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	7	0.36
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	7	0.36
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	7	0.36
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	7	0.36
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	7	0.36
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.36
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	1	0.36
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	1	0.36
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	1	0.36
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	1	0.36
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	1	0.36
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	1	0.36
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.36
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.36
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	1	0.36
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	1	0.36
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	1	0.36
(2,809)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	9	0.36
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.36
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.36
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.36
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.36
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.36
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.36
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.36
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.36
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.36
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.36
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.36
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.36
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.36
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.36
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.36
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.36
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.36
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.36
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	7	0.36
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	8	0.36
(2,766)	1:761:C:ARG:HH22	1:758:C:ASP:OD2	9	0.36
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	7	0.36
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	7	0.36
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	7	0.36
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	7	0.36
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	7	0.36
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	7	0.36
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.36
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	1	0.36
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	1	0.36
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	1	0.36
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	1	0.36
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	1	0.36
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	1	0.36
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.36
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.36
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	1	0.36
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	1	0.36
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	1	0.36
(2,482)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	9	0.36
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.36
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.36
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.36
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.36
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.36
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.36
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.36
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.36
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.36
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.36
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.36
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.36
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.36
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.36
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.36
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.36
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.36
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.36
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	7	0.36
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	8	0.36
(2,439)	1:761:C:ARG:HH22	1:758:C:ASP:OD2	9	0.36
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	7	0.36
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	7	0.36
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	7	0.36
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	7	0.36
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	7	0.36
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	7	0.36
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	8	0.36
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	1	0.36
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	1	0.36
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	1	0.36
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	1	0.36
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	1	0.36
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	1	0.36
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	10	0.36
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	10	0.36
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	10	0.36
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	1	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	1	0.36
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	1	0.36
(2,155)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	9	0.36
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	6	0.36
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	6	0.36
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	6	0.36
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	11	0.36
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	11	0.36
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	11	0.36
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	2	0.36
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	2	0.36
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	2	0.36
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	2	0.36
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	2	0.36
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	2	0.36
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	14	0.36
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	14	0.36
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	14	0.36
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	14	0.36
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	14	0.36
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	14	0.36
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	7	0.36
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	8	0.36
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.36
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.36
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.36
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.36
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.36
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.36
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.36
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.36
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.36
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.36
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.36
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.36
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.36
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.36
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.36
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.36
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.36
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.36
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	15	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	15	0.36
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	15	0.36
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	15	0.36
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	15	0.36
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	15	0.36
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	15	0.36
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	15	0.36
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	15	0.36
(2,1095)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	3	0.35
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	1	0.35
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	15	0.35
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	15	0.35
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.35
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.35
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.35
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.35
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.35
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.35
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	7	0.35
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	7	0.35
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	7	0.35
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	3	0.35
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	3	0.35
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	3	0.35
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	3	0.35
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	3	0.35
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	3	0.35
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	3	0.35
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	3	0.35
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	3	0.35
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.35
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.35
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.35
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.35
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.35
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.35
(2,798)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.35
(2,798)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.35
(2,798)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.35
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	11	0.35
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	11	0.35
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.35
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.35
(2,768)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	3	0.35
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	1	0.35
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	15	0.35
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	15	0.35
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.35
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.35
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.35
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.35
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.35
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.35
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	7	0.35
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	7	0.35
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	7	0.35
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	3	0.35
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	3	0.35
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	3	0.35
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	3	0.35
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	3	0.35
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	3	0.35
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	3	0.35
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	3	0.35
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	3	0.35
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.35
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.35
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.35
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.35
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.35
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.35
(2,471)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.35
(2,471)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.35
(2,471)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.35
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	11	0.35
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	11	0.35
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	11	0.35
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.35
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.35
(2,441)	1:780:C:ARG:HH21	1:783:C:GLU:OE1	3	0.35
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	1	0.35
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	15	0.35
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	15	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	1	0.35
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	1	0.35
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	1	0.35
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	11	0.35
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	11	0.35
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	11	0.35
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	7	0.35
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	7	0.35
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	7	0.35
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	3	0.35
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	3	0.35
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	3	0.35
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	3	0.35
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	3	0.35
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	3	0.35
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	3	0.35
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	3	0.35
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	3	0.35
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	3	0.35
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	3	0.35
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	3	0.35
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	5	0.35
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	5	0.35
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	5	0.35
(2,144)	1:687:C:ILE:HG21	1:691:C:SER:HG	11	0.35
(2,144)	1:687:C:ILE:HG22	1:691:C:SER:HG	11	0.35
(2,144)	1:687:C:ILE:HG23	1:691:C:SER:HG	11	0.35
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	11	0.35
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	11	0.35
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	11	0.35
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	4	0.35
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	15	0.35
(2,1094)	1:770:C:ARG:HH21	1:773:C:ASP:OD1	1	0.34
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	9	0.34
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	13	0.34
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	1	0.34
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	1	0.34
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	1	0.34
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	8	0.34
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	8	0.34
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	8	0.34
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,913)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.34
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	9	0.34
(2,870)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	6	0.34
(2,870)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	6	0.34
(2,870)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	6	0.34
(2,870)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	6	0.34
(2,870)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	6	0.34
(2,870)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	6	0.34
(2,870)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	6	0.34
(2,870)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	6	0.34
(2,870)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	6	0.34
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	3	0.34
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	3	0.34
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	3	0.34
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	14	0.34
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	14	0.34
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	14	0.34
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	13	0.34
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	13	0.34
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	13	0.34
(2,811)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	5	0.34
(2,811)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	5	0.34
(2,811)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	5	0.34
(2,811)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	5	0.34
(2,811)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	5	0.34
(2,811)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	5	0.34
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.34
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.34
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.34
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.34
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.34
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.34
(2,767)	1:770:C:ARG:HH21	1:773:C:ASP:OD1	1	0.34
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	9	0.34
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	13	0.34
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	1	0.34
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	1	0.34
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	1	0.34
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	8	0.34
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	8	0.34
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	8	0.34
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,586)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.34
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	9	0.34
(2,543)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	6	0.34
(2,543)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	6	0.34
(2,543)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	6	0.34
(2,543)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	6	0.34
(2,543)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	6	0.34
(2,543)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	6	0.34
(2,543)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	6	0.34
(2,543)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	6	0.34
(2,543)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	6	0.34
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	3	0.34
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	3	0.34
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	3	0.34
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	14	0.34
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	14	0.34
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	14	0.34
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	13	0.34
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	13	0.34
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	13	0.34
(2,484)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	5	0.34
(2,484)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	5	0.34
(2,484)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	5	0.34
(2,484)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	5	0.34
(2,484)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	5	0.34
(2,484)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	5	0.34
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.34
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.34
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.34
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.34
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.34
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.34
(2,440)	1:770:C:ARG:HH21	1:773:C:ASP:OD1	1	0.34
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	9	0.34
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	13	0.34
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	1	0.34
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	1	0.34
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	1	0.34
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	8	0.34
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	8	0.34
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	8	0.34
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,259)	1:709:C:ARG:HE	1:709:C:ARG:H	13	0.34
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	9	0.34
(2,216)	1:704:C:LEU:HD11	1:708:C:VAL:HG21	6	0.34
(2,216)	1:704:C:LEU:HD11	1:708:C:VAL:HG22	6	0.34
(2,216)	1:704:C:LEU:HD11	1:708:C:VAL:HG23	6	0.34
(2,216)	1:704:C:LEU:HD12	1:708:C:VAL:HG21	6	0.34
(2,216)	1:704:C:LEU:HD12	1:708:C:VAL:HG22	6	0.34
(2,216)	1:704:C:LEU:HD12	1:708:C:VAL:HG23	6	0.34
(2,216)	1:704:C:LEU:HD13	1:708:C:VAL:HG21	6	0.34
(2,216)	1:704:C:LEU:HD13	1:708:C:VAL:HG22	6	0.34
(2,216)	1:704:C:LEU:HD13	1:708:C:VAL:HG23	6	0.34
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	3	0.34
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	3	0.34
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	3	0.34
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	14	0.34
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	14	0.34
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	14	0.34
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	13	0.34
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	13	0.34
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	13	0.34
(2,157)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	5	0.34
(2,157)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	5	0.34
(2,157)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	5	0.34
(2,157)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	5	0.34
(2,157)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	5	0.34
(2,157)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	5	0.34
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	2	0.34
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	2	0.34
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	2	0.34
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	2	0.34
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	2	0.34
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	2	0.34
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	0.34
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	0.34
(2,18)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	0.34
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	0.34
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	0.34
(2,18)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	0.34
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	0.34
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	0.34
(2,18)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	0.34
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	0.34
(2,17)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	0.34
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	0.34
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	0.34
(2,17)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	0.34
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	0.34
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	0.34
(2,17)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	0.34
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG21	9	0.34
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG22	9	0.34
(2,16)	1:687:C:ILE:HG21	1:689:C:VAL:HG23	9	0.34
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG21	9	0.34
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG22	9	0.34
(2,16)	1:687:C:ILE:HG22	1:689:C:VAL:HG23	9	0.34
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG21	9	0.34
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG22	9	0.34
(2,16)	1:687:C:ILE:HG23	1:689:C:VAL:HG23	9	0.34
(1,76)	1:756:C:ILE:O	1:760:C:LEU:N	6	0.34
(1,50)	1:756:C:ILE:O	1:760:C:LEU:N	6	0.34
(1,24)	1:756:C:ILE:O	1:760:C:LEU:N	6	0.34
(2,1091)	1:740:C:ARG:HH21	1:743:C:ASP:OD1	8	0.33
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	8	0.33
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	12	0.33
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	12	0.33
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	6	0.33
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	6	0.33
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	6	0.33
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	3	0.33
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	9	0.33
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.33
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.33
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.33
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.33
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.33
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	3	0.33
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	3	0.33
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	3	0.33
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	3	0.33
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	3	0.33
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	3	0.33
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	3	0.33
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	3	0.33
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	6	0.33
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	6	0.33
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	6	0.33
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	4	0.33
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	4	0.33
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	4	0.33
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	4	0.33
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	4	0.33
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	4	0.33
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	15	0.33
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	15	0.33
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	15	0.33
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	15	0.33
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	15	0.33
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	15	0.33
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.33
(2,764)	1:740:C:ARG:HH21	1:743:C:ASP:OD1	8	0.33
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	8	0.33
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	12	0.33
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	12	0.33
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	6	0.33
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	6	0.33
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	6	0.33
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	3	0.33
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	9	0.33
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.33
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.33
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.33
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.33
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.33
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	3	0.33
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	3	0.33
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	3	0.33
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	3	0.33
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	3	0.33
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	3	0.33
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	3	0.33
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	3	0.33
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	3	0.33
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	6	0.33
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	6	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	6	0.33
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	4	0.33
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	4	0.33
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	4	0.33
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	4	0.33
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	4	0.33
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	4	0.33
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	15	0.33
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	15	0.33
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	15	0.33
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	15	0.33
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	15	0.33
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	15	0.33
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.33
(2,437)	1:740:C:ARG:HH21	1:743:C:ASP:OD1	8	0.33
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	8	0.33
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	12	0.33
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	12	0.33
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	6	0.33
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	6	0.33
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	6	0.33
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	3	0.33
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	9	0.33
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	8	0.33
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	3	0.33
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	11	0.33
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	11	0.33
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	11	0.33
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	3	0.33
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	3	0.33
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	3	0.33
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	3	0.33
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	3	0.33
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	3	0.33
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	3	0.33
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	3	0.33
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	3	0.33
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	6	0.33
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	6	0.33
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	6	0.33
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	4	0.33
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	4	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	4	0.33
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	4	0.33
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	4	0.33
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	4	0.33
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	15	0.33
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	15	0.33
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	15	0.33
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	15	0.33
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	15	0.33
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	15	0.33
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	2	0.33
(1,69)	1:753:C:LEU:O	1:757:C:TRP:H	14	0.33
(1,43)	1:753:C:LEU:O	1:757:C:TRP:H	14	0.33
(1,17)	1:753:C:LEU:O	1:757:C:TRP:H	14	0.33
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	14	0.32
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	14	0.32
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	7	0.32
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	7	0.32
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	7	0.32
(2,920)	1:710:C:GLN:H	1:710:C:GLN:HB2	2	0.32
(2,920)	1:710:C:GLN:H	1:710:C:GLN:HB2	9	0.32
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	8	0.32
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	8	0.32
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.32
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.32
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.32
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.32
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.32
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.32
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.32
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.32
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.32
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.32
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.32
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.32
(2,816)	1:693:C:ILE:HG21	1:696:C:ARG:HG2	1	0.32
(2,816)	1:693:C:ILE:HG21	1:696:C:ARG:HG3	1	0.32
(2,816)	1:693:C:ILE:HG22	1:696:C:ARG:HG2	1	0.32
(2,816)	1:693:C:ILE:HG22	1:696:C:ARG:HG3	1	0.32
(2,816)	1:693:C:ILE:HG23	1:696:C:ARG:HG2	1	0.32
(2,816)	1:693:C:ILE:HG23	1:696:C:ARG:HG3	1	0.32
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	2	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	9	0.32
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	9	0.32
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	9	0.32
(2,785)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.32
(2,785)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.32
(2,785)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.32
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.32
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.32
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.32
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.32
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.32
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.32
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	11	0.32
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	11	0.32
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	11	0.32
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	11	0.32
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	11	0.32
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	11	0.32
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.32
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.32
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	14	0.32
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	14	0.32
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	7	0.32
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	7	0.32
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	7	0.32
(2,593)	1:710:C:GLN:H	1:710:C:GLN:HB2	2	0.32
(2,593)	1:710:C:GLN:H	1:710:C:GLN:HB2	9	0.32
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	8	0.32
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	8	0.32
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.32
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.32
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.32
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.32
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.32
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.32
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.32
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.32
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.32
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.32
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.32
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.32
(2,489)	1:693:C:ILE:HG21	1:696:C:ARG:HG2	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,489)	1:693:C:ILE:HG21	1:696:C:ARG:HG3	1	0.32
(2,489)	1:693:C:ILE:HG22	1:696:C:ARG:HG2	1	0.32
(2,489)	1:693:C:ILE:HG22	1:696:C:ARG:HG3	1	0.32
(2,489)	1:693:C:ILE:HG23	1:696:C:ARG:HG2	1	0.32
(2,489)	1:693:C:ILE:HG23	1:696:C:ARG:HG3	1	0.32
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	2	0.32
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	9	0.32
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	9	0.32
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	9	0.32
(2,458)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.32
(2,458)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.32
(2,458)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.32
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.32
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.32
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.32
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.32
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.32
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.32
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	11	0.32
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	11	0.32
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	11	0.32
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	11	0.32
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	11	0.32
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	11	0.32
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.32
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.32
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	14	0.32
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	14	0.32
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	7	0.32
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	7	0.32
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	7	0.32
(2,266)	1:710:C:GLN:H	1:710:C:GLN:HB2	2	0.32
(2,266)	1:710:C:GLN:H	1:710:C:GLN:HB2	9	0.32
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	8	0.32
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	8	0.32
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	3	0.32
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	3	0.32
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	3	0.32
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	3	0.32
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	3	0.32
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	3	0.32
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	7	0.32
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	7	0.32
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	7	0.32
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	7	0.32
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	7	0.32
(2,162)	1:693:C:ILE:HG21	1:696:C:ARG:HG2	1	0.32
(2,162)	1:693:C:ILE:HG21	1:696:C:ARG:HG3	1	0.32
(2,162)	1:693:C:ILE:HG22	1:696:C:ARG:HG2	1	0.32
(2,162)	1:693:C:ILE:HG22	1:696:C:ARG:HG3	1	0.32
(2,162)	1:693:C:ILE:HG23	1:696:C:ARG:HG2	1	0.32
(2,162)	1:693:C:ILE:HG23	1:696:C:ARG:HG3	1	0.32
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	2	0.32
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	9	0.32
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	9	0.32
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	9	0.32
(2,131)	1:684:C:ILE:HG21	1:681:C:TYR:HA	9	0.32
(2,131)	1:684:C:ILE:HG22	1:681:C:TYR:HA	9	0.32
(2,131)	1:684:C:ILE:HG23	1:681:C:TYR:HA	9	0.32
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	8	0.32
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	8	0.32
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	8	0.32
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	8	0.32
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	8	0.32
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	8	0.32
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	11	0.32
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	11	0.32
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	11	0.32
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	11	0.32
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	11	0.32
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	11	0.32
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	3	0.32
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	10	0.32
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	1	0.32
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	1	0.32
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	1	0.32
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	1	0.32
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	1	0.32
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	1	0.32
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	1	0.32
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	1	0.32
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	1	0.32
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	1	0.32
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	1	0.32
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	1	0.32
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	1	0.32
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	1	0.32
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	1	0.32
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	1	0.32
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	1	0.32
(1,67)	1:747:C:ARG:O	1:751:C:GLY:H	7	0.32
(1,41)	1:747:C:ARG:O	1:751:C:GLY:H	7	0.32
(1,15)	1:747:C:ARG:O	1:751:C:GLY:H	7	0.32
(2,1095)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	6	0.31
(2,1093)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	2	0.31
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	11	0.31
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	3	0.31
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	3	0.31
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	3	0.31
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	3	0.31
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	3	0.31
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	3	0.31
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	3	0.31
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	3	0.31
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	9	0.31
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	9	0.31
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	9	0.31
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	9	0.31
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	9	0.31
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	9	0.31
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.31
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.31
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.31
(2,777)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	4	0.31
(2,777)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	4	0.31
(2,777)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	4	0.31
(2,777)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	4	0.31
(2,777)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	4	0.31
(2,777)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	4	0.31
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.31
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.31
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.31
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.31
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.31
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.31
(2,768)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	6	0.31
(2,766)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	2	0.31
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	11	0.31
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	3	0.31
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	3	0.31
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	3	0.31
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	3	0.31
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	3	0.31
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	3	0.31
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	3	0.31
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	3	0.31
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	9	0.31
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	9	0.31
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	9	0.31
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	9	0.31
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	9	0.31
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	9	0.31
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.31
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.31
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.31
(2,450)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	4	0.31
(2,450)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	4	0.31
(2,450)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	4	0.31
(2,450)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	4	0.31
(2,450)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	4	0.31
(2,450)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	4	0.31
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.31
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.31
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.31
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.31
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.31
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.31
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.31
(2,441)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	6	0.31
(2,439)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	2	0.31
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	11	0.31
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	3	0.31
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	3	0.31
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	3	0.31
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	3	0.31
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	3	0.31
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	3	0.31
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	3	0.31
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	9	0.31
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	9	0.31
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	9	0.31
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	9	0.31
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	9	0.31
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	9	0.31
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	13	0.31
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	13	0.31
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	13	0.31
(2,123)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	4	0.31
(2,123)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	4	0.31
(2,123)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	4	0.31
(2,123)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	4	0.31
(2,123)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	4	0.31
(2,123)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	4	0.31
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	8	0.31
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	8	0.31
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	8	0.31
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	8	0.31
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	8	0.31
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	8	0.31
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	6	0.31
(2,1004)	1:771:C:LEU:HD11	1:764:C:SER:HA	1	0.3
(2,1004)	1:771:C:LEU:HD12	1:764:C:SER:HA	1	0.3
(2,1004)	1:771:C:LEU:HD13	1:764:C:SER:HA	1	0.3
(2,974)	1:754:C:ALA:HB1	1:753:C:LEU:HD21	7	0.3
(2,974)	1:754:C:ALA:HB1	1:753:C:LEU:HD22	7	0.3
(2,974)	1:754:C:ALA:HB1	1:753:C:LEU:HD23	7	0.3
(2,974)	1:754:C:ALA:HB2	1:753:C:LEU:HD21	7	0.3
(2,974)	1:754:C:ALA:HB2	1:753:C:LEU:HD22	7	0.3
(2,974)	1:754:C:ALA:HB2	1:753:C:LEU:HD23	7	0.3
(2,974)	1:754:C:ALA:HB3	1:753:C:LEU:HD21	7	0.3
(2,974)	1:754:C:ALA:HB3	1:753:C:LEU:HD22	7	0.3
(2,974)	1:754:C:ALA:HB3	1:753:C:LEU:HD23	7	0.3
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	1	0.3
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.3
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD11	10	0.3
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD12	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD13	10	0.3
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD21	10	0.3
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD22	10	0.3
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD23	10	0.3
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	13	0.3
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	13	0.3
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	12	0.3
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	12	0.3
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.3
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.3
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.3
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.3
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.3
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.3
(2,880)	1:705:C:VAL:HG21	1:702:C:LEU:HG	9	0.3
(2,880)	1:705:C:VAL:HG22	1:702:C:LEU:HG	9	0.3
(2,880)	1:705:C:VAL:HG23	1:702:C:LEU:HG	9	0.3
(2,800)	1:688:C:ILE:HG21	1:692:C:LEU:HG	13	0.3
(2,800)	1:688:C:ILE:HG22	1:692:C:LEU:HG	13	0.3
(2,800)	1:688:C:ILE:HG23	1:692:C:LEU:HG	13	0.3
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.3
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.3
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.3
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.3
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.3
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.3
(2,677)	1:771:C:LEU:HD11	1:764:C:SER:HA	1	0.3
(2,677)	1:771:C:LEU:HD12	1:764:C:SER:HA	1	0.3
(2,677)	1:771:C:LEU:HD13	1:764:C:SER:HA	1	0.3
(2,647)	1:754:C:ALA:HB1	1:753:C:LEU:HD21	7	0.3
(2,647)	1:754:C:ALA:HB1	1:753:C:LEU:HD22	7	0.3
(2,647)	1:754:C:ALA:HB1	1:753:C:LEU:HD23	7	0.3
(2,647)	1:754:C:ALA:HB2	1:753:C:LEU:HD21	7	0.3
(2,647)	1:754:C:ALA:HB2	1:753:C:LEU:HD22	7	0.3
(2,647)	1:754:C:ALA:HB2	1:753:C:LEU:HD23	7	0.3
(2,647)	1:754:C:ALA:HB3	1:753:C:LEU:HD21	7	0.3
(2,647)	1:754:C:ALA:HB3	1:753:C:LEU:HD22	7	0.3
(2,647)	1:754:C:ALA:HB3	1:753:C:LEU:HD23	7	0.3
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	1	0.3
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.3
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD11	10	0.3
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD12	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD13	10	0.3
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD21	10	0.3
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD22	10	0.3
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD23	10	0.3
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	13	0.3
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	13	0.3
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	12	0.3
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	12	0.3
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.3
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.3
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.3
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.3
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.3
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.3
(2,553)	1:705:C:VAL:HG21	1:702:C:LEU:HG	9	0.3
(2,553)	1:705:C:VAL:HG22	1:702:C:LEU:HG	9	0.3
(2,553)	1:705:C:VAL:HG23	1:702:C:LEU:HG	9	0.3
(2,473)	1:688:C:ILE:HG21	1:692:C:LEU:HG	13	0.3
(2,473)	1:688:C:ILE:HG22	1:692:C:LEU:HG	13	0.3
(2,473)	1:688:C:ILE:HG23	1:692:C:LEU:HG	13	0.3
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.3
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.3
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.3
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.3
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.3
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.3
(2,350)	1:771:C:LEU:HD11	1:764:C:SER:HA	1	0.3
(2,350)	1:771:C:LEU:HD12	1:764:C:SER:HA	1	0.3
(2,350)	1:771:C:LEU:HD13	1:764:C:SER:HA	1	0.3
(2,320)	1:754:C:ALA:HB1	1:753:C:LEU:HD21	7	0.3
(2,320)	1:754:C:ALA:HB1	1:753:C:LEU:HD22	7	0.3
(2,320)	1:754:C:ALA:HB1	1:753:C:LEU:HD23	7	0.3
(2,320)	1:754:C:ALA:HB2	1:753:C:LEU:HD21	7	0.3
(2,320)	1:754:C:ALA:HB2	1:753:C:LEU:HD22	7	0.3
(2,320)	1:754:C:ALA:HB2	1:753:C:LEU:HD23	7	0.3
(2,320)	1:754:C:ALA:HB3	1:753:C:LEU:HD21	7	0.3
(2,320)	1:754:C:ALA:HB3	1:753:C:LEU:HD22	7	0.3
(2,320)	1:754:C:ALA:HB3	1:753:C:LEU:HD23	7	0.3
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	1	0.3
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	15	0.3
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD11	10	0.3
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD12	10	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD13	10	0.3
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD21	10	0.3
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD22	10	0.3
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD23	10	0.3
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	13	0.3
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	13	0.3
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	12	0.3
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	12	0.3
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	9	0.3
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	9	0.3
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	9	0.3
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	9	0.3
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	9	0.3
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	9	0.3
(2,226)	1:705:C:VAL:HG21	1:702:C:LEU:HG	9	0.3
(2,226)	1:705:C:VAL:HG22	1:702:C:LEU:HG	9	0.3
(2,226)	1:705:C:VAL:HG23	1:702:C:LEU:HG	9	0.3
(2,146)	1:688:C:ILE:HG21	1:692:C:LEU:HG	13	0.3
(2,146)	1:688:C:ILE:HG22	1:692:C:LEU:HG	13	0.3
(2,146)	1:688:C:ILE:HG23	1:692:C:LEU:HG	13	0.3
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	13	0.3
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	13	0.3
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	13	0.3
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	13	0.3
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	13	0.3
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	13	0.3
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	12	0.3
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.3
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.3
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.3
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.3
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.3
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	12	0.3
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.3
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.3
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.3
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.3
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.3
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	12	0.3
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	12	0.3
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	12	0.3
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	12	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	12	0.3
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	12	0.3
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.3
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.3
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.3
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.3
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.3
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.3
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.3
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.3
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.3
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.3
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.3
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.3
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	3	0.3
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	3	0.3
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	3	0.3
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	3	0.3
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	3	0.3
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	3	0.3
(2,1091)	1:740:C:ARG:HH21	1:743:C:ASP:OD1	2	0.29
(2,1086)	1:786:C:GLY:H	1:782:C:VAL:HA	4	0.29
(2,1086)	1:786:C:GLY:H	1:782:C:VAL:HA	7	0.29
(2,1071)	1:784:C:LEU:H	1:781:C:ILE:HA	15	0.29
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	1	0.29
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	12	0.29
(2,1042)	1:778:C:VAL:HG21	1:775:C:LEU:HA	3	0.29
(2,1042)	1:778:C:VAL:HG22	1:775:C:LEU:HA	3	0.29
(2,1042)	1:778:C:VAL:HG23	1:775:C:LEU:HA	3	0.29
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	10	0.29
(2,957)	1:749:C:VAL:H	1:746:C:ILE:HA	7	0.29
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.29
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.29
(2,948)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	15	0.29
(2,948)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	15	0.29
(2,948)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	15	0.29
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	2	0.29
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	2	0.29
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	2	0.29
(2,946)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	7	0.29
(2,946)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	7	0.29
(2,946)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,946)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	7	0.29
(2,946)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	7	0.29
(2,946)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	7	0.29
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	9	0.29
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	1	0.29
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	5	0.29
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	5	0.29
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	5	0.29
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	5	0.29
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	5	0.29
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	5	0.29
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.29
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	13	0.29
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	13	0.29
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	13	0.29
(2,830)	1:698:C:VAL:HG11	1:695:C:LEU:HA	3	0.29
(2,830)	1:698:C:VAL:HG12	1:695:C:LEU:HA	3	0.29
(2,830)	1:698:C:VAL:HG13	1:695:C:LEU:HA	3	0.29
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.29
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.29
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.29
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.29
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.29
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.29
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	14	0.29
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	14	0.29
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	14	0.29
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.29
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.29
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.29
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.29
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.29
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.29
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.29
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.29
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.29
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.29
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.29
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.29
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.29
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.29
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,777)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	15	0.29
(2,777)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	15	0.29
(2,777)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	15	0.29
(2,777)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	15	0.29
(2,777)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	15	0.29
(2,777)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	15	0.29
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.29
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.29
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.29
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.29
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.29
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.29
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.29
(2,764)	1:740:C:ARG:HH21	1:743:C:ASP:OD1	2	0.29
(2,759)	1:786:C:GLY:H	1:782:C:VAL:HA	4	0.29
(2,759)	1:786:C:GLY:H	1:782:C:VAL:HA	7	0.29
(2,744)	1:784:C:LEU:H	1:781:C:ILE:HA	15	0.29
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	1	0.29
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	12	0.29
(2,715)	1:778:C:VAL:HG21	1:775:C:LEU:HA	3	0.29
(2,715)	1:778:C:VAL:HG22	1:775:C:LEU:HA	3	0.29
(2,715)	1:778:C:VAL:HG23	1:775:C:LEU:HA	3	0.29
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	10	0.29
(2,630)	1:749:C:VAL:H	1:746:C:ILE:HA	7	0.29
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.29
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.29
(2,621)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	15	0.29
(2,621)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	15	0.29
(2,621)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	15	0.29
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	2	0.29
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	2	0.29
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	2	0.29
(2,619)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	7	0.29
(2,619)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	7	0.29
(2,619)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	7	0.29
(2,619)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	7	0.29
(2,619)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	7	0.29
(2,619)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	7	0.29
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	9	0.29
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	1	0.29
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	5	0.29
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	5	0.29
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	5	0.29
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	5	0.29
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	5	0.29
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.29
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	13	0.29
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	13	0.29
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	13	0.29
(2,503)	1:698:C:VAL:HG11	1:695:C:LEU:HA	3	0.29
(2,503)	1:698:C:VAL:HG12	1:695:C:LEU:HA	3	0.29
(2,503)	1:698:C:VAL:HG13	1:695:C:LEU:HA	3	0.29
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.29
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.29
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.29
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.29
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.29
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.29
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	14	0.29
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	14	0.29
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	14	0.29
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.29
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.29
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.29
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.29
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.29
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.29
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.29
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.29
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.29
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.29
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.29
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.29
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.29
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.29
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.29
(2,450)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	15	0.29
(2,450)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	15	0.29
(2,450)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	15	0.29
(2,450)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	15	0.29
(2,450)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	15	0.29
(2,450)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	15	0.29
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.29
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.29
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.29
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.29
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.29
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.29
(2,437)	1:740:C:ARG:HH21	1:743:C:ASP:OD1	2	0.29
(2,432)	1:786:C:GLY:H	1:782:C:VAL:HA	4	0.29
(2,432)	1:786:C:GLY:H	1:782:C:VAL:HA	7	0.29
(2,417)	1:784:C:LEU:H	1:781:C:ILE:HA	15	0.29
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	1	0.29
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	12	0.29
(2,388)	1:778:C:VAL:HG21	1:775:C:LEU:HA	3	0.29
(2,388)	1:778:C:VAL:HG22	1:775:C:LEU:HA	3	0.29
(2,388)	1:778:C:VAL:HG23	1:775:C:LEU:HA	3	0.29
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	10	0.29
(2,303)	1:749:C:VAL:H	1:746:C:ILE:HA	7	0.29
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	15	0.29
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	15	0.29
(2,294)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	15	0.29
(2,294)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	15	0.29
(2,294)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	15	0.29
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	2	0.29
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	2	0.29
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	2	0.29
(2,292)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	7	0.29
(2,292)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	7	0.29
(2,292)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	7	0.29
(2,292)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	7	0.29
(2,292)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	7	0.29
(2,292)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	7	0.29
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	9	0.29
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	1	0.29
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	5	0.29
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	5	0.29
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	5	0.29
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	5	0.29
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	5	0.29
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	5	0.29
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	13	0.29
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	13	0.29
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	13	0.29
(2,176)	1:698:C:VAL:HG11	1:695:C:LEU:HA	3	0.29
(2,176)	1:698:C:VAL:HG12	1:695:C:LEU:HA	3	0.29
(2,176)	1:698:C:VAL:HG13	1:695:C:LEU:HA	3	0.29
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	8	0.29
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	8	0.29
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	8	0.29
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	2	0.29
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	2	0.29
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	2	0.29
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	14	0.29
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	14	0.29
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	14	0.29
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	3	0.29
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	3	0.29
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	3	0.29
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	3	0.29
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	3	0.29
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	3	0.29
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	12	0.29
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	12	0.29
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	12	0.29
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	12	0.29
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	12	0.29
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	12	0.29
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	7	0.29
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	7	0.29
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	7	0.29
(2,123)	1:682:C:ILE:HD11	1:685:C:PHE:HB2	15	0.29
(2,123)	1:682:C:ILE:HD11	1:685:C:PHE:HB3	15	0.29
(2,123)	1:682:C:ILE:HD12	1:685:C:PHE:HB2	15	0.29
(2,123)	1:682:C:ILE:HD12	1:685:C:PHE:HB3	15	0.29
(2,123)	1:682:C:ILE:HD13	1:685:C:PHE:HB2	15	0.29
(2,123)	1:682:C:ILE:HD13	1:685:C:PHE:HB3	15	0.29
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	13	0.29
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	13	0.29
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	13	0.29
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	13	0.29
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	13	0.29
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	13	0.29
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	13	0.29
(1,71)	1:754:C:ALA:O	1:758:C:ASP:H	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,69)	1:753:C:LEU:O	1:757:C:TRP:H	15	0.29
(1,45)	1:754:C:ALA:O	1:758:C:ASP:H	7	0.29
(1,43)	1:753:C:LEU:O	1:757:C:TRP:H	15	0.29
(1,19)	1:754:C:ALA:O	1:758:C:ASP:H	7	0.29
(1,17)	1:753:C:LEU:O	1:757:C:TRP:H	15	0.29
(2,1094)	1:770:C:ARG:HH11	1:773:C:ASP:OD2	10	0.28
(2,1042)	1:778:C:VAL:HG21	1:775:C:LEU:HA	10	0.28
(2,1042)	1:778:C:VAL:HG22	1:775:C:LEU:HA	10	0.28
(2,1042)	1:778:C:VAL:HG23	1:775:C:LEU:HA	10	0.28
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	15	0.28
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	15	0.28
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	3	0.28
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.28
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.28
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.28
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	5	0.28
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	4	0.28
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	4	0.28
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	4	0.28
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	4	0.28
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	4	0.28
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	4	0.28
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	4	0.28
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	4	0.28
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	4	0.28
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.28
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.28
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.28
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.28
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.28
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.28
(2,767)	1:770:C:ARG:HH11	1:773:C:ASP:OD2	10	0.28
(2,715)	1:778:C:VAL:HG21	1:775:C:LEU:HA	10	0.28
(2,715)	1:778:C:VAL:HG22	1:775:C:LEU:HA	10	0.28
(2,715)	1:778:C:VAL:HG23	1:775:C:LEU:HA	10	0.28
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	15	0.28
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	15	0.28
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	3	0.28
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.28
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.28
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.28
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	5	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	4	0.28
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	4	0.28
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	4	0.28
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	4	0.28
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	4	0.28
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	4	0.28
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	4	0.28
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	4	0.28
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	4	0.28
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.28
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.28
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.28
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.28
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.28
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.28
(2,440)	1:770:C:ARG:HH11	1:773:C:ASP:OD2	10	0.28
(2,388)	1:778:C:VAL:HG21	1:775:C:LEU:HA	10	0.28
(2,388)	1:778:C:VAL:HG22	1:775:C:LEU:HA	10	0.28
(2,388)	1:778:C:VAL:HG23	1:775:C:LEU:HA	10	0.28
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	15	0.28
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	15	0.28
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	3	0.28
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	6	0.28
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	6	0.28
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	6	0.28
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	5	0.28
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	4	0.28
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	4	0.28
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	4	0.28
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	4	0.28
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	4	0.28
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	4	0.28
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	4	0.28
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	4	0.28
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	4	0.28
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	12	0.28
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	12	0.28
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	12	0.28
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	12	0.28
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	12	0.28
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	12	0.28
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.28
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.28
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.28
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.28
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.28
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.28
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.28
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.28
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.28
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.28
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.28
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	11	0.28
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	11	0.28
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	11	0.28
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	11	0.28
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	11	0.28
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	11	0.28
(1,69)	1:753:C:LEU:O	1:757:C:TRP:H	8	0.28
(1,43)	1:753:C:LEU:O	1:757:C:TRP:H	8	0.28
(1,17)	1:753:C:LEU:O	1:757:C:TRP:H	8	0.28
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	1	0.27
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	14	0.27
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	14	0.27
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	14	0.27
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	14	0.27
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	14	0.27
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	14	0.27
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	14	0.27
(2,945)	1:746:C:ILE:HD11	1:743:C:ASP:HA	8	0.27
(2,945)	1:746:C:ILE:HD12	1:743:C:ASP:HA	8	0.27
(2,945)	1:746:C:ILE:HD13	1:743:C:ASP:HA	8	0.27
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	13	0.27
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	12	0.27
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	12	0.27
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	12	0.27
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	6	0.27
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	6	0.27
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	14	0.27
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	14	0.27
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.27
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.27
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.27
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.27
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.27
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.27
(2,815)	1:693:C:ILE:HG21	1:694:C:GLY:H	12	0.27
(2,815)	1:693:C:ILE:HG22	1:694:C:GLY:H	12	0.27
(2,815)	1:693:C:ILE:HG23	1:694:C:GLY:H	12	0.27
(2,811)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	8	0.27
(2,811)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	8	0.27
(2,811)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	8	0.27
(2,811)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	8	0.27
(2,811)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	8	0.27
(2,811)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	8	0.27
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.27
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.27
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.27
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.27
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.27
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.27
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.27
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.27
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.27
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.27
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.27
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.27
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.27
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.27
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.27
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.27
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.27
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.27
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.27
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.27
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.27
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	9	0.27
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	9	0.27
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	9	0.27
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.27
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.27
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.27
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.27
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.27
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	1	0.27
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	14	0.27
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	14	0.27
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	14	0.27
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	14	0.27
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	14	0.27
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	14	0.27
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	14	0.27
(2,618)	1:746:C:ILE:HD11	1:743:C:ASP:HA	8	0.27
(2,618)	1:746:C:ILE:HD12	1:743:C:ASP:HA	8	0.27
(2,618)	1:746:C:ILE:HD13	1:743:C:ASP:HA	8	0.27
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	13	0.27
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	12	0.27
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	12	0.27
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	12	0.27
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	6	0.27
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	6	0.27
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	14	0.27
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	14	0.27
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.27
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.27
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.27
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.27
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.27
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.27
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.27
(2,488)	1:693:C:ILE:HG21	1:694:C:GLY:H	12	0.27
(2,488)	1:693:C:ILE:HG22	1:694:C:GLY:H	12	0.27
(2,488)	1:693:C:ILE:HG23	1:694:C:GLY:H	12	0.27
(2,484)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	8	0.27
(2,484)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	8	0.27
(2,484)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	8	0.27
(2,484)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	8	0.27
(2,484)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	8	0.27
(2,484)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	8	0.27
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.27
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.27
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.27
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.27
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.27
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.27
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.27
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.27
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.27
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.27
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.27
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.27
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.27
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.27
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.27
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.27
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.27
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.27
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.27
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.27
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	9	0.27
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	9	0.27
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	9	0.27
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.27
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.27
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.27
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.27
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.27
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.27
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	1	0.27
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	14	0.27
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	14	0.27
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	14	0.27
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	14	0.27
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	14	0.27
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	14	0.27
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	14	0.27
(2,291)	1:746:C:ILE:HD11	1:743:C:ASP:HA	8	0.27
(2,291)	1:746:C:ILE:HD12	1:743:C:ASP:HA	8	0.27
(2,291)	1:746:C:ILE:HD13	1:743:C:ASP:HA	8	0.27
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	13	0.27
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	12	0.27
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	12	0.27
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	12	0.27
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	6	0.27
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	6	0.27
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	14	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	14	0.27
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	6	0.27
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	14	0.27
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	14	0.27
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	14	0.27
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	14	0.27
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	14	0.27
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	14	0.27
(2,161)	1:693:C:ILE:HG21	1:694:C:GLY:H	12	0.27
(2,161)	1:693:C:ILE:HG22	1:694:C:GLY:H	12	0.27
(2,161)	1:693:C:ILE:HG23	1:694:C:GLY:H	12	0.27
(2,157)	1:693:C:ILE:HD11	1:694:C:GLY:HA2	8	0.27
(2,157)	1:693:C:ILE:HD11	1:694:C:GLY:HA3	8	0.27
(2,157)	1:693:C:ILE:HD12	1:694:C:GLY:HA2	8	0.27
(2,157)	1:693:C:ILE:HD12	1:694:C:GLY:HA3	8	0.27
(2,157)	1:693:C:ILE:HD13	1:694:C:GLY:HA2	8	0.27
(2,157)	1:693:C:ILE:HD13	1:694:C:GLY:HA3	8	0.27
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	7	0.27
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	7	0.27
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	7	0.27
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	2	0.27
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	2	0.27
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	2	0.27
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	2	0.27
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	2	0.27
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	2	0.27
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	10	0.27
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	10	0.27
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	10	0.27
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	10	0.27
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	10	0.27
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	10	0.27
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	1	0.27
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	1	0.27
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	1	0.27
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	3	0.27
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	3	0.27
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	3	0.27
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	9	0.27
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	9	0.27
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	9	0.27
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	1	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	1	0.27
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	1	0.27
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	1	0.27
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	1	0.27
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	1	0.27
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.27
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.27
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.27
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.27
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.27
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.27
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.27
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.27
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.27
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.27
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.27
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.27
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	12	0.27
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	12	0.27
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	12	0.27
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	12	0.27
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	12	0.27
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	12	0.27
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	14	0.26
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	3	0.26
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	5	0.26
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	5	0.26
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	5	0.26
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	8	0.26
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	8	0.26
(2,949)	1:747:C:ARG:H	1:744:C:ARG:HA	9	0.26
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	3	0.26
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	3	0.26
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	3	0.26
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	6	0.26
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	3	0.26
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	3	0.26
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	3	0.26
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	3	0.26
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	3	0.26
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	3	0.26
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	4	0.26
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	4	0.26
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.26
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.26
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.26
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.26
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.26
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.26
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.26
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.26
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.26
(2,871)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.26
(2,869)	1:704:C:LEU:HD11	1:707:C:ARG:HE	1	0.26
(2,869)	1:704:C:LEU:HD12	1:707:C:ARG:HE	1	0.26
(2,869)	1:704:C:LEU:HD13	1:707:C:ARG:HE	1	0.26
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	5	0.26
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	10	0.26
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	10	0.26
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	10	0.26
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.26
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.26
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.26
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.26
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.26
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.26
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.26
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.26
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.26
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.26
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.26
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.26
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.26
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.26
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.26
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.26
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.26
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.26
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.26
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	14	0.26
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	3	0.26
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	5	0.26
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	5	0.26
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	8	0.26
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	8	0.26
(2,622)	1:747:C:ARG:H	1:744:C:ARG:HA	9	0.26
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	3	0.26
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	3	0.26
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	3	0.26
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	6	0.26
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	3	0.26
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	3	0.26
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	3	0.26
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	3	0.26
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	3	0.26
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	3	0.26
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.26
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	4	0.26
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	4	0.26
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.26
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.26
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.26
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.26
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.26
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.26
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.26
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.26
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.26
(2,544)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.26
(2,542)	1:704:C:LEU:HD11	1:707:C:ARG:HE	1	0.26
(2,542)	1:704:C:LEU:HD12	1:707:C:ARG:HE	1	0.26
(2,542)	1:704:C:LEU:HD13	1:707:C:ARG:HE	1	0.26
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	5	0.26
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	10	0.26
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	10	0.26
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	10	0.26
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.26
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.26
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.26
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.26
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.26
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.26
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.26
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.26
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.26
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.26
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.26
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.26
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.26
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.26
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.26
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.26
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.26
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.26
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	14	0.26
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	3	0.26
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	5	0.26
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	5	0.26
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	5	0.26
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	8	0.26
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	8	0.26
(2,295)	1:747:C:ARG:H	1:744:C:ARG:HA	9	0.26
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	3	0.26
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	3	0.26
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	3	0.26
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	6	0.26
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	3	0.26
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	3	0.26
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	3	0.26
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	3	0.26
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	3	0.26
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	3	0.26
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	12	0.26
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	4	0.26
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	4	0.26
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	11	0.26
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	11	0.26
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	11	0.26
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	11	0.26
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	11	0.26
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	11	0.26
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	13	0.26
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	13	0.26
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	13	0.26
(2,217)	1:705:C:VAL:H	1:702:C:LEU:HA	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,215)	1:704:C:LEU:HD11	1:707:C:ARG:HE	1	0.26
(2,215)	1:704:C:LEU:HD12	1:707:C:ARG:HE	1	0.26
(2,215)	1:704:C:LEU:HD13	1:707:C:ARG:HE	1	0.26
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	5	0.26
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	10	0.26
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	10	0.26
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	10	0.26
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	8	0.26
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	8	0.26
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	8	0.26
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	8	0.26
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	8	0.26
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	8	0.26
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	15	0.26
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	15	0.26
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	15	0.26
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	15	0.26
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	15	0.26
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	15	0.26
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	1	0.26
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	1	0.26
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	1	0.26
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	1	0.26
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	1	0.26
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	1	0.26
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	8	0.26
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.25
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.25
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	13	0.25
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	13	0.25
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	13	0.25
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	13	0.25
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	13	0.25
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	13	0.25
(2,1035)	1:777:C:ILE:HD11	1:774:C:LEU:HA	5	0.25
(2,1035)	1:777:C:ILE:HD12	1:774:C:LEU:HA	5	0.25
(2,1035)	1:777:C:ILE:HD13	1:774:C:LEU:HA	5	0.25
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	13	0.25
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	13	0.25
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	13	0.25
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	2	0.25
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.25
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.25
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.25
(2,842)	1:700:C:ALA:HB1	1:697:C:ILE:HA	3	0.25
(2,842)	1:700:C:ALA:HB2	1:697:C:ILE:HA	3	0.25
(2,842)	1:700:C:ALA:HB3	1:697:C:ILE:HA	3	0.25
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.25
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.25
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.25
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.25
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.25
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.25
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.25
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.25
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.25
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.25
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.25
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.25
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.25
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.25
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.25
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.25
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.25
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.25
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	6	0.25
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	6	0.25
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	6	0.25
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.25
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.25
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	13	0.25
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	13	0.25
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	13	0.25
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	13	0.25
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	13	0.25
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	13	0.25
(2,708)	1:777:C:ILE:HD11	1:774:C:LEU:HA	5	0.25
(2,708)	1:777:C:ILE:HD12	1:774:C:LEU:HA	5	0.25
(2,708)	1:777:C:ILE:HD13	1:774:C:LEU:HA	5	0.25
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	13	0.25
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	13	0.25
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	13	0.25
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	2	0.25
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.25
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.25
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.25
(2,515)	1:700:C:ALA:HB1	1:697:C:ILE:HA	3	0.25
(2,515)	1:700:C:ALA:HB2	1:697:C:ILE:HA	3	0.25
(2,515)	1:700:C:ALA:HB3	1:697:C:ILE:HA	3	0.25
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.25
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.25
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.25
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.25
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.25
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.25
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.25
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.25
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.25
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.25
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.25
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.25
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.25
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.25
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.25
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.25
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.25
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.25
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	6	0.25
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	6	0.25
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	6	0.25
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	11	0.25
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	15	0.25
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	13	0.25
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	13	0.25
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	13	0.25
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	13	0.25
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	13	0.25
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	13	0.25
(2,381)	1:777:C:ILE:HD11	1:774:C:LEU:HA	5	0.25
(2,381)	1:777:C:ILE:HD12	1:774:C:LEU:HA	5	0.25
(2,381)	1:777:C:ILE:HD13	1:774:C:LEU:HA	5	0.25
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	13	0.25
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	13	0.25
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	2	0.25
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	2	0.25
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	5	0.25
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	5	0.25
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	5	0.25
(2,188)	1:700:C:ALA:HB1	1:697:C:ILE:HA	3	0.25
(2,188)	1:700:C:ALA:HB2	1:697:C:ILE:HA	3	0.25
(2,188)	1:700:C:ALA:HB3	1:697:C:ILE:HA	3	0.25
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB2	3	0.25
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB3	3	0.25
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB2	3	0.25
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB3	3	0.25
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB2	3	0.25
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB3	3	0.25
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	1	0.25
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	1	0.25
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	1	0.25
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	1	0.25
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	1	0.25
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	1	0.25
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	9	0.25
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	9	0.25
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	9	0.25
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	9	0.25
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	9	0.25
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	9	0.25
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	6	0.25
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	6	0.25
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	6	0.25
(2,1095)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	5	0.24
(2,1095)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	9	0.24
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	10	0.24
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	3	0.24
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	3	0.24
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	3	0.24
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	3	0.24
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	3	0.24
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	3	0.24
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	9	0.24
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	9	0.24
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	9	0.24
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	9	0.24
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	9	0.24
(2,1023)	1:775:C:LEU:HD11	1:772:C:ARG:HA	3	0.24
(2,1023)	1:775:C:LEU:HD12	1:772:C:ARG:HA	3	0.24
(2,1023)	1:775:C:LEU:HD13	1:772:C:ARG:HA	3	0.24
(2,1023)	1:775:C:LEU:HD11	1:772:C:ARG:HA	7	0.24
(2,1023)	1:775:C:LEU:HD12	1:772:C:ARG:HA	7	0.24
(2,1023)	1:775:C:LEU:HD13	1:772:C:ARG:HA	7	0.24
(2,954)	1:748:C:LEU:H	1:745:C:SER:HA	15	0.24
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	11	0.24
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	7	0.24
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	7	0.24
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	7	0.24
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	7	0.24
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	7	0.24
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	7	0.24
(2,882)	1:706:C:ASN:H	1:703:C:SER:HA	3	0.24
(2,882)	1:706:C:ASN:H	1:703:C:SER:HA	9	0.24
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	1	0.24
(2,854)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.24
(2,854)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.24
(2,854)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.24
(2,854)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.24
(2,854)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.24
(2,854)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.24
(2,849)	1:702:C:LEU:H	1:699:C:PHE:HA	5	0.24
(2,823)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	11	0.24
(2,823)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	11	0.24
(2,823)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	11	0.24
(2,823)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	11	0.24
(2,823)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	11	0.24
(2,823)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	11	0.24
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	4	0.24
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	7	0.24
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	7	0.24
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	7	0.24
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	7	0.24
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	7	0.24
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	7	0.24
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	8	0.24
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	8	0.24
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	8	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	8	0.24
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	8	0.24
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	8	0.24
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.24
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.24
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.24
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.24
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.24
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.24
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.24
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.24
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.24
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.24
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.24
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.24
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(2,768)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	5	0.24
(2,768)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	9	0.24
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	10	0.24
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	3	0.24
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	3	0.24
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	3	0.24
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	3	0.24
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	3	0.24
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	3	0.24
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	9	0.24
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	9	0.24
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	9	0.24
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	9	0.24
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	9	0.24
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	9	0.24
(2,696)	1:775:C:LEU:HD11	1:772:C:ARG:HA	3	0.24
(2,696)	1:775:C:LEU:HD12	1:772:C:ARG:HA	3	0.24
(2,696)	1:775:C:LEU:HD13	1:772:C:ARG:HA	3	0.24
(2,696)	1:775:C:LEU:HD11	1:772:C:ARG:HA	7	0.24
(2,696)	1:775:C:LEU:HD12	1:772:C:ARG:HA	7	0.24
(2,696)	1:775:C:LEU:HD13	1:772:C:ARG:HA	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,627)	1:748:C:LEU:H	1:745:C:SER:HA	15	0.24
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	11	0.24
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	7	0.24
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	7	0.24
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	7	0.24
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	7	0.24
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	7	0.24
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	7	0.24
(2,555)	1:706:C:ASN:H	1:703:C:SER:HA	3	0.24
(2,555)	1:706:C:ASN:H	1:703:C:SER:HA	9	0.24
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	1	0.24
(2,527)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.24
(2,527)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.24
(2,527)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.24
(2,527)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.24
(2,527)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.24
(2,527)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.24
(2,522)	1:702:C:LEU:H	1:699:C:PHE:HA	5	0.24
(2,496)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	11	0.24
(2,496)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	11	0.24
(2,496)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	11	0.24
(2,496)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	11	0.24
(2,496)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	11	0.24
(2,496)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	11	0.24
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	4	0.24
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	7	0.24
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	7	0.24
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	7	0.24
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	7	0.24
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	7	0.24
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	7	0.24
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	8	0.24
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	8	0.24
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	8	0.24
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	8	0.24
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	8	0.24
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	8	0.24
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.24
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.24
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.24
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.24
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.24
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.24
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.24
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.24
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.24
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.24
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.24
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(2,441)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	5	0.24
(2,441)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	9	0.24
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	10	0.24
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	3	0.24
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	3	0.24
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	3	0.24
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	3	0.24
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	3	0.24
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	3	0.24
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	9	0.24
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	9	0.24
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	9	0.24
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	9	0.24
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	9	0.24
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	9	0.24
(2,369)	1:775:C:LEU:HD11	1:772:C:ARG:HA	3	0.24
(2,369)	1:775:C:LEU:HD12	1:772:C:ARG:HA	3	0.24
(2,369)	1:775:C:LEU:HD13	1:772:C:ARG:HA	3	0.24
(2,369)	1:775:C:LEU:HD11	1:772:C:ARG:HA	7	0.24
(2,369)	1:775:C:LEU:HD12	1:772:C:ARG:HA	7	0.24
(2,369)	1:775:C:LEU:HD13	1:772:C:ARG:HA	7	0.24
(2,300)	1:748:C:LEU:H	1:745:C:SER:HA	15	0.24
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	11	0.24
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	7	0.24
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	7	0.24
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	7	0.24
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	7	0.24
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	7	0.24
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	7	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,228)	1:706:C:ASN:H	1:703:C:SER:HA	3	0.24
(2,228)	1:706:C:ASN:H	1:703:C:SER:HA	9	0.24
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	1	0.24
(2,200)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	10	0.24
(2,200)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	10	0.24
(2,200)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	10	0.24
(2,200)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	10	0.24
(2,200)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	10	0.24
(2,200)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	10	0.24
(2,195)	1:702:C:LEU:H	1:699:C:PHE:HA	5	0.24
(2,169)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	11	0.24
(2,169)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	11	0.24
(2,169)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	11	0.24
(2,169)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	11	0.24
(2,169)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	11	0.24
(2,169)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	11	0.24
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	4	0.24
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	7	0.24
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	7	0.24
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	7	0.24
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	7	0.24
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	7	0.24
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	7	0.24
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	8	0.24
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	8	0.24
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	8	0.24
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	8	0.24
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	8	0.24
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	8	0.24
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	7	0.24
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	7	0.24
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	7	0.24
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	7	0.24
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	7	0.24
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	7	0.24
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	13	0.24
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	13	0.24
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	13	0.24
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	13	0.24
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	13	0.24
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	13	0.24
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	12	0.24
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	12	0.24
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	12	0.24
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	12	0.24
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	12	0.24
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.24
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.24
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.24
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.24
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.24
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.24
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.24
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.24
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.24
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.24
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.24
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.24
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	8	0.24
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	8	0.24
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	8	0.24
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	8	0.24
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	8	0.24
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	8	0.24
(2,1095)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	1	0.23
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.23
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	4	0.23
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	4	0.23
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	4	0.23
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	4	0.23
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	4	0.23
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	4	0.23
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	4	0.23
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	4	0.23
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	4	0.23
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	4	0.23
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	4	0.23
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	4	0.23
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	4	0.23
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	4	0.23
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	4	0.23
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	5	0.23
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	5	0.23
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.23
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.23
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.23
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	8	0.23
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	1	0.23
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	1	0.23
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	1	0.23
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD11	5	0.23
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD12	5	0.23
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD13	5	0.23
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD21	5	0.23
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD22	5	0.23
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD23	5	0.23
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	1	0.23
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	1	0.23
(2,882)	1:706:C:ASN:H	1:703:C:SER:HA	7	0.23
(2,878)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	11	0.23
(2,878)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	11	0.23
(2,878)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	11	0.23
(2,878)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	11	0.23
(2,878)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	11	0.23
(2,878)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	11	0.23
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB2	12	0.23
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB3	12	0.23
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB2	12	0.23
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB3	12	0.23
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB2	12	0.23
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB3	12	0.23
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	13	0.23
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	13	0.23
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	13	0.23
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	13	0.23
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	13	0.23
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	13	0.23
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.23
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.23
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.23
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.23
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.23
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.23
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.23
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.23
(2,778)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	14	0.23
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	2	0.23
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	2	0.23
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	2	0.23
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	8	0.23
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	8	0.23
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	8	0.23
(2,768)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	1	0.23
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.23
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	4	0.23
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	4	0.23
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	4	0.23
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	4	0.23
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	4	0.23
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	4	0.23
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	4	0.23
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	4	0.23
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	4	0.23
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	4	0.23
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	4	0.23
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	4	0.23
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	4	0.23
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	4	0.23
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	4	0.23
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	5	0.23
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	5	0.23
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	5	0.23
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.23
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.23
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.23
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	8	0.23
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	1	0.23
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	1	0.23
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	1	0.23
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD11	5	0.23
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD12	5	0.23
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD13	5	0.23
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD21	5	0.23
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD22	5	0.23
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD23	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	1	0.23
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	1	0.23
(2,555)	1:706:C:ASN:H	1:703:C:SER:HA	7	0.23
(2,551)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	11	0.23
(2,551)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	11	0.23
(2,551)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	11	0.23
(2,551)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	11	0.23
(2,551)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	11	0.23
(2,551)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	11	0.23
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB2	12	0.23
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB3	12	0.23
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB2	12	0.23
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB3	12	0.23
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB2	12	0.23
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB3	12	0.23
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	13	0.23
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	13	0.23
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	13	0.23
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	13	0.23
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	13	0.23
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	13	0.23
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.23
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.23
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.23
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.23
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.23
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.23
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.23
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.23
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.23
(2,451)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	14	0.23
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	2	0.23
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	2	0.23
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	2	0.23
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	8	0.23
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	8	0.23
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	8	0.23
(2,441)	1:780:C:ARG:HH11	1:783:C:GLU:OE2	1	0.23
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	15	0.23
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	4	0.23
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	4	0.23
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	4	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	4	0.23
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	4	0.23
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	4	0.23
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	4	0.23
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	4	0.23
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	4	0.23
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	4	0.23
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	4	0.23
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	4	0.23
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	4	0.23
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	4	0.23
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	4	0.23
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	5	0.23
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	5	0.23
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	5	0.23
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	14	0.23
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	14	0.23
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	14	0.23
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	8	0.23
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	1	0.23
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	1	0.23
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	1	0.23
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD11	5	0.23
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD12	5	0.23
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD13	5	0.23
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD21	5	0.23
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD22	5	0.23
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD23	5	0.23
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	1	0.23
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	1	0.23
(2,228)	1:706:C:ASN:H	1:703:C:SER:HA	7	0.23
(2,224)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	11	0.23
(2,224)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	11	0.23
(2,224)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	11	0.23
(2,224)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	11	0.23
(2,224)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	11	0.23
(2,224)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	11	0.23
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB2	12	0.23
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB3	12	0.23
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB2	12	0.23
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB3	12	0.23
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB2	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB3	12	0.23
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	13	0.23
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	13	0.23
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	13	0.23
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	13	0.23
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	13	0.23
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	13	0.23
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	1	0.23
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	1	0.23
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	1	0.23
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	1	0.23
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	1	0.23
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	1	0.23
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	8	0.23
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	8	0.23
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	8	0.23
(2,124)	1:683:C:ARG:HE	1:680:C:TRP:HZ3	14	0.23
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	2	0.23
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	2	0.23
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	2	0.23
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	8	0.23
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	8	0.23
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	8	0.23
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.23
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.23
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.23
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.23
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.23
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.23
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.23
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.23
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.23
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.23
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.23
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.23
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.23
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.23
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.23
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.23
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.23
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.23
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.23
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.23
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.23
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.23
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.23
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	6	0.23
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	6	0.23
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	6	0.23
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	6	0.23
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	6	0.23
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	6	0.23
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	9	0.23
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	9	0.23
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	9	0.23
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	9	0.23
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	9	0.23
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	9	0.23
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	13	0.22
(2,982)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	11	0.22
(2,982)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	11	0.22
(2,982)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	11	0.22
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	6	0.22
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	6	0.22
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	3	0.22
(2,913)	1:709:C:ARG:HE	1:709:C:ARG:H	14	0.22
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	14	0.22
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	14	0.22
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	14	0.22
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	14	0.22
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	14	0.22
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	14	0.22
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	10	0.22
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	10	0.22
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	10	0.22
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.22
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	13	0.22
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	13	0.22
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	13	0.22
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	13	0.22
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	13	0.22
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	13	0.22
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB2	14	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB3	14	0.22
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB2	14	0.22
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB3	14	0.22
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB2	14	0.22
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB3	14	0.22
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	2	0.22
(2,803)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	2	0.22
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	2	0.22
(2,803)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	2	0.22
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	2	0.22
(2,803)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	2	0.22
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	10	0.22
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	10	0.22
(2,797)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	10	0.22
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	10	0.22
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	10	0.22
(2,797)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	10	0.22
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	10	0.22
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	10	0.22
(2,797)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	10	0.22
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.22
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.22
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.22
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.22
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.22
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.22
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.22
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.22
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.22
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.22
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.22
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.22
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.22
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.22
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.22
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.22
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.22
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.22
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.22
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.22
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.22
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.22
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.22
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.22
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.22
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.22
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	5	0.22
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	5	0.22
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	5	0.22
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.22
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.22
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.22
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.22
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.22
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.22
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	9	0.22
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	9	0.22
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	9	0.22
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	9	0.22
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	9	0.22
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	9	0.22
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	13	0.22
(2,655)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	11	0.22
(2,655)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	11	0.22
(2,655)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	11	0.22
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	6	0.22
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	6	0.22
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	3	0.22
(2,586)	1:709:C:ARG:HE	1:709:C:ARG:H	14	0.22
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	14	0.22
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	14	0.22
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	14	0.22
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	14	0.22
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	14	0.22
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	14	0.22
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	10	0.22
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	10	0.22
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	10	0.22
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.22
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	13	0.22
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	13	0.22
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	13	0.22
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	13	0.22
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	13	0.22
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB2	14	0.22
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB3	14	0.22
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB2	14	0.22
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB3	14	0.22
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB2	14	0.22
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB3	14	0.22
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	2	0.22
(2,476)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	2	0.22
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	2	0.22
(2,476)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	2	0.22
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	2	0.22
(2,476)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	2	0.22
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	10	0.22
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	10	0.22
(2,470)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	10	0.22
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	10	0.22
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	10	0.22
(2,470)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	10	0.22
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	10	0.22
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	10	0.22
(2,470)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	10	0.22
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.22
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.22
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.22
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.22
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.22
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.22
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.22
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.22
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.22
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.22
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.22
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.22
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.22
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.22
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.22
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.22
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.22
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.22
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.22
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.22
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.22
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.22
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.22
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.22
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.22
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.22
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	5	0.22
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	5	0.22
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	5	0.22
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.22
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.22
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.22
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.22
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.22
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.22
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	9	0.22
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	9	0.22
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	9	0.22
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	9	0.22
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	9	0.22
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	9	0.22
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	13	0.22
(2,328)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	11	0.22
(2,328)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	11	0.22
(2,328)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	11	0.22
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	6	0.22
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	6	0.22
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	3	0.22
(2,259)	1:709:C:ARG:HE	1:709:C:ARG:H	14	0.22
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	14	0.22
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	14	0.22
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	14	0.22
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	14	0.22
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	14	0.22
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	14	0.22
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	10	0.22
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	10	0.22
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	10	0.22
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	14	0.22
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	13	0.22
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	13	0.22
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	13	0.22
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	13	0.22
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	13	0.22
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB2	14	0.22
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB3	14	0.22
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB2	14	0.22
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB3	14	0.22
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB2	14	0.22
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB3	14	0.22
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE1	2	0.22
(2,149)	1:689:C:VAL:HG21	1:685:C:PHE:HE2	2	0.22
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE1	2	0.22
(2,149)	1:689:C:VAL:HG22	1:685:C:PHE:HE2	2	0.22
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE1	2	0.22
(2,149)	1:689:C:VAL:HG23	1:685:C:PHE:HE2	2	0.22
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD11	10	0.22
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD12	10	0.22
(2,143)	1:687:C:ILE:HD11	1:684:C:ILE:HD13	10	0.22
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD11	10	0.22
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD12	10	0.22
(2,143)	1:687:C:ILE:HD12	1:684:C:ILE:HD13	10	0.22
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD11	10	0.22
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD12	10	0.22
(2,143)	1:687:C:ILE:HD13	1:684:C:ILE:HD13	10	0.22
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	8	0.22
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	8	0.22
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	8	0.22
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	5	0.22
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	5	0.22
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	5	0.22
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	5	0.22
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	5	0.22
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	5	0.22
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	7	0.22
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	7	0.22
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	7	0.22
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	7	0.22
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	7	0.22
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	7	0.22
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	12	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	12	0.22
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	12	0.22
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	12	0.22
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	12	0.22
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	12	0.22
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	13	0.22
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	13	0.22
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	13	0.22
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	13	0.22
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	13	0.22
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	13	0.22
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	5	0.22
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	5	0.22
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	5	0.22
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	3	0.22
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	3	0.22
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	3	0.22
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	3	0.22
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	3	0.22
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	3	0.22
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	9	0.22
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	9	0.22
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	9	0.22
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	9	0.22
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	9	0.22
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	9	0.22
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.22
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.22
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.22
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.22
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.22
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.22
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.22
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.22
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.22
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.22
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.22
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.22
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	11	0.22
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	11	0.22
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	11	0.22
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	11	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	11	0.22
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	11	0.22
(1,75)	1:756:C:ILE:O	1:760:C:LEU:H	5	0.22
(1,49)	1:756:C:ILE:O	1:760:C:LEU:H	5	0.22
(1,23)	1:756:C:ILE:O	1:760:C:LEU:H	5	0.22
(2,1072)	1:784:C:LEU:H	1:782:C:VAL:HA	12	0.21
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	2	0.21
(2,1023)	1:775:C:LEU:HD11	1:772:C:ARG:HA	4	0.21
(2,1023)	1:775:C:LEU:HD12	1:772:C:ARG:HA	4	0.21
(2,1023)	1:775:C:LEU:HD13	1:772:C:ARG:HA	4	0.21
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	2	0.21
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	3	0.21
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	3	0.21
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	3	0.21
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	3	0.21
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	3	0.21
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	3	0.21
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	3	0.21
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	3	0.21
(2,957)	1:749:C:VAL:H	1:746:C:ILE:HA	6	0.21
(2,957)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.21
(2,954)	1:748:C:LEU:H	1:745:C:SER:HA	12	0.21
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	6	0.21
(2,907)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.21
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	15	0.21
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	15	0.21
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	15	0.21
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	15	0.21
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	15	0.21
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	15	0.21
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	1	0.21
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	1	0.21
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	1	0.21
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	1	0.21
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	1	0.21
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	1	0.21
(2,856)	1:703:C:SER:H	1:700:C:ALA:HA	9	0.21
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	11	0.21
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	11	0.21
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	11	0.21
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	11	0.21
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	11	0.21
(2,844)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.21
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.21
(2,827)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	3	0.21
(2,827)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	3	0.21
(2,827)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	3	0.21
(2,827)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	3	0.21
(2,827)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	3	0.21
(2,827)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	3	0.21
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	4	0.21
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	4	0.21
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	4	0.21
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.21
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.21
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.21
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.21
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.21
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.21
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.21
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.21
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.21
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.21
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.21
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.21
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.21
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.21
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.21
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.21
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.21
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.21
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	11	0.21
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	11	0.21
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	11	0.21
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	11	0.21
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	11	0.21
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	11	0.21
(2,769)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	6	0.21
(2,769)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	6	0.21
(2,769)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	6	0.21
(2,769)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	6	0.21
(2,769)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	6	0.21
(2,769)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,745)	1:784:C:LEU:H	1:782:C:VAL:HA	12	0.21
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	2	0.21
(2,696)	1:775:C:LEU:HD11	1:772:C:ARG:HA	4	0.21
(2,696)	1:775:C:LEU:HD12	1:772:C:ARG:HA	4	0.21
(2,696)	1:775:C:LEU:HD13	1:772:C:ARG:HA	4	0.21
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	2	0.21
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	3	0.21
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	3	0.21
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	3	0.21
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	3	0.21
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	3	0.21
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	3	0.21
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	3	0.21
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	3	0.21
(2,630)	1:749:C:VAL:H	1:746:C:ILE:HA	6	0.21
(2,630)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.21
(2,627)	1:748:C:LEU:H	1:745:C:SER:HA	12	0.21
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	6	0.21
(2,580)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.21
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	15	0.21
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	15	0.21
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	15	0.21
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	15	0.21
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	15	0.21
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	15	0.21
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	1	0.21
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	1	0.21
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	1	0.21
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	1	0.21
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	1	0.21
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	1	0.21
(2,529)	1:703:C:SER:H	1:700:C:ALA:HA	9	0.21
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	11	0.21
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	11	0.21
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	11	0.21
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	11	0.21
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	11	0.21
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	11	0.21
(2,517)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.21
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.21
(2,500)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	3	0.21
(2,500)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	3	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,500)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	3	0.21
(2,500)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	3	0.21
(2,500)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	3	0.21
(2,500)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	3	0.21
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	4	0.21
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	4	0.21
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	4	0.21
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.21
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.21
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.21
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.21
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.21
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.21
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.21
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.21
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.21
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.21
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.21
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.21
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.21
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.21
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.21
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.21
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.21
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.21
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	11	0.21
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	11	0.21
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	11	0.21
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	11	0.21
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	11	0.21
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	11	0.21
(2,442)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	6	0.21
(2,442)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	6	0.21
(2,442)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	6	0.21
(2,442)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	6	0.21
(2,442)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	6	0.21
(2,442)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	6	0.21
(2,418)	1:784:C:LEU:H	1:782:C:VAL:HA	12	0.21
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	2	0.21
(2,369)	1:775:C:LEU:HD11	1:772:C:ARG:HA	4	0.21
(2,369)	1:775:C:LEU:HD12	1:772:C:ARG:HA	4	0.21
(2,369)	1:775:C:LEU:HD13	1:772:C:ARG:HA	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	2	0.21
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	3	0.21
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	3	0.21
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	3	0.21
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	3	0.21
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	3	0.21
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	3	0.21
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	3	0.21
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	3	0.21
(2,303)	1:749:C:VAL:H	1:746:C:ILE:HA	6	0.21
(2,303)	1:749:C:VAL:H	1:746:C:ILE:HA	8	0.21
(2,300)	1:748:C:LEU:H	1:745:C:SER:HA	12	0.21
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	6	0.21
(2,253)	1:709:C:ARG:H	1:707:C:ARG:H	2	0.21
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	15	0.21
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	15	0.21
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	15	0.21
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	15	0.21
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	15	0.21
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	15	0.21
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	1	0.21
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	1	0.21
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	1	0.21
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	1	0.21
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	1	0.21
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	1	0.21
(2,202)	1:703:C:SER:H	1:700:C:ALA:HA	9	0.21
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	11	0.21
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	11	0.21
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	11	0.21
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	11	0.21
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	11	0.21
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	11	0.21
(2,190)	1:701:C:VAL:H	1:698:C:VAL:HA	2	0.21
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	13	0.21
(2,173)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	3	0.21
(2,173)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	3	0.21
(2,173)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	3	0.21
(2,173)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	3	0.21
(2,173)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	3	0.21
(2,173)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	3	0.21
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	4	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	4	0.21
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	4	0.21
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	13	0.21
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	13	0.21
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	13	0.21
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	4	0.21
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	4	0.21
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	4	0.21
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	4	0.21
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	4	0.21
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	4	0.21
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	15	0.21
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	15	0.21
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	15	0.21
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	15	0.21
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	15	0.21
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	15	0.21
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	11	0.21
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	11	0.21
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	11	0.21
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	11	0.21
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	11	0.21
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	11	0.21
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	11	0.21
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	11	0.21
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	11	0.21
(2,115)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	6	0.21
(2,115)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	6	0.21
(2,115)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	6	0.21
(2,115)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	6	0.21
(2,115)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	6	0.21
(2,115)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	6	0.21
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.21
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.21
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.21
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.21
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.21
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.21
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.21
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.21
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.21
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.21
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.21
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	8	0.21
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	8	0.21
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	8	0.21
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	8	0.21
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	8	0.21
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	8	0.21
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	0.21
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	0.21
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	0.21
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	0.21
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	0.21
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	0.21
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	0.21
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	0.21
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	0.21
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	0.21
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	0.21
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	0.21
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	9	0.21
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	9	0.21
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	9	0.21
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	9	0.21
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	9	0.21
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	9	0.21
(1,67)	1:747:C:ARG:O	1:751:C:GLY:H	3	0.21
(1,41)	1:747:C:ARG:O	1:751:C:GLY:H	3	0.21
(1,15)	1:747:C:ARG:O	1:751:C:GLY:H	3	0.21
(2,1091)	1:740:C:ARG:HH21	1:743:C:ASP:OD2	6	0.2
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	7	0.2
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	9	0.2
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	7	0.2
(2,1023)	1:775:C:LEU:HD11	1:772:C:ARG:HA	13	0.2
(2,1023)	1:775:C:LEU:HD12	1:772:C:ARG:HA	13	0.2
(2,1023)	1:775:C:LEU:HD13	1:772:C:ARG:HA	13	0.2
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	10	0.2
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	8	0.2
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	8	0.2
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	8	0.2
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	8	0.2
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	8	0.2
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	8	0.2
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	8	0.2
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	10	0.2
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	10	0.2
(2,977)	1:755:C:LEU:H	1:752:C:SER:HA	7	0.2
(2,977)	1:755:C:LEU:H	1:752:C:SER:HA	15	0.2
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	2	0.2
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	2	0.2
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	7	0.2
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	7	0.2
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	14	0.2
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	14	0.2
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	7	0.2
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	8	0.2
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	8	0.2
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	8	0.2
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	8	0.2
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	8	0.2
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	8	0.2
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	10	0.2
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	10	0.2
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	10	0.2
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	10	0.2
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	10	0.2
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	10	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD11	6	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD12	6	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD13	6	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD21	6	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD22	6	0.2
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD23	6	0.2
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.2
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.2
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.2
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.2
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.2
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.2
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.2
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.2
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.2
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.2
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.2
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.2
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.2
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.2
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	10	0.2
(2,848)	1:701:C:VAL:HG21	1:698:C:VAL:HA	11	0.2
(2,848)	1:701:C:VAL:HG22	1:698:C:VAL:HA	11	0.2
(2,848)	1:701:C:VAL:HG23	1:698:C:VAL:HA	11	0.2
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.2
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.2
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.2
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.2
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.2
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.2
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.2
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.2
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB2	1	0.2
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB3	1	0.2
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB2	1	0.2
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB3	1	0.2
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB2	1	0.2
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB3	1	0.2
(2,802)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	7	0.2
(2,802)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	7	0.2
(2,802)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	7	0.2
(2,802)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	7	0.2
(2,802)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	7	0.2
(2,802)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	7	0.2
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	15	0.2
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	15	0.2
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	15	0.2
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.2
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.2
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.2
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.2
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.2
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.2
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	6	0.2
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	6	0.2
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	6	0.2
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	6	0.2
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	6	0.2
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.2
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.2
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.2
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.2
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.2
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.2
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.2
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.2
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.2
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.2
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.2
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.2
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.2
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.2
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.2
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.2
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.2
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.2
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	13	0.2
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	13	0.2
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	13	0.2
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.2
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.2
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.2
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.2
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.2
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.2
(2,764)	1:740:C:ARG:HH21	1:743:C:ASP:OD2	6	0.2
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	7	0.2
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	9	0.2
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	7	0.2
(2,696)	1:775:C:LEU:HD11	1:772:C:ARG:HA	13	0.2
(2,696)	1:775:C:LEU:HD12	1:772:C:ARG:HA	13	0.2
(2,696)	1:775:C:LEU:HD13	1:772:C:ARG:HA	13	0.2
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	10	0.2
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	8	0.2
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	8	0.2
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	8	0.2
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	8	0.2
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	8	0.2
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	8	0.2
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	8	0.2
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	10	0.2
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	10	0.2
(2,650)	1:755:C:LEU:H	1:752:C:SER:HA	7	0.2
(2,650)	1:755:C:LEU:H	1:752:C:SER:HA	15	0.2
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	2	0.2
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	2	0.2
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	7	0.2
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	7	0.2
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	14	0.2
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	14	0.2
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	7	0.2
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	8	0.2
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	8	0.2
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	8	0.2
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	8	0.2
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	8	0.2
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	8	0.2
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	10	0.2
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	10	0.2
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	10	0.2
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	10	0.2
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	10	0.2
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	10	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD11	6	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD12	6	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD13	6	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD21	6	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD22	6	0.2
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD23	6	0.2
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.2
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.2
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.2
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.2
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.2
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.2
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.2
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.2
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.2
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.2
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.2
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.2
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.2
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.2
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	10	0.2
(2,521)	1:701:C:VAL:HG21	1:698:C:VAL:HA	11	0.2
(2,521)	1:701:C:VAL:HG22	1:698:C:VAL:HA	11	0.2
(2,521)	1:701:C:VAL:HG23	1:698:C:VAL:HA	11	0.2
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.2
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.2
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.2
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.2
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.2
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.2
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.2
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.2
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB2	1	0.2
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB3	1	0.2
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB2	1	0.2
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB3	1	0.2
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB2	1	0.2
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB3	1	0.2
(2,475)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	7	0.2
(2,475)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	7	0.2
(2,475)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	7	0.2
(2,475)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	7	0.2
(2,475)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	7	0.2
(2,475)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	7	0.2
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	15	0.2
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	15	0.2
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	15	0.2
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.2
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.2
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.2
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.2
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.2
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.2
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	6	0.2
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	6	0.2
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	6	0.2
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	6	0.2
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	6	0.2
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.2
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.2
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.2
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.2
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.2
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.2
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.2
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.2
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.2
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.2
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.2
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.2
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.2
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.2
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.2
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.2
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.2
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.2
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	13	0.2
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	13	0.2
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	13	0.2
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.2
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.2
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.2
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.2
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.2
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.2
(2,437)	1:740:C:ARG:HH21	1:743:C:ASP:OD2	6	0.2
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	7	0.2
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	9	0.2
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	7	0.2
(2,369)	1:775:C:LEU:HD11	1:772:C:ARG:HA	13	0.2
(2,369)	1:775:C:LEU:HD12	1:772:C:ARG:HA	13	0.2
(2,369)	1:775:C:LEU:HD13	1:772:C:ARG:HA	13	0.2
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	10	0.2
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	8	0.2
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	8	0.2
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	8	0.2
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	8	0.2
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	8	0.2
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	8	0.2
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	8	0.2
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	10	0.2
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	10	0.2
(2,323)	1:755:C:LEU:H	1:752:C:SER:HA	7	0.2
(2,323)	1:755:C:LEU:H	1:752:C:SER:HA	15	0.2
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	2	0.2
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	2	0.2
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	7	0.2
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	7	0.2
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	14	0.2
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	14	0.2
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	7	0.2
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	8	0.2
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	8	0.2
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	8	0.2
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	8	0.2
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	8	0.2
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	8	0.2
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	10	0.2
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	10	0.2
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	10	0.2
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	10	0.2
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	10	0.2
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	10	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD11	6	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD12	6	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD13	6	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD21	6	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD22	6	0.2
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD23	6	0.2
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	8	0.2
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	8	0.2
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	8	0.2
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	8	0.2
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	8	0.2
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	8	0.2
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	12	0.2
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	12	0.2
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	12	0.2
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	12	0.2
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	12	0.2
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	3	0.2
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	3	0.2
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	3	0.2
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	10	0.2
(2,194)	1:701:C:VAL:HG21	1:698:C:VAL:HA	11	0.2
(2,194)	1:701:C:VAL:HG22	1:698:C:VAL:HA	11	0.2
(2,194)	1:701:C:VAL:HG23	1:698:C:VAL:HA	11	0.2
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	1	0.2
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	2	0.2
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	3	0.2
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	6	0.2
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	8	0.2
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	9	0.2
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	10	0.2
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	15	0.2
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB2	1	0.2
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB3	1	0.2
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB2	1	0.2
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB3	1	0.2
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB2	1	0.2
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB3	1	0.2
(2,148)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	7	0.2
(2,148)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	7	0.2
(2,148)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	7	0.2
(2,148)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	7	0.2
(2,148)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	7	0.2
(2,148)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	7	0.2
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	15	0.2
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	15	0.2
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	15	0.2
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	14	0.2
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	14	0.2
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	14	0.2
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	14	0.2
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	14	0.2
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	14	0.2
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	6	0.2
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	6	0.2
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	6	0.2
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	6	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	6	0.2
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	6	0.2
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	3	0.2
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	3	0.2
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	3	0.2
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	3	0.2
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	3	0.2
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	3	0.2
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	4	0.2
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	4	0.2
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	4	0.2
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	4	0.2
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	4	0.2
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	4	0.2
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	10	0.2
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	10	0.2
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	10	0.2
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	10	0.2
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	10	0.2
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	10	0.2
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	13	0.2
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	13	0.2
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	13	0.2
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	10	0.2
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	10	0.2
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	10	0.2
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	10	0.2
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	10	0.2
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	10	0.2
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.2
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.2
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.2
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.2
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.2
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.2
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.2
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.2
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.2
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.2
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.2
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.2
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	13	0.2
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	13	0.2
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	13	0.2
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	13	0.2
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	13	0.2
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	4	0.2
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	4	0.2
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	4	0.2
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	4	0.2
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	4	0.2
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	4	0.2
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	4	0.2
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	4	0.2
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	4	0.2
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	4	0.2
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	4	0.2
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	4	0.2
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	4	0.2
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	4	0.2
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	4	0.2
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	4	0.2
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	4	0.2
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	4	0.2
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	0.2
(2,3)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	0.2
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	0.2
(2,3)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	0.2
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	0.2
(2,3)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	0.2
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	0.2
(2,2)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	0.2
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	0.2
(2,2)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	0.2
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	0.2
(2,2)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	0.2
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD2	2	0.2
(2,1)	1:679:C:LEU:HD21	1:683:C:ARG:HD3	2	0.2
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD2	2	0.2
(2,1)	1:679:C:LEU:HD22	1:683:C:ARG:HD3	2	0.2
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD2	2	0.2
(2,1)	1:679:C:LEU:HD23	1:683:C:ARG:HD3	2	0.2
(1,70)	1:753:C:LEU:O	1:757:C:TRP:N	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,44)	1:753:C:LEU:O	1:757:C:TRP:N	15	0.2
(1,18)	1:753:C:LEU:O	1:757:C:TRP:N	15	0.2
(2,1093)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	5	0.19
(2,1085)	1:785:C:LEU:HD21	1:782:C:VAL:HA	13	0.19
(2,1085)	1:785:C:LEU:HD22	1:782:C:VAL:HA	13	0.19
(2,1085)	1:785:C:LEU:HD23	1:782:C:VAL:HA	13	0.19
(2,1035)	1:777:C:ILE:HD11	1:774:C:LEU:HA	6	0.19
(2,1035)	1:777:C:ILE:HD12	1:774:C:LEU:HA	6	0.19
(2,1035)	1:777:C:ILE:HD13	1:774:C:LEU:HA	6	0.19
(2,1035)	1:777:C:ILE:HD11	1:774:C:LEU:HA	14	0.19
(2,1035)	1:777:C:ILE:HD12	1:774:C:LEU:HA	14	0.19
(2,1035)	1:777:C:ILE:HD13	1:774:C:LEU:HA	14	0.19
(2,1018)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.19
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	9	0.19
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	9	0.19
(2,984)	1:757:C:TRP:HE1	1:753:C:LEU:HG	3	0.19
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	14	0.19
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	14	0.19
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	14	0.19
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	14	0.19
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	14	0.19
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	14	0.19
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	6	0.19
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	6	0.19
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.19
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.19
(2,913)	1:709:C:ARG:HE	1:709:C:ARG:H	15	0.19
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	7	0.19
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	7	0.19
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	7	0.19
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	7	0.19
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	7	0.19
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	7	0.19
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	5	0.19
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	5	0.19
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	5	0.19
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	5	0.19
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	5	0.19
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	5	0.19
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	12	0.19
(2,904)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	12	0.19
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,904)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	12	0.19
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	12	0.19
(2,904)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	12	0.19
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.19
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.19
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.19
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.19
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.19
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.19
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.19
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.19
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.19
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.19
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.19
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	1	0.19
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	1	0.19
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	1	0.19
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	1	0.19
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	1	0.19
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	1	0.19
(2,817)	1:695:C:LEU:H	1:691:C:SER:HA	14	0.19
(2,809)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	15	0.19
(2,794)	1:686:C:ILE:HD11	1:685:C:PHE:H	14	0.19
(2,794)	1:686:C:ILE:HD12	1:685:C:PHE:H	14	0.19
(2,794)	1:686:C:ILE:HD13	1:685:C:PHE:H	14	0.19
(2,793)	1:686:C:ILE:HD11	1:683:C:ARG:HA	3	0.19
(2,793)	1:686:C:ILE:HD12	1:683:C:ARG:HA	3	0.19
(2,793)	1:686:C:ILE:HD13	1:683:C:ARG:HA	3	0.19
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	5	0.19
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	5	0.19
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	5	0.19
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	5	0.19
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	5	0.19
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	5	0.19
(2,766)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	5	0.19
(2,758)	1:785:C:LEU:HD21	1:782:C:VAL:HA	13	0.19
(2,758)	1:785:C:LEU:HD22	1:782:C:VAL:HA	13	0.19
(2,758)	1:785:C:LEU:HD23	1:782:C:VAL:HA	13	0.19
(2,708)	1:777:C:ILE:HD11	1:774:C:LEU:HA	6	0.19
(2,708)	1:777:C:ILE:HD12	1:774:C:LEU:HA	6	0.19
(2,708)	1:777:C:ILE:HD13	1:774:C:LEU:HA	6	0.19
(2,708)	1:777:C:ILE:HD11	1:774:C:LEU:HA	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,708)	1:777:C:ILE:HD12	1:774:C:LEU:HA	14	0.19
(2,708)	1:777:C:ILE:HD13	1:774:C:LEU:HA	14	0.19
(2,691)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.19
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	9	0.19
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	9	0.19
(2,657)	1:757:C:TRP:HE1	1:753:C:LEU:HG	3	0.19
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	14	0.19
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	14	0.19
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	14	0.19
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	14	0.19
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	14	0.19
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	14	0.19
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	6	0.19
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	6	0.19
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.19
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.19
(2,586)	1:709:C:ARG:HE	1:709:C:ARG:H	15	0.19
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	7	0.19
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	7	0.19
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	7	0.19
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	7	0.19
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	7	0.19
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	7	0.19
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	5	0.19
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	5	0.19
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	5	0.19
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	5	0.19
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	5	0.19
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	5	0.19
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	12	0.19
(2,577)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	12	0.19
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	12	0.19
(2,577)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	12	0.19
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	12	0.19
(2,577)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	12	0.19
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.19
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.19
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.19
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.19
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.19
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.19
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.19
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.19
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.19
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.19
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	1	0.19
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	1	0.19
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	1	0.19
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	1	0.19
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	1	0.19
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	1	0.19
(2,490)	1:695:C:LEU:H	1:691:C:SER:HA	14	0.19
(2,482)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	15	0.19
(2,467)	1:686:C:ILE:HD11	1:685:C:PHE:H	14	0.19
(2,467)	1:686:C:ILE:HD12	1:685:C:PHE:H	14	0.19
(2,467)	1:686:C:ILE:HD13	1:685:C:PHE:H	14	0.19
(2,466)	1:686:C:ILE:HD11	1:683:C:ARG:HA	3	0.19
(2,466)	1:686:C:ILE:HD12	1:683:C:ARG:HA	3	0.19
(2,466)	1:686:C:ILE:HD13	1:683:C:ARG:HA	3	0.19
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	5	0.19
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	5	0.19
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	5	0.19
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	5	0.19
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	5	0.19
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	5	0.19
(2,439)	1:761:C:ARG:HH21	1:758:C:ASP:OD2	5	0.19
(2,431)	1:785:C:LEU:HD21	1:782:C:VAL:HA	13	0.19
(2,431)	1:785:C:LEU:HD22	1:782:C:VAL:HA	13	0.19
(2,431)	1:785:C:LEU:HD23	1:782:C:VAL:HA	13	0.19
(2,381)	1:777:C:ILE:HD11	1:774:C:LEU:HA	6	0.19
(2,381)	1:777:C:ILE:HD12	1:774:C:LEU:HA	6	0.19
(2,381)	1:777:C:ILE:HD13	1:774:C:LEU:HA	6	0.19
(2,381)	1:777:C:ILE:HD11	1:774:C:LEU:HA	14	0.19
(2,381)	1:777:C:ILE:HD12	1:774:C:LEU:HA	14	0.19
(2,381)	1:777:C:ILE:HD13	1:774:C:LEU:HA	14	0.19
(2,364)	1:775:C:LEU:H	1:772:C:ARG:HA	15	0.19
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	9	0.19
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	9	0.19
(2,330)	1:757:C:TRP:HE1	1:753:C:LEU:HG	3	0.19
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	14	0.19
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	14	0.19
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	14	0.19
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	14	0.19
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	14	0.19
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	6	0.19
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	6	0.19
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	12	0.19
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	12	0.19
(2,259)	1:709:C:ARG:HE	1:709:C:ARG:H	15	0.19
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	7	0.19
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	7	0.19
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	7	0.19
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	7	0.19
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	7	0.19
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	7	0.19
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	5	0.19
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	5	0.19
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	5	0.19
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	5	0.19
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	5	0.19
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	5	0.19
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD2	12	0.19
(2,250)	1:708:C:VAL:HG21	1:707:C:ARG:HD3	12	0.19
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD2	12	0.19
(2,250)	1:708:C:VAL:HG22	1:707:C:ARG:HD3	12	0.19
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD2	12	0.19
(2,250)	1:708:C:VAL:HG23	1:707:C:ARG:HD3	12	0.19
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	14	0.19
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	14	0.19
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	1	0.19
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	1	0.19
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	1	0.19
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	1	0.19
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	1	0.19
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	1	0.19
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	4	0.19
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	5	0.19
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	7	0.19
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	1	0.19
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	1	0.19
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	1	0.19
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	1	0.19
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	1	0.19
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,163)	1:695:C:LEU:H	1:691:C:SER:HA	14	0.19
(2,155)	1:692:C:LEU:HD13	1:696:C:ARG:HH11	15	0.19
(2,140)	1:686:C:ILE:HD11	1:685:C:PHE:H	14	0.19
(2,140)	1:686:C:ILE:HD12	1:685:C:PHE:H	14	0.19
(2,140)	1:686:C:ILE:HD13	1:685:C:PHE:H	14	0.19
(2,139)	1:686:C:ILE:HD11	1:683:C:ARG:HA	3	0.19
(2,139)	1:686:C:ILE:HD12	1:683:C:ARG:HA	3	0.19
(2,139)	1:686:C:ILE:HD13	1:683:C:ARG:HA	3	0.19
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	5	0.19
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	5	0.19
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	5	0.19
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	5	0.19
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	5	0.19
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	5	0.19
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.19
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.19
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.19
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.19
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.19
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.19
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.19
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.19
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.19
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.19
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.19
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.19
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	15	0.19
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	15	0.19
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	15	0.19
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	15	0.19
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	15	0.19
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	15	0.19
(2,1079)	1:785:C:LEU:H	1:782:C:VAL:HA	12	0.18
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	8	0.18
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	5	0.18
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	8	0.18
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	8	0.18
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	8	0.18
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	8	0.18
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	8	0.18
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	8	0.18
(2,1023)	1:775:C:LEU:HD11	1:772:C:ARG:HA	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,1023)	1:775:C:LEU:HD12	1:772:C:ARG:HA	8	0.18
(2,1023)	1:775:C:LEU:HD13	1:772:C:ARG:HA	8	0.18
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	7	0.18
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	5	0.18
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	5	0.18
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	5	0.18
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	5	0.18
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	5	0.18
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	5	0.18
(2,998)	1:763:C:LEU:HD11	1:759:C:ASP:HA	8	0.18
(2,998)	1:763:C:LEU:HD12	1:759:C:ASP:HA	8	0.18
(2,998)	1:763:C:LEU:HD13	1:759:C:ASP:HA	8	0.18
(2,995)	1:760:C:LEU:HD11	1:757:C:TRP:HZ2	15	0.18
(2,995)	1:760:C:LEU:HD12	1:757:C:TRP:HZ2	15	0.18
(2,995)	1:760:C:LEU:HD13	1:757:C:TRP:HZ2	15	0.18
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	1	0.18
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	1	0.18
(2,957)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.18
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	2	0.18
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	2	0.18
(2,948)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	7	0.18
(2,948)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	7	0.18
(2,948)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	7	0.18
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	10	0.18
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	10	0.18
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	10	0.18
(2,947)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	11	0.18
(2,947)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	11	0.18
(2,947)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	11	0.18
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	8	0.18
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.18
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	4	0.18
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	13	0.18
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	6	0.18
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	6	0.18
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	6	0.18
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	6	0.18
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	6	0.18
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	6	0.18
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.18
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.18
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.18
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.18
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.18
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD11	8	0.18
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD12	8	0.18
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD13	8	0.18
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD21	8	0.18
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD22	8	0.18
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD23	8	0.18
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	11	0.18
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	11	0.18
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.18
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.18
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.18
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	8	0.18
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	8	0.18
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	8	0.18
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	8	0.18
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	8	0.18
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	8	0.18
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.18
(2,838)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.18
(2,827)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	2	0.18
(2,827)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	2	0.18
(2,827)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	2	0.18
(2,827)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	2	0.18
(2,827)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	2	0.18
(2,827)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	2	0.18
(2,821)	1:695:C:LEU:HD21	1:698:C:VAL:HB	3	0.18
(2,821)	1:695:C:LEU:HD22	1:698:C:VAL:HB	3	0.18
(2,821)	1:695:C:LEU:HD23	1:698:C:VAL:HB	3	0.18
(2,802)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	8	0.18
(2,802)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	8	0.18
(2,802)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	8	0.18
(2,802)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	8	0.18
(2,802)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	8	0.18
(2,802)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	8	0.18
(2,793)	1:686:C:ILE:HD11	1:683:C:ARG:HA	11	0.18
(2,793)	1:686:C:ILE:HD12	1:683:C:ARG:HA	11	0.18
(2,793)	1:686:C:ILE:HD13	1:683:C:ARG:HA	11	0.18
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	10	0.18
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	10	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	10	0.18
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	10	0.18
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	10	0.18
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	10	0.18
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.18
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.18
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.18
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	3	0.18
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	3	0.18
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	3	0.18
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.18
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.18
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	1	0.18
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	1	0.18
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	1	0.18
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	1	0.18
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	1	0.18
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	1	0.18
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	5	0.18
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	5	0.18
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	5	0.18
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	5	0.18
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	5	0.18
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	5	0.18
(2,752)	1:785:C:LEU:H	1:782:C:VAL:HA	12	0.18
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	8	0.18
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	5	0.18
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	8	0.18
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	8	0.18
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	8	0.18
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	8	0.18
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	8	0.18
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	8	0.18
(2,696)	1:775:C:LEU:HD11	1:772:C:ARG:HA	8	0.18
(2,696)	1:775:C:LEU:HD12	1:772:C:ARG:HA	8	0.18
(2,696)	1:775:C:LEU:HD13	1:772:C:ARG:HA	8	0.18
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	7	0.18
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	5	0.18
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	5	0.18
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	5	0.18
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	5	0.18
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	5	0.18
(2,671)	1:763:C:LEU:HD11	1:759:C:ASP:HA	8	0.18
(2,671)	1:763:C:LEU:HD12	1:759:C:ASP:HA	8	0.18
(2,671)	1:763:C:LEU:HD13	1:759:C:ASP:HA	8	0.18
(2,668)	1:760:C:LEU:HD11	1:757:C:TRP:HZ2	15	0.18
(2,668)	1:760:C:LEU:HD12	1:757:C:TRP:HZ2	15	0.18
(2,668)	1:760:C:LEU:HD13	1:757:C:TRP:HZ2	15	0.18
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	1	0.18
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	1	0.18
(2,630)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.18
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	2	0.18
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	2	0.18
(2,621)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	7	0.18
(2,621)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	7	0.18
(2,621)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	7	0.18
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	10	0.18
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	10	0.18
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	10	0.18
(2,620)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	11	0.18
(2,620)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	11	0.18
(2,620)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	11	0.18
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	8	0.18
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.18
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	4	0.18
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	13	0.18
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	6	0.18
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	6	0.18
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	6	0.18
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	6	0.18
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	6	0.18
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	6	0.18
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.18
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.18
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.18
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.18
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.18
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.18
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD11	8	0.18
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD12	8	0.18
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD13	8	0.18
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD21	8	0.18
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD22	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD23	8	0.18
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	11	0.18
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	11	0.18
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.18
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.18
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.18
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	8	0.18
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	8	0.18
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	8	0.18
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	8	0.18
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	8	0.18
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	8	0.18
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.18
(2,511)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.18
(2,500)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	2	0.18
(2,500)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	2	0.18
(2,500)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	2	0.18
(2,500)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	2	0.18
(2,500)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	2	0.18
(2,500)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	2	0.18
(2,494)	1:695:C:LEU:HD21	1:698:C:VAL:HB	3	0.18
(2,494)	1:695:C:LEU:HD22	1:698:C:VAL:HB	3	0.18
(2,494)	1:695:C:LEU:HD23	1:698:C:VAL:HB	3	0.18
(2,475)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	8	0.18
(2,475)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	8	0.18
(2,475)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	8	0.18
(2,475)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	8	0.18
(2,475)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	8	0.18
(2,475)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	8	0.18
(2,466)	1:686:C:ILE:HD11	1:683:C:ARG:HA	11	0.18
(2,466)	1:686:C:ILE:HD12	1:683:C:ARG:HA	11	0.18
(2,466)	1:686:C:ILE:HD13	1:683:C:ARG:HA	11	0.18
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	10	0.18
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	10	0.18
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	10	0.18
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	10	0.18
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	10	0.18
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	10	0.18
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.18
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.18
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.18
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	3	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	3	0.18
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	3	0.18
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.18
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.18
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	1	0.18
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	1	0.18
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	1	0.18
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	1	0.18
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	1	0.18
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	1	0.18
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	5	0.18
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	5	0.18
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	5	0.18
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	5	0.18
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	5	0.18
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	5	0.18
(2,425)	1:785:C:LEU:H	1:782:C:VAL:HA	12	0.18
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	8	0.18
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	5	0.18
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	8	0.18
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	8	0.18
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	8	0.18
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	8	0.18
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	8	0.18
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	8	0.18
(2,369)	1:775:C:LEU:HD11	1:772:C:ARG:HA	8	0.18
(2,369)	1:775:C:LEU:HD12	1:772:C:ARG:HA	8	0.18
(2,369)	1:775:C:LEU:HD13	1:772:C:ARG:HA	8	0.18
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	7	0.18
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	5	0.18
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	5	0.18
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	5	0.18
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	5	0.18
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	5	0.18
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	5	0.18
(2,344)	1:763:C:LEU:HD11	1:759:C:ASP:HA	8	0.18
(2,344)	1:763:C:LEU:HD12	1:759:C:ASP:HA	8	0.18
(2,344)	1:763:C:LEU:HD13	1:759:C:ASP:HA	8	0.18
(2,341)	1:760:C:LEU:HD11	1:757:C:TRP:HZ2	15	0.18
(2,341)	1:760:C:LEU:HD12	1:757:C:TRP:HZ2	15	0.18
(2,341)	1:760:C:LEU:HD13	1:757:C:TRP:HZ2	15	0.18
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	1	0.18
(2,303)	1:749:C:VAL:H	1:746:C:ILE:HA	15	0.18
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	2	0.18
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	2	0.18
(2,294)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	7	0.18
(2,294)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	7	0.18
(2,294)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	7	0.18
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	10	0.18
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	10	0.18
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	10	0.18
(2,293)	1:746:C:ILE:HG21	1:750:C:ASN:HD21	11	0.18
(2,293)	1:746:C:ILE:HG22	1:750:C:ASN:HD21	11	0.18
(2,293)	1:746:C:ILE:HG23	1:750:C:ASN:HD21	11	0.18
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	8	0.18
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	15	0.18
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	4	0.18
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	13	0.18
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	6	0.18
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	6	0.18
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	6	0.18
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	6	0.18
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	6	0.18
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	6	0.18
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	12	0.18
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	12	0.18
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	12	0.18
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	12	0.18
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	12	0.18
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	12	0.18
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD11	8	0.18
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD12	8	0.18
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD13	8	0.18
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD21	8	0.18
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD22	8	0.18
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD23	8	0.18
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	11	0.18
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	11	0.18
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	14	0.18
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	14	0.18
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	14	0.18
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	8	0.18
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	8	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	8	0.18
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	8	0.18
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	8	0.18
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	8	0.18
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	11	0.18
(2,184)	1:700:C:ALA:H	1:699:C:PHE:HA	12	0.18
(2,173)	1:697:C:ILE:HG21	1:694:C:GLY:HA2	2	0.18
(2,173)	1:697:C:ILE:HG21	1:694:C:GLY:HA3	2	0.18
(2,173)	1:697:C:ILE:HG22	1:694:C:GLY:HA2	2	0.18
(2,173)	1:697:C:ILE:HG22	1:694:C:GLY:HA3	2	0.18
(2,173)	1:697:C:ILE:HG23	1:694:C:GLY:HA2	2	0.18
(2,173)	1:697:C:ILE:HG23	1:694:C:GLY:HA3	2	0.18
(2,167)	1:695:C:LEU:HD21	1:698:C:VAL:HB	3	0.18
(2,167)	1:695:C:LEU:HD22	1:698:C:VAL:HB	3	0.18
(2,167)	1:695:C:LEU:HD23	1:698:C:VAL:HB	3	0.18
(2,148)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	8	0.18
(2,148)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	8	0.18
(2,148)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	8	0.18
(2,148)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	8	0.18
(2,148)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	8	0.18
(2,148)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	8	0.18
(2,139)	1:686:C:ILE:HD11	1:683:C:ARG:HA	11	0.18
(2,139)	1:686:C:ILE:HD12	1:683:C:ARG:HA	11	0.18
(2,139)	1:686:C:ILE:HD13	1:683:C:ARG:HA	11	0.18
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	10	0.18
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	10	0.18
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	10	0.18
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	10	0.18
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	10	0.18
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	10	0.18
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	2	0.18
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	2	0.18
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	2	0.18
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	3	0.18
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	3	0.18
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	3	0.18
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	1	0.18
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	7	0.18
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	1	0.18
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	1	0.18
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	1	0.18
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	1	0.18
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	1	0.18
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	5	0.18
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	5	0.18
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	5	0.18
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	5	0.18
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	5	0.18
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	5	0.18
(1,76)	1:756:C:ILE:O	1:760:C:LEU:N	5	0.18
(1,50)	1:756:C:ILE:O	1:760:C:LEU:N	5	0.18
(1,24)	1:756:C:ILE:O	1:760:C:LEU:N	5	0.18
(2,1092)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	5	0.17
(2,1065)	1:783:C:GLU:H	1:780:C:ARG:HA	10	0.17
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	15	0.17
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	6	0.17
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	2	0.17
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	8	0.17
(2,1024)	1:776:C:LEU:H	1:773:C:ASP:HA	1	0.17
(2,982)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	6	0.17
(2,982)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	6	0.17
(2,982)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	6	0.17
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB2	8	0.17
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB3	8	0.17
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	3	0.17
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	3	0.17
(2,948)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	1	0.17
(2,948)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	1	0.17
(2,948)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	1	0.17
(2,920)	1:710:C:GLN:H	1:710:C:GLN:HB2	3	0.17
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG11	9	0.17
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG12	9	0.17
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG13	9	0.17
(2,906)	1:709:C:ARG:H	1:706:C:ASN:HA	7	0.17
(2,882)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.17
(2,869)	1:704:C:LEU:HD11	1:707:C:ARG:HE	10	0.17
(2,869)	1:704:C:LEU:HD12	1:707:C:ARG:HE	10	0.17
(2,869)	1:704:C:LEU:HD13	1:707:C:ARG:HE	10	0.17
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.17
(2,844)	1:701:C:VAL:H	1:698:C:VAL:HA	12	0.17
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.17
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.17
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.17
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.17
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.17
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.17
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.17
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.17
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	14	0.17
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	14	0.17
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	14	0.17
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.17
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.17
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.17
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.17
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.17
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.17
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	8	0.17
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	8	0.17
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	8	0.17
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	8	0.17
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	8	0.17
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,769)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	15	0.17
(2,769)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	15	0.17
(2,769)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	15	0.17
(2,769)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	15	0.17
(2,769)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	15	0.17
(2,769)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	15	0.17
(2,765)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	5	0.17
(2,738)	1:783:C:GLU:H	1:780:C:ARG:HA	10	0.17
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	15	0.17
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	6	0.17
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	2	0.17
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	8	0.17
(2,697)	1:776:C:LEU:H	1:773:C:ASP:HA	1	0.17
(2,655)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	6	0.17
(2,655)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	6	0.17
(2,655)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	6	0.17
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB2	8	0.17
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB3	8	0.17
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	3	0.17
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	3	0.17
(2,621)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	1	0.17
(2,621)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	1	0.17
(2,621)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	1	0.17
(2,593)	1:710:C:GLN:H	1:710:C:GLN:HB2	3	0.17
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG11	9	0.17
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG12	9	0.17
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG13	9	0.17
(2,579)	1:709:C:ARG:H	1:706:C:ASN:HA	7	0.17
(2,555)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.17
(2,542)	1:704:C:LEU:HD11	1:707:C:ARG:HE	10	0.17
(2,542)	1:704:C:LEU:HD12	1:707:C:ARG:HE	10	0.17
(2,542)	1:704:C:LEU:HD13	1:707:C:ARG:HE	10	0.17
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.17
(2,517)	1:701:C:VAL:H	1:698:C:VAL:HA	12	0.17
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.17
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.17
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.17
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.17
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.17
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.17
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.17
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.17
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.17
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.17
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.17
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.17
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.17
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.17
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.17
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	14	0.17
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	14	0.17
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	14	0.17
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.17
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.17
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.17
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.17
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.17
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.17
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	8	0.17
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	8	0.17
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	8	0.17
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	8	0.17
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	8	0.17
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	8	0.17
(2,442)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	15	0.17
(2,442)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	15	0.17
(2,442)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	15	0.17
(2,442)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	15	0.17
(2,442)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,442)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	15	0.17
(2,438)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	5	0.17
(2,411)	1:783:C:GLU:H	1:780:C:ARG:HA	10	0.17
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	15	0.17
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	6	0.17
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	2	0.17
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	8	0.17
(2,370)	1:776:C:LEU:H	1:773:C:ASP:HA	1	0.17
(2,328)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	6	0.17
(2,328)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	6	0.17
(2,328)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	6	0.17
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB2	8	0.17
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB3	8	0.17
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	3	0.17
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	3	0.17
(2,294)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	1	0.17
(2,294)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	1	0.17
(2,294)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	1	0.17
(2,266)	1:710:C:GLN:H	1:710:C:GLN:HB2	3	0.17
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG11	9	0.17
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG12	9	0.17
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG13	9	0.17
(2,252)	1:709:C:ARG:H	1:706:C:ASN:HA	7	0.17
(2,228)	1:706:C:ASN:H	1:703:C:SER:HA	2	0.17
(2,215)	1:704:C:LEU:HD11	1:707:C:ARG:HE	10	0.17
(2,215)	1:704:C:LEU:HD12	1:707:C:ARG:HE	10	0.17
(2,215)	1:704:C:LEU:HD13	1:707:C:ARG:HE	10	0.17
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	15	0.17
(2,190)	1:701:C:VAL:H	1:698:C:VAL:HA	12	0.17
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	1	0.17
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	1	0.17
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	1	0.17
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	5	0.17
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	5	0.17
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	5	0.17
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	2	0.17
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	2	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	2	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	2	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	2	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	2	0.17
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	5	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	5	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	5	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	5	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	5	0.17
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	7	0.17
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	7	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	7	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	7	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	7	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	7	0.17
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	9	0.17
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	9	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	9	0.17
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	9	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	9	0.17
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	9	0.17
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	14	0.17
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	14	0.17
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	14	0.17
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	9	0.17
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	9	0.17
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	9	0.17
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	9	0.17
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	9	0.17
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	9	0.17
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	8	0.17
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	8	0.17
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	8	0.17
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	8	0.17
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	8	0.17
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	8	0.17
(2,115)	1:679:C:LEU:HD11	1:678:C:TRP:HD1	15	0.17
(2,115)	1:679:C:LEU:HD12	1:678:C:TRP:HD1	15	0.17
(2,115)	1:679:C:LEU:HD13	1:678:C:TRP:HD1	15	0.17
(2,115)	1:679:C:LEU:HD21	1:678:C:TRP:HD1	15	0.17
(2,115)	1:679:C:LEU:HD22	1:678:C:TRP:HD1	15	0.17
(2,115)	1:679:C:LEU:HD23	1:678:C:TRP:HD1	15	0.17
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.17
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.17
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.17
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.17
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.17
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.17
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.17
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.17
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.17
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.17
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.17
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	10	0.17
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	10	0.17
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	10	0.17
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	10	0.17
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	10	0.17
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	10	0.17
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.17
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	2	0.17
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	2	0.17
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	2	0.17
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	2	0.17
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	2	0.17
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.17
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.17
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.17
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.17
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.17
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.17
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.17
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	2	0.17
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	2	0.17
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	2	0.17
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	2	0.17
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	2	0.17
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.17
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.17
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.17
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.17
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.17
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.17
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	2	0.17
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	2	0.17
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	2	0.17
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	2	0.17
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	2	0.17
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	15	0.17
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	15	0.17
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	15	0.17
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	15	0.17
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	15	0.17
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	15	0.17
(2,1094)	1:770:C:ARG:HH21	1:773:C:ASP:OD1	15	0.16
(2,1092)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	9	0.16
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD2	3	0.16
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD3	3	0.16
(2,1065)	1:783:C:GLU:H	1:780:C:ARG:HA	14	0.16
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	14	0.16
(2,1035)	1:777:C:ILE:HD11	1:774:C:LEU:HA	4	0.16
(2,1035)	1:777:C:ILE:HD12	1:774:C:LEU:HA	4	0.16
(2,1035)	1:777:C:ILE:HD13	1:774:C:LEU:HA	4	0.16
(2,1014)	1:774:C:LEU:H	1:764:C:SER:HA	3	0.16
(2,1002)	1:764:C:SER:H	1:771:C:LEU:HB2	2	0.16
(2,1002)	1:764:C:SER:H	1:771:C:LEU:HB3	2	0.16
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	1	0.16
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	1	0.16
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	1	0.16
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	1	0.16
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	1	0.16
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	1	0.16
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	12	0.16
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	12	0.16
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	12	0.16
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	12	0.16
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	12	0.16
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	12	0.16
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	14	0.16
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	14	0.16
(2,984)	1:757:C:TRP:HE1	1:753:C:LEU:HG	11	0.16
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.16
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.16
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.16
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.16
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.16
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.16
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	9	0.16
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	9	0.16
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	9	0.16
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	9	0.16
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	9	0.16
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	5	0.16
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	5	0.16
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB2	15	0.16
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB3	15	0.16
(2,957)	1:749:C:VAL:H	1:746:C:ILE:HA	9	0.16
(2,944)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	12	0.16
(2,944)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	12	0.16
(2,944)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	12	0.16
(2,944)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	12	0.16
(2,944)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	12	0.16
(2,944)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	12	0.16
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG11	7	0.16
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG12	7	0.16
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG13	7	0.16
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG11	14	0.16
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG12	14	0.16
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG13	14	0.16
(2,898)	1:708:C:VAL:H	1:705:C:VAL:HA	4	0.16
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	5	0.16
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	5	0.16
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	11	0.16
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	11	0.16
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	7	0.16
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.16
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.16
(2,882)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.16
(2,878)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	12	0.16
(2,878)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	12	0.16
(2,878)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	12	0.16
(2,878)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	12	0.16
(2,878)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	12	0.16
(2,878)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	12	0.16
(2,871)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.16
(2,860)	1:704:C:LEU:H	1:701:C:VAL:HA	6	0.16
(2,856)	1:703:C:SER:H	1:700:C:ALA:HA	2	0.16
(2,856)	1:703:C:SER:H	1:700:C:ALA:HA	12	0.16
(2,844)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,831)	1:698:C:VAL:HG11	1:695:C:LEU:HG	2	0.16
(2,831)	1:698:C:VAL:HG12	1:695:C:LEU:HG	2	0.16
(2,831)	1:698:C:VAL:HG13	1:695:C:LEU:HG	2	0.16
(2,831)	1:698:C:VAL:HG11	1:695:C:LEU:HG	11	0.16
(2,831)	1:698:C:VAL:HG12	1:695:C:LEU:HG	11	0.16
(2,831)	1:698:C:VAL:HG13	1:695:C:LEU:HG	11	0.16
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	11	0.16
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	11	0.16
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	11	0.16
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	11	0.16
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	11	0.16
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	11	0.16
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	11	0.16
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	11	0.16
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	11	0.16
(2,826)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.16
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	11	0.16
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	11	0.16
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	11	0.16
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	11	0.16
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	11	0.16
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	11	0.16
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.16
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.16
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.16
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.16
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.16
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.16
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.16
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.16
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.16
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.16
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.16
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.16
(2,794)	1:686:C:ILE:HD11	1:685:C:PHE:H	3	0.16
(2,794)	1:686:C:ILE:HD12	1:685:C:PHE:H	3	0.16
(2,794)	1:686:C:ILE:HD13	1:685:C:PHE:H	3	0.16
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.16
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.16
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.16
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.16
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.16
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.16
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.16
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.16
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.16
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.16
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.16
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.16
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	14	0.16
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	14	0.16
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	14	0.16
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	14	0.16
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	14	0.16
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	14	0.16
(2,770)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	1	0.16
(2,770)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	1	0.16
(2,770)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	1	0.16
(2,770)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	1	0.16
(2,770)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	1	0.16
(2,770)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	1	0.16
(2,767)	1:770:C:ARG:HH21	1:773:C:ASP:OD1	15	0.16
(2,765)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	9	0.16
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD2	3	0.16
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD3	3	0.16
(2,738)	1:783:C:GLU:H	1:780:C:ARG:HA	14	0.16
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	14	0.16
(2,708)	1:777:C:ILE:HD11	1:774:C:LEU:HA	4	0.16
(2,708)	1:777:C:ILE:HD12	1:774:C:LEU:HA	4	0.16
(2,708)	1:777:C:ILE:HD13	1:774:C:LEU:HA	4	0.16
(2,687)	1:774:C:LEU:H	1:764:C:SER:HA	3	0.16
(2,675)	1:764:C:SER:H	1:771:C:LEU:HB2	2	0.16
(2,675)	1:764:C:SER:H	1:771:C:LEU:HB3	2	0.16
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	1	0.16
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	1	0.16
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	1	0.16
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	1	0.16
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	1	0.16
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	1	0.16
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	12	0.16
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	12	0.16
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	12	0.16
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	12	0.16
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	12	0.16
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	14	0.16
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	14	0.16
(2,657)	1:757:C:TRP:HE1	1:753:C:LEU:HG	11	0.16
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.16
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.16
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.16
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.16
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.16
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.16
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	9	0.16
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	9	0.16
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	9	0.16
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	9	0.16
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	9	0.16
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	9	0.16
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	5	0.16
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	5	0.16
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB2	15	0.16
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB3	15	0.16
(2,630)	1:749:C:VAL:H	1:746:C:ILE:HA	9	0.16
(2,617)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	12	0.16
(2,617)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	12	0.16
(2,617)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	12	0.16
(2,617)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	12	0.16
(2,617)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	12	0.16
(2,617)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	12	0.16
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG11	7	0.16
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG12	7	0.16
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG13	7	0.16
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG11	14	0.16
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG12	14	0.16
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG13	14	0.16
(2,571)	1:708:C:VAL:H	1:705:C:VAL:HA	4	0.16
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	5	0.16
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	5	0.16
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	11	0.16
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	11	0.16
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	7	0.16
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.16
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,555)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.16
(2,551)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	12	0.16
(2,551)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	12	0.16
(2,551)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	12	0.16
(2,551)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	12	0.16
(2,551)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	12	0.16
(2,551)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	12	0.16
(2,544)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.16
(2,533)	1:704:C:LEU:H	1:701:C:VAL:HA	6	0.16
(2,529)	1:703:C:SER:H	1:700:C:ALA:HA	2	0.16
(2,529)	1:703:C:SER:H	1:700:C:ALA:HA	12	0.16
(2,517)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.16
(2,504)	1:698:C:VAL:HG11	1:695:C:LEU:HG	2	0.16
(2,504)	1:698:C:VAL:HG12	1:695:C:LEU:HG	2	0.16
(2,504)	1:698:C:VAL:HG13	1:695:C:LEU:HG	2	0.16
(2,504)	1:698:C:VAL:HG11	1:695:C:LEU:HG	11	0.16
(2,504)	1:698:C:VAL:HG12	1:695:C:LEU:HG	11	0.16
(2,504)	1:698:C:VAL:HG13	1:695:C:LEU:HG	11	0.16
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	11	0.16
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	11	0.16
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	11	0.16
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	11	0.16
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	11	0.16
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	11	0.16
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	11	0.16
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	11	0.16
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	11	0.16
(2,499)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.16
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	11	0.16
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	11	0.16
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	11	0.16
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	11	0.16
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	11	0.16
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	11	0.16
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.16
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.16
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.16
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.16
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.16
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.16
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.16
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.16
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.16
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.16
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.16
(2,467)	1:686:C:ILE:HD11	1:685:C:PHE:H	3	0.16
(2,467)	1:686:C:ILE:HD12	1:685:C:PHE:H	3	0.16
(2,467)	1:686:C:ILE:HD13	1:685:C:PHE:H	3	0.16
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.16
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.16
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.16
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.16
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.16
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.16
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.16
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.16
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.16
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.16
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.16
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.16
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.16
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	14	0.16
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	14	0.16
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	14	0.16
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	14	0.16
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	14	0.16
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	14	0.16
(2,443)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	1	0.16
(2,443)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	1	0.16
(2,443)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	1	0.16
(2,443)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	1	0.16
(2,443)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	1	0.16
(2,443)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	1	0.16
(2,440)	1:770:C:ARG:HH21	1:773:C:ASP:OD1	15	0.16
(2,438)	1:744:C:ARG:HH11	1:741:C:ASP:OD1	9	0.16
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD2	3	0.16
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD3	3	0.16
(2,411)	1:783:C:GLU:H	1:780:C:ARG:HA	14	0.16
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	14	0.16
(2,381)	1:777:C:ILE:HD11	1:774:C:LEU:HA	4	0.16
(2,381)	1:777:C:ILE:HD12	1:774:C:LEU:HA	4	0.16
(2,381)	1:777:C:ILE:HD13	1:774:C:LEU:HA	4	0.16
(2,360)	1:774:C:LEU:H	1:764:C:SER:HA	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,348)	1:764:C:SER:H	1:771:C:LEU:HB2	2	0.16
(2,348)	1:764:C:SER:H	1:771:C:LEU:HB3	2	0.16
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	1	0.16
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	1	0.16
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	1	0.16
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	1	0.16
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	1	0.16
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	1	0.16
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	12	0.16
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	12	0.16
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	12	0.16
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	12	0.16
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	12	0.16
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	12	0.16
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	14	0.16
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	14	0.16
(2,330)	1:757:C:TRP:HE1	1:753:C:LEU:HG	11	0.16
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	8	0.16
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	8	0.16
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	8	0.16
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	8	0.16
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	8	0.16
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	8	0.16
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	9	0.16
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	9	0.16
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	9	0.16
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	9	0.16
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	9	0.16
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	9	0.16
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	5	0.16
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	5	0.16
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB2	15	0.16
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB3	15	0.16
(2,303)	1:749:C:VAL:H	1:746:C:ILE:HA	9	0.16
(2,290)	1:746:C:ILE:HD11	1:742:C:ARG:HD2	12	0.16
(2,290)	1:746:C:ILE:HD11	1:742:C:ARG:HD3	12	0.16
(2,290)	1:746:C:ILE:HD12	1:742:C:ARG:HD2	12	0.16
(2,290)	1:746:C:ILE:HD12	1:742:C:ARG:HD3	12	0.16
(2,290)	1:746:C:ILE:HD13	1:742:C:ARG:HD2	12	0.16
(2,290)	1:746:C:ILE:HD13	1:742:C:ARG:HD3	12	0.16
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG11	7	0.16
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG12	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG13	7	0.16
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG11	14	0.16
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG12	14	0.16
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG13	14	0.16
(2,244)	1:708:C:VAL:H	1:705:C:VAL:HA	4	0.16
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	5	0.16
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	5	0.16
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	11	0.16
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	11	0.16
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	7	0.16
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	11	0.16
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	13	0.16
(2,228)	1:706:C:ASN:H	1:703:C:SER:HA	12	0.16
(2,224)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	12	0.16
(2,224)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	12	0.16
(2,224)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	12	0.16
(2,224)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	12	0.16
(2,224)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	12	0.16
(2,224)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	12	0.16
(2,217)	1:705:C:VAL:H	1:702:C:LEU:HA	9	0.16
(2,206)	1:704:C:LEU:H	1:701:C:VAL:HA	6	0.16
(2,202)	1:703:C:SER:H	1:700:C:ALA:HA	2	0.16
(2,202)	1:703:C:SER:H	1:700:C:ALA:HA	12	0.16
(2,190)	1:701:C:VAL:H	1:698:C:VAL:HA	5	0.16
(2,177)	1:698:C:VAL:HG11	1:695:C:LEU:HG	2	0.16
(2,177)	1:698:C:VAL:HG12	1:695:C:LEU:HG	2	0.16
(2,177)	1:698:C:VAL:HG13	1:695:C:LEU:HG	2	0.16
(2,177)	1:698:C:VAL:HG11	1:695:C:LEU:HG	11	0.16
(2,177)	1:698:C:VAL:HG12	1:695:C:LEU:HG	11	0.16
(2,177)	1:698:C:VAL:HG13	1:695:C:LEU:HG	11	0.16
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	11	0.16
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	11	0.16
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	11	0.16
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	11	0.16
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	11	0.16
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	11	0.16
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	11	0.16
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	11	0.16
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	11	0.16
(2,172)	1:696:C:ARG:H	1:696:C:ARG:HE	15	0.16
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	11	0.16
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	11	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	11	0.16
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	11	0.16
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	11	0.16
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	11	0.16
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB2	13	0.16
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB3	13	0.16
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB2	13	0.16
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB3	13	0.16
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB2	13	0.16
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB3	13	0.16
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB2	14	0.16
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB3	14	0.16
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB2	14	0.16
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB3	14	0.16
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB2	14	0.16
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB3	14	0.16
(2,140)	1:686:C:ILE:HD11	1:685:C:PHE:H	3	0.16
(2,140)	1:686:C:ILE:HD12	1:685:C:PHE:H	3	0.16
(2,140)	1:686:C:ILE:HD13	1:685:C:PHE:H	3	0.16
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	6	0.16
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	6	0.16
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	6	0.16
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	6	0.16
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	6	0.16
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	6	0.16
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	4	0.16
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	4	0.16
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	4	0.16
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	6	0.16
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	6	0.16
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	6	0.16
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	11	0.16
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	14	0.16
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	14	0.16
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	14	0.16
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	14	0.16
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	14	0.16
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	14	0.16
(2,116)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	1	0.16
(2,116)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	1	0.16
(2,116)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	1	0.16
(2,116)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	1	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,116)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	1	0.16
(2,116)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	1	0.16
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.16
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.16
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.16
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.16
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.16
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.16
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.16
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.16
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.16
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.16
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.16
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.16
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.16
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.16
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.16
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.16
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.16
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.16
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.16
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.16
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.16
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.16
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.16
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.16
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.16
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.16
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.16
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.16
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.16
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.16
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.16
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.16
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.16
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.16
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.16
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.16
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	6	0.16
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	6	0.16
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	6	0.16
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	6	0.16
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	6	0.16
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	9	0.16
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	9	0.16
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	9	0.16
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	9	0.16
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	9	0.16
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	9	0.16
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	14	0.16
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	14	0.16
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	14	0.16
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	14	0.16
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	14	0.16
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	14	0.16
(1,72)	1:754:C:ALA:O	1:758:C:ASP:N	7	0.16
(1,46)	1:754:C:ALA:O	1:758:C:ASP:N	7	0.16
(1,20)	1:754:C:ALA:O	1:758:C:ASP:N	7	0.16
(2,1042)	1:778:C:VAL:HG21	1:775:C:LEU:HA	5	0.15
(2,1042)	1:778:C:VAL:HG22	1:775:C:LEU:HA	5	0.15
(2,1042)	1:778:C:VAL:HG23	1:775:C:LEU:HA	5	0.15
(2,1023)	1:775:C:LEU:HD11	1:772:C:ARG:HA	10	0.15
(2,1023)	1:775:C:LEU:HD12	1:772:C:ARG:HA	10	0.15
(2,1023)	1:775:C:LEU:HD13	1:772:C:ARG:HA	10	0.15
(2,1023)	1:775:C:LEU:HD11	1:772:C:ARG:HA	14	0.15
(2,1023)	1:775:C:LEU:HD12	1:772:C:ARG:HA	14	0.15
(2,1023)	1:775:C:LEU:HD13	1:772:C:ARG:HA	14	0.15
(2,1004)	1:771:C:LEU:HD11	1:764:C:SER:HA	14	0.15
(2,1004)	1:771:C:LEU:HD12	1:764:C:SER:HA	14	0.15
(2,1004)	1:771:C:LEU:HD13	1:764:C:SER:HA	14	0.15
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	3	0.15
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	3	0.15
(2,982)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	5	0.15
(2,982)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	5	0.15
(2,982)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	5	0.15
(2,977)	1:755:C:LEU:H	1:752:C:SER:HA	8	0.15
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	4	0.15
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	4	0.15
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	4	0.15
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	4	0.15
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	4	0.15
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	4	0.15
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	14	0.15
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	14	0.15
(2,898)	1:708:C:VAL:H	1:705:C:VAL:HA	7	0.15
(2,898)	1:708:C:VAL:H	1:705:C:VAL:HA	8	0.15
(2,895)	1:707:C:ARG:H	1:707:C:ARG:HG2	8	0.15
(2,895)	1:707:C:ARG:H	1:707:C:ARG:HG3	8	0.15
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.15
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.15
(2,878)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	9	0.15
(2,878)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	9	0.15
(2,878)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	9	0.15
(2,878)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	9	0.15
(2,878)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	9	0.15
(2,878)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	9	0.15
(2,856)	1:703:C:SER:H	1:700:C:ALA:HA	4	0.15
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	4	0.15
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	4	0.15
(2,829)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	4	0.15
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	4	0.15
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	4	0.15
(2,829)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	4	0.15
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	4	0.15
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	4	0.15
(2,829)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	4	0.15
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	15	0.15
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	15	0.15
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	15	0.15
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	15	0.15
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	15	0.15
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	15	0.15
(2,816)	1:693:C:ILE:HG21	1:696:C:ARG:HG2	3	0.15
(2,816)	1:693:C:ILE:HG21	1:696:C:ARG:HG3	3	0.15
(2,816)	1:693:C:ILE:HG22	1:696:C:ARG:HG2	3	0.15
(2,816)	1:693:C:ILE:HG22	1:696:C:ARG:HG3	3	0.15
(2,816)	1:693:C:ILE:HG23	1:696:C:ARG:HG2	3	0.15
(2,816)	1:693:C:ILE:HG23	1:696:C:ARG:HG3	3	0.15
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.15
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.15
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.15
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.15
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.15
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.15
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.15
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.15
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.15
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.15
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.15
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.15
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.15
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.15
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.15
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.15
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.15
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.15
(2,770)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	12	0.15
(2,770)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	12	0.15
(2,770)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	12	0.15
(2,770)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	12	0.15
(2,770)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	12	0.15
(2,770)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	12	0.15
(2,715)	1:778:C:VAL:HG21	1:775:C:LEU:HA	5	0.15
(2,715)	1:778:C:VAL:HG22	1:775:C:LEU:HA	5	0.15
(2,715)	1:778:C:VAL:HG23	1:775:C:LEU:HA	5	0.15
(2,696)	1:775:C:LEU:HD11	1:772:C:ARG:HA	10	0.15
(2,696)	1:775:C:LEU:HD12	1:772:C:ARG:HA	10	0.15
(2,696)	1:775:C:LEU:HD13	1:772:C:ARG:HA	10	0.15
(2,696)	1:775:C:LEU:HD11	1:772:C:ARG:HA	14	0.15
(2,696)	1:775:C:LEU:HD12	1:772:C:ARG:HA	14	0.15
(2,696)	1:775:C:LEU:HD13	1:772:C:ARG:HA	14	0.15
(2,677)	1:771:C:LEU:HD11	1:764:C:SER:HA	14	0.15
(2,677)	1:771:C:LEU:HD12	1:764:C:SER:HA	14	0.15
(2,677)	1:771:C:LEU:HD13	1:764:C:SER:HA	14	0.15
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	3	0.15
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	3	0.15
(2,655)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	5	0.15
(2,655)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	5	0.15
(2,655)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	5	0.15
(2,650)	1:755:C:LEU:H	1:752:C:SER:HA	8	0.15
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	4	0.15
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	4	0.15
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	4	0.15
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	4	0.15
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	4	0.15
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	14	0.15
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	14	0.15
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	14	0.15
(2,571)	1:708:C:VAL:H	1:705:C:VAL:HA	7	0.15
(2,571)	1:708:C:VAL:H	1:705:C:VAL:HA	8	0.15
(2,568)	1:707:C:ARG:H	1:707:C:ARG:HG2	8	0.15
(2,568)	1:707:C:ARG:H	1:707:C:ARG:HG3	8	0.15
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.15
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.15
(2,551)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	9	0.15
(2,551)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	9	0.15
(2,551)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	9	0.15
(2,551)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	9	0.15
(2,551)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	9	0.15
(2,551)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	9	0.15
(2,529)	1:703:C:SER:H	1:700:C:ALA:HA	4	0.15
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	4	0.15
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	4	0.15
(2,502)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	4	0.15
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	4	0.15
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	4	0.15
(2,502)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	4	0.15
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	4	0.15
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	4	0.15
(2,502)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	4	0.15
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	15	0.15
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	15	0.15
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	15	0.15
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	15	0.15
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	15	0.15
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	15	0.15
(2,489)	1:693:C:ILE:HG21	1:696:C:ARG:HG2	3	0.15
(2,489)	1:693:C:ILE:HG21	1:696:C:ARG:HG3	3	0.15
(2,489)	1:693:C:ILE:HG22	1:696:C:ARG:HG2	3	0.15
(2,489)	1:693:C:ILE:HG22	1:696:C:ARG:HG3	3	0.15
(2,489)	1:693:C:ILE:HG23	1:696:C:ARG:HG2	3	0.15
(2,489)	1:693:C:ILE:HG23	1:696:C:ARG:HG3	3	0.15
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.15
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.15
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.15
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.15
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.15
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.15
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.15
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.15
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.15
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.15
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.15
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.15
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.15
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.15
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.15
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.15
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.15
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.15
(2,443)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	12	0.15
(2,443)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	12	0.15
(2,443)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	12	0.15
(2,443)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	12	0.15
(2,443)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	12	0.15
(2,443)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	12	0.15
(2,388)	1:778:C:VAL:HG21	1:775:C:LEU:HA	5	0.15
(2,388)	1:778:C:VAL:HG22	1:775:C:LEU:HA	5	0.15
(2,388)	1:778:C:VAL:HG23	1:775:C:LEU:HA	5	0.15
(2,369)	1:775:C:LEU:HD11	1:772:C:ARG:HA	10	0.15
(2,369)	1:775:C:LEU:HD12	1:772:C:ARG:HA	10	0.15
(2,369)	1:775:C:LEU:HD13	1:772:C:ARG:HA	10	0.15
(2,369)	1:775:C:LEU:HD11	1:772:C:ARG:HA	14	0.15
(2,369)	1:775:C:LEU:HD12	1:772:C:ARG:HA	14	0.15
(2,369)	1:775:C:LEU:HD13	1:772:C:ARG:HA	14	0.15
(2,350)	1:771:C:LEU:HD11	1:764:C:SER:HA	14	0.15
(2,350)	1:771:C:LEU:HD12	1:764:C:SER:HA	14	0.15
(2,350)	1:771:C:LEU:HD13	1:764:C:SER:HA	14	0.15
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	3	0.15
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	3	0.15
(2,328)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	5	0.15
(2,328)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	5	0.15
(2,328)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	5	0.15
(2,323)	1:755:C:LEU:H	1:752:C:SER:HA	8	0.15
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	4	0.15
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	4	0.15
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	4	0.15
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	4	0.15
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	4	0.15
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	14	0.15
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	14	0.15
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	14	0.15
(2,244)	1:708:C:VAL:H	1:705:C:VAL:HA	7	0.15
(2,244)	1:708:C:VAL:H	1:705:C:VAL:HA	8	0.15
(2,241)	1:707:C:ARG:H	1:707:C:ARG:HG2	8	0.15
(2,241)	1:707:C:ARG:H	1:707:C:ARG:HG3	8	0.15
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	8	0.15
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	8	0.15
(2,224)	1:705:C:VAL:HG11	1:709:C:ARG:HD2	9	0.15
(2,224)	1:705:C:VAL:HG11	1:709:C:ARG:HD3	9	0.15
(2,224)	1:705:C:VAL:HG12	1:709:C:ARG:HD2	9	0.15
(2,224)	1:705:C:VAL:HG12	1:709:C:ARG:HD3	9	0.15
(2,224)	1:705:C:VAL:HG13	1:709:C:ARG:HD2	9	0.15
(2,224)	1:705:C:VAL:HG13	1:709:C:ARG:HD3	9	0.15
(2,202)	1:703:C:SER:H	1:700:C:ALA:HA	4	0.15
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB1	4	0.15
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB2	4	0.15
(2,175)	1:697:C:ILE:HG21	1:700:C:ALA:HB3	4	0.15
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB1	4	0.15
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB2	4	0.15
(2,175)	1:697:C:ILE:HG22	1:700:C:ALA:HB3	4	0.15
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB1	4	0.15
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB2	4	0.15
(2,175)	1:697:C:ILE:HG23	1:700:C:ALA:HB3	4	0.15
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	15	0.15
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	15	0.15
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	15	0.15
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	15	0.15
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	15	0.15
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	15	0.15
(2,162)	1:693:C:ILE:HG21	1:696:C:ARG:HG2	3	0.15
(2,162)	1:693:C:ILE:HG21	1:696:C:ARG:HG3	3	0.15
(2,162)	1:693:C:ILE:HG22	1:696:C:ARG:HG2	3	0.15
(2,162)	1:693:C:ILE:HG22	1:696:C:ARG:HG3	3	0.15
(2,162)	1:693:C:ILE:HG23	1:696:C:ARG:HG2	3	0.15
(2,162)	1:693:C:ILE:HG23	1:696:C:ARG:HG3	3	0.15
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	11	0.15
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	11	0.15
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	11	0.15
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	11	0.15
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	11	0.15
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	6	0.15
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	6	0.15
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	6	0.15
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	6	0.15
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	6	0.15
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	6	0.15
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	14	0.15
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	14	0.15
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	14	0.15
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	14	0.15
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	14	0.15
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	14	0.15
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	14	0.15
(2,116)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	12	0.15
(2,116)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	12	0.15
(2,116)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	12	0.15
(2,116)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	12	0.15
(2,116)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	12	0.15
(2,116)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	12	0.15
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.15
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	1	0.15
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	1	0.15
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	1	0.15
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	1	0.15
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	1	0.15
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.15
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.15
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.15
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.15
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.15
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.15
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.15
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	1	0.15
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	1	0.15
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	1	0.15
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	1	0.15
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	1	0.15
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.15
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.15
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.15
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.15
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.15
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	1	0.15
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	1	0.15
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	1	0.15
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	1	0.15
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	1	0.15
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	1	0.15
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	7	0.15
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	7	0.15
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	7	0.15
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	7	0.15
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	7	0.15
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	7	0.15
(2,1095)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	7	0.14
(2,1086)	1:786:C:GLY:H	1:782:C:VAL:HA	5	0.14
(2,1079)	1:785:C:LEU:H	1:782:C:VAL:HA	15	0.14
(2,1065)	1:783:C:GLU:H	1:780:C:ARG:HA	5	0.14
(2,1060)	1:782:C:VAL:H	1:780:C:ARG:H	15	0.14
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.14
(2,1042)	1:778:C:VAL:HG21	1:775:C:LEU:HA	2	0.14
(2,1042)	1:778:C:VAL:HG22	1:775:C:LEU:HA	2	0.14
(2,1042)	1:778:C:VAL:HG23	1:775:C:LEU:HA	2	0.14
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	1	0.14
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.14
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	1	0.14
(2,1036)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	1	0.14
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	1	0.14
(2,1036)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	1	0.14
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	1	0.14
(2,1036)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	1	0.14
(2,1024)	1:776:C:LEU:H	1:773:C:ASP:HA	11	0.14
(2,1018)	1:775:C:LEU:H	1:772:C:ARG:HA	6	0.14
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	4	0.14
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	4	0.14
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	4	0.14
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	4	0.14
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	4	0.14
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	11	0.14
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	11	0.14
(2,984)	1:757:C:TRP:HE1	1:753:C:LEU:HG	10	0.14
(2,977)	1:755:C:LEU:H	1:752:C:SER:HA	4	0.14
(2,977)	1:755:C:LEU:H	1:752:C:SER:HA	12	0.14
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB2	9	0.14
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB3	9	0.14
(2,954)	1:748:C:LEU:H	1:745:C:SER:HA	6	0.14
(2,954)	1:748:C:LEU:H	1:745:C:SER:HA	13	0.14
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.14
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.14
(2,946)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	12	0.14
(2,946)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	12	0.14
(2,946)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	12	0.14
(2,946)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	12	0.14
(2,946)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	12	0.14
(2,946)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	12	0.14
(2,940)	1:746:C:ILE:H	1:743:C:ASP:HB2	1	0.14
(2,940)	1:746:C:ILE:H	1:743:C:ASP:HB3	1	0.14
(2,920)	1:710:C:GLN:H	1:710:C:GLN:HB2	6	0.14
(2,915)	1:710:C:GLN:H	1:709:C:ARG:HA	9	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG11	1	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG12	1	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG13	1	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG11	3	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG12	3	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG13	3	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG11	6	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG12	6	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG13	6	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG11	15	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG12	15	0.14
(2,912)	1:709:C:ARG:HE	1:705:C:VAL:HG13	15	0.14
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	13	0.14
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	13	0.14
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	13	0.14
(2,898)	1:708:C:VAL:H	1:705:C:VAL:HA	10	0.14
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD11	13	0.14
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD12	13	0.14
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD13	13	0.14
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD21	13	0.14
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD22	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,897)	1:707:C:ARG:HE	1:704:C:LEU:HD23	13	0.14
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	4	0.14
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	4	0.14
(2,895)	1:707:C:ARG:H	1:707:C:ARG:HG2	1	0.14
(2,895)	1:707:C:ARG:H	1:707:C:ARG:HG3	1	0.14
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.14
(2,889)	1:707:C:ARG:H	1:704:C:LEU:HA	15	0.14
(2,882)	1:706:C:ASN:H	1:703:C:SER:HA	11	0.14
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.14
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.14
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.14
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.14
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.14
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.14
(2,879)	1:705:C:VAL:HG21	1:701:C:VAL:HA	12	0.14
(2,879)	1:705:C:VAL:HG22	1:701:C:VAL:HA	12	0.14
(2,879)	1:705:C:VAL:HG23	1:701:C:VAL:HA	12	0.14
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.14
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.14
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.14
(2,871)	1:705:C:VAL:H	1:702:C:LEU:HA	12	0.14
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	5	0.14
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	5	0.14
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	5	0.14
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	5	0.14
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	5	0.14
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	5	0.14
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.14
(2,868)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.14
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.14
(2,868)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.14
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.14
(2,868)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.14
(2,854)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	8	0.14
(2,854)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	8	0.14
(2,854)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	8	0.14
(2,854)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	8	0.14
(2,854)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	8	0.14
(2,854)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	8	0.14
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	5	0.14
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	5	0.14
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	5	0.14
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	5	0.14
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	5	0.14
(2,831)	1:698:C:VAL:HG11	1:695:C:LEU:HG	12	0.14
(2,831)	1:698:C:VAL:HG12	1:695:C:LEU:HG	12	0.14
(2,831)	1:698:C:VAL:HG13	1:695:C:LEU:HG	12	0.14
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.14
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.14
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.14
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.14
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.14
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.14
(2,802)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	13	0.14
(2,802)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	13	0.14
(2,802)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	13	0.14
(2,802)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	13	0.14
(2,802)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	13	0.14
(2,802)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	13	0.14
(2,798)	1:687:C:ILE:HG21	1:691:C:SER:HG	5	0.14
(2,798)	1:687:C:ILE:HG22	1:691:C:SER:HG	5	0.14
(2,798)	1:687:C:ILE:HG23	1:691:C:SER:HG	5	0.14
(2,792)	1:684:C:ILE:HG21	1:688:C:ILE:H	3	0.14
(2,792)	1:684:C:ILE:HG22	1:688:C:ILE:H	3	0.14
(2,792)	1:684:C:ILE:HG23	1:688:C:ILE:H	3	0.14
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.14
(2,790)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.14
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.14
(2,790)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.14
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.14
(2,790)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.14
(2,776)	1:682:C:ILE:HD11	1:681:C:TYR:H	11	0.14
(2,776)	1:682:C:ILE:HD12	1:681:C:TYR:H	11	0.14
(2,776)	1:682:C:ILE:HD13	1:681:C:TYR:H	11	0.14
(2,772)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.14
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.14
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.14
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.14
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.14
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.14
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.14
(2,768)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	7	0.14
(2,759)	1:786:C:GLY:H	1:782:C:VAL:HA	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,752)	1:785:C:LEU:H	1:782:C:VAL:HA	15	0.14
(2,738)	1:783:C:GLU:H	1:780:C:ARG:HA	5	0.14
(2,733)	1:782:C:VAL:H	1:780:C:ARG:H	15	0.14
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.14
(2,715)	1:778:C:VAL:HG21	1:775:C:LEU:HA	2	0.14
(2,715)	1:778:C:VAL:HG22	1:775:C:LEU:HA	2	0.14
(2,715)	1:778:C:VAL:HG23	1:775:C:LEU:HA	2	0.14
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	1	0.14
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.14
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	1	0.14
(2,709)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	1	0.14
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	1	0.14
(2,709)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	1	0.14
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	1	0.14
(2,709)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	1	0.14
(2,697)	1:776:C:LEU:H	1:773:C:ASP:HA	11	0.14
(2,691)	1:775:C:LEU:H	1:772:C:ARG:HA	6	0.14
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	4	0.14
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	4	0.14
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	4	0.14
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	4	0.14
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	4	0.14
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	4	0.14
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	11	0.14
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	11	0.14
(2,657)	1:757:C:TRP:HE1	1:753:C:LEU:HG	10	0.14
(2,650)	1:755:C:LEU:H	1:752:C:SER:HA	4	0.14
(2,650)	1:755:C:LEU:H	1:752:C:SER:HA	12	0.14
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB2	9	0.14
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB3	9	0.14
(2,627)	1:748:C:LEU:H	1:745:C:SER:HA	6	0.14
(2,627)	1:748:C:LEU:H	1:745:C:SER:HA	13	0.14
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.14
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.14
(2,619)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	12	0.14
(2,619)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	12	0.14
(2,619)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	12	0.14
(2,619)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	12	0.14
(2,619)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	12	0.14
(2,619)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	12	0.14
(2,613)	1:746:C:ILE:H	1:743:C:ASP:HB2	1	0.14
(2,613)	1:746:C:ILE:H	1:743:C:ASP:HB3	1	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,593)	1:710:C:GLN:H	1:710:C:GLN:HB2	6	0.14
(2,588)	1:710:C:GLN:H	1:709:C:ARG:HA	9	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG11	1	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG12	1	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG13	1	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG11	3	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG12	3	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG13	3	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG11	6	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG12	6	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG13	6	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG11	15	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG12	15	0.14
(2,585)	1:709:C:ARG:HE	1:705:C:VAL:HG13	15	0.14
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	13	0.14
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	13	0.14
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	13	0.14
(2,571)	1:708:C:VAL:H	1:705:C:VAL:HA	10	0.14
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD11	13	0.14
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD12	13	0.14
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD13	13	0.14
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD21	13	0.14
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD22	13	0.14
(2,570)	1:707:C:ARG:HE	1:704:C:LEU:HD23	13	0.14
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	4	0.14
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	4	0.14
(2,568)	1:707:C:ARG:H	1:707:C:ARG:HG2	1	0.14
(2,568)	1:707:C:ARG:H	1:707:C:ARG:HG3	1	0.14
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.14
(2,562)	1:707:C:ARG:H	1:704:C:LEU:HA	15	0.14
(2,555)	1:706:C:ASN:H	1:703:C:SER:HA	11	0.14
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.14
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.14
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.14
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.14
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.14
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.14
(2,552)	1:705:C:VAL:HG21	1:701:C:VAL:HA	12	0.14
(2,552)	1:705:C:VAL:HG22	1:701:C:VAL:HA	12	0.14
(2,552)	1:705:C:VAL:HG23	1:701:C:VAL:HA	12	0.14
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.14
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.14
(2,544)	1:705:C:VAL:H	1:702:C:LEU:HA	12	0.14
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	5	0.14
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	5	0.14
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	5	0.14
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	5	0.14
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	5	0.14
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	5	0.14
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.14
(2,541)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.14
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.14
(2,541)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.14
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.14
(2,541)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.14
(2,527)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	8	0.14
(2,527)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	8	0.14
(2,527)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	8	0.14
(2,527)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	8	0.14
(2,527)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	8	0.14
(2,527)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	8	0.14
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	5	0.14
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	5	0.14
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	5	0.14
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	5	0.14
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	5	0.14
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	5	0.14
(2,504)	1:698:C:VAL:HG11	1:695:C:LEU:HG	12	0.14
(2,504)	1:698:C:VAL:HG12	1:695:C:LEU:HG	12	0.14
(2,504)	1:698:C:VAL:HG13	1:695:C:LEU:HG	12	0.14
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.14
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.14
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.14
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.14
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.14
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.14
(2,475)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	13	0.14
(2,475)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	13	0.14
(2,475)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	13	0.14
(2,475)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	13	0.14
(2,475)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	13	0.14
(2,475)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	13	0.14
(2,471)	1:687:C:ILE:HG21	1:691:C:SER:HG	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,471)	1:687:C:ILE:HG22	1:691:C:SER:HG	5	0.14
(2,471)	1:687:C:ILE:HG23	1:691:C:SER:HG	5	0.14
(2,465)	1:684:C:ILE:HG21	1:688:C:ILE:H	3	0.14
(2,465)	1:684:C:ILE:HG22	1:688:C:ILE:H	3	0.14
(2,465)	1:684:C:ILE:HG23	1:688:C:ILE:H	3	0.14
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.14
(2,463)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.14
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.14
(2,463)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.14
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.14
(2,463)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.14
(2,449)	1:682:C:ILE:HD11	1:681:C:TYR:H	11	0.14
(2,449)	1:682:C:ILE:HD12	1:681:C:TYR:H	11	0.14
(2,449)	1:682:C:ILE:HD13	1:681:C:TYR:H	11	0.14
(2,445)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.14
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.14
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.14
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.14
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.14
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.14
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.14
(2,441)	1:780:C:ARG:HH11	1:783:C:GLU:OE1	7	0.14
(2,432)	1:786:C:GLY:H	1:782:C:VAL:HA	5	0.14
(2,425)	1:785:C:LEU:H	1:782:C:VAL:HA	15	0.14
(2,411)	1:783:C:GLU:H	1:780:C:ARG:HA	5	0.14
(2,406)	1:782:C:VAL:H	1:780:C:ARG:H	15	0.14
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	10	0.14
(2,388)	1:778:C:VAL:HG21	1:775:C:LEU:HA	2	0.14
(2,388)	1:778:C:VAL:HG22	1:775:C:LEU:HA	2	0.14
(2,388)	1:778:C:VAL:HG23	1:775:C:LEU:HA	2	0.14
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	1	0.14
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	12	0.14
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD2	1	0.14
(2,382)	1:777:C:ILE:HG21	1:780:C:ARG:HD3	1	0.14
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD2	1	0.14
(2,382)	1:777:C:ILE:HG22	1:780:C:ARG:HD3	1	0.14
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD2	1	0.14
(2,382)	1:777:C:ILE:HG23	1:780:C:ARG:HD3	1	0.14
(2,370)	1:776:C:LEU:H	1:773:C:ASP:HA	11	0.14
(2,364)	1:775:C:LEU:H	1:772:C:ARG:HA	6	0.14
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	4	0.14
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	4	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	4	0.14
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	4	0.14
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	4	0.14
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	4	0.14
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	11	0.14
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	11	0.14
(2,330)	1:757:C:TRP:HE1	1:753:C:LEU:HG	10	0.14
(2,323)	1:755:C:LEU:H	1:752:C:SER:HA	4	0.14
(2,323)	1:755:C:LEU:H	1:752:C:SER:HA	12	0.14
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB2	9	0.14
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB3	9	0.14
(2,300)	1:748:C:LEU:H	1:745:C:SER:HA	6	0.14
(2,300)	1:748:C:LEU:H	1:745:C:SER:HA	13	0.14
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	13	0.14
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	13	0.14
(2,292)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	12	0.14
(2,292)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	12	0.14
(2,292)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	12	0.14
(2,292)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	12	0.14
(2,292)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	12	0.14
(2,292)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	12	0.14
(2,286)	1:746:C:ILE:H	1:743:C:ASP:HB2	1	0.14
(2,286)	1:746:C:ILE:H	1:743:C:ASP:HB3	1	0.14
(2,266)	1:710:C:GLN:H	1:710:C:GLN:HB2	6	0.14
(2,261)	1:710:C:GLN:H	1:709:C:ARG:HA	9	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG11	1	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG12	1	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG13	1	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG11	3	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG12	3	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG13	3	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG11	6	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG12	6	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG13	6	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG11	15	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG12	15	0.14
(2,258)	1:709:C:ARG:HE	1:705:C:VAL:HG13	15	0.14
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	13	0.14
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	13	0.14
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	13	0.14
(2,244)	1:708:C:VAL:H	1:705:C:VAL:HA	10	0.14
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD11	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD12	13	0.14
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD13	13	0.14
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD21	13	0.14
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD22	13	0.14
(2,243)	1:707:C:ARG:HE	1:704:C:LEU:HD23	13	0.14
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	4	0.14
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	4	0.14
(2,241)	1:707:C:ARG:H	1:707:C:ARG:HG2	1	0.14
(2,241)	1:707:C:ARG:H	1:707:C:ARG:HG3	1	0.14
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	14	0.14
(2,235)	1:707:C:ARG:H	1:704:C:LEU:HA	15	0.14
(2,228)	1:706:C:ASN:H	1:703:C:SER:HA	11	0.14
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	6	0.14
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	6	0.14
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	6	0.14
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	6	0.14
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	6	0.14
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	6	0.14
(2,225)	1:705:C:VAL:HG21	1:701:C:VAL:HA	12	0.14
(2,225)	1:705:C:VAL:HG22	1:701:C:VAL:HA	12	0.14
(2,225)	1:705:C:VAL:HG23	1:701:C:VAL:HA	12	0.14
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	2	0.14
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	2	0.14
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	2	0.14
(2,217)	1:705:C:VAL:H	1:702:C:LEU:HA	12	0.14
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	5	0.14
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	5	0.14
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	5	0.14
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	5	0.14
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	5	0.14
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	5	0.14
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD2	12	0.14
(2,214)	1:704:C:LEU:HD11	1:707:C:ARG:HD3	12	0.14
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD2	12	0.14
(2,214)	1:704:C:LEU:HD12	1:707:C:ARG:HD3	12	0.14
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD2	12	0.14
(2,214)	1:704:C:LEU:HD13	1:707:C:ARG:HD3	12	0.14
(2,200)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	8	0.14
(2,200)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	8	0.14
(2,200)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	8	0.14
(2,200)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	8	0.14
(2,200)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,200)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	8	0.14
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	5	0.14
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	5	0.14
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	5	0.14
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	5	0.14
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	5	0.14
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	5	0.14
(2,177)	1:698:C:VAL:HG11	1:695:C:LEU:HG	12	0.14
(2,177)	1:698:C:VAL:HG12	1:695:C:LEU:HG	12	0.14
(2,177)	1:698:C:VAL:HG13	1:695:C:LEU:HG	12	0.14
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB2	8	0.14
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB3	8	0.14
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB2	8	0.14
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB3	8	0.14
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB2	8	0.14
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB3	8	0.14
(2,148)	1:689:C:VAL:HG21	1:685:C:PHE:HD1	13	0.14
(2,148)	1:689:C:VAL:HG21	1:685:C:PHE:HD2	13	0.14
(2,148)	1:689:C:VAL:HG22	1:685:C:PHE:HD1	13	0.14
(2,148)	1:689:C:VAL:HG22	1:685:C:PHE:HD2	13	0.14
(2,148)	1:689:C:VAL:HG23	1:685:C:PHE:HD1	13	0.14
(2,148)	1:689:C:VAL:HG23	1:685:C:PHE:HD2	13	0.14
(2,144)	1:687:C:ILE:HG21	1:691:C:SER:HG	5	0.14
(2,144)	1:687:C:ILE:HG22	1:691:C:SER:HG	5	0.14
(2,144)	1:687:C:ILE:HG23	1:691:C:SER:HG	5	0.14
(2,138)	1:684:C:ILE:HG21	1:688:C:ILE:H	3	0.14
(2,138)	1:684:C:ILE:HG22	1:688:C:ILE:H	3	0.14
(2,138)	1:684:C:ILE:HG23	1:688:C:ILE:H	3	0.14
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD1	6	0.14
(2,136)	1:684:C:ILE:HG21	1:685:C:PHE:HD2	6	0.14
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD1	6	0.14
(2,136)	1:684:C:ILE:HG22	1:685:C:PHE:HD2	6	0.14
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD1	6	0.14
(2,136)	1:684:C:ILE:HG23	1:685:C:PHE:HD2	6	0.14
(2,122)	1:682:C:ILE:HD11	1:681:C:TYR:H	11	0.14
(2,122)	1:682:C:ILE:HD12	1:681:C:TYR:H	11	0.14
(2,122)	1:682:C:ILE:HD13	1:681:C:TYR:H	11	0.14
(2,118)	1:681:C:TYR:H	1:680:C:TRP:HE3	12	0.14
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	7	0.14
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	7	0.14
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	7	0.14
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	7	0.14
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	7	0.14
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.14
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.14
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.14
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.14
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.14
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.14
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.14
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.14
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.14
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.14
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.14
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.14
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	4	0.14
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	4	0.14
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	4	0.14
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	4	0.14
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	4	0.14
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	4	0.14
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.14
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.14
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.14
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.14
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.14
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.14
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.14
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.14
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.14
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.14
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.14
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.14
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	13	0.14
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	13	0.14
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	13	0.14
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	13	0.14
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	13	0.14
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	13	0.14
(1,69)	1:753:C:LEU:O	1:757:C:TRP:H	11	0.14
(1,60)	1:743:C:ASP:O	1:747:C:ARG:N	8	0.14
(1,43)	1:753:C:LEU:O	1:757:C:TRP:H	11	0.14
(1,34)	1:743:C:ASP:O	1:747:C:ARG:N	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17)	1:753:C:LEU:O	1:757:C:TRP:H	11	0.14
(1,8)	1:743:C:ASP:O	1:747:C:ARG:N	8	0.14
(2,1092)	1:744:C:ARG:HH21	1:741:C:ASP:OD2	6	0.13
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	5	0.13
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	14	0.13
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	11	0.13
(2,1043)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.13
(2,1042)	1:778:C:VAL:HG21	1:775:C:LEU:HA	14	0.13
(2,1042)	1:778:C:VAL:HG22	1:775:C:LEU:HA	14	0.13
(2,1042)	1:778:C:VAL:HG23	1:775:C:LEU:HA	14	0.13
(2,1035)	1:777:C:ILE:HD11	1:774:C:LEU:HA	9	0.13
(2,1035)	1:777:C:ILE:HD12	1:774:C:LEU:HA	9	0.13
(2,1035)	1:777:C:ILE:HD13	1:774:C:LEU:HA	9	0.13
(2,1018)	1:775:C:LEU:H	1:772:C:ARG:HA	12	0.13
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	6	0.13
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	6	0.13
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	7	0.13
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	7	0.13
(2,966)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	7	0.13
(2,966)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	7	0.13
(2,966)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	7	0.13
(2,966)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	7	0.13
(2,966)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	7	0.13
(2,966)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	7	0.13
(2,938)	1:746:C:ILE:H	1:742:C:ARG:HA	2	0.13
(2,914)	1:710:C:GLN:H	1:708:C:VAL:HA	14	0.13
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	2	0.13
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	2	0.13
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	2	0.13
(2,895)	1:707:C:ARG:H	1:707:C:ARG:HG2	9	0.13
(2,895)	1:707:C:ARG:H	1:707:C:ARG:HG3	9	0.13
(2,882)	1:706:C:ASN:H	1:703:C:SER:HA	10	0.13
(2,877)	1:705:C:VAL:HG11	1:706:C:ASN:HA	7	0.13
(2,877)	1:705:C:VAL:HG12	1:706:C:ASN:HA	7	0.13
(2,877)	1:705:C:VAL:HG13	1:706:C:ASN:HA	7	0.13
(2,871)	1:705:C:VAL:H	1:702:C:LEU:HA	6	0.13
(2,871)	1:705:C:VAL:H	1:702:C:LEU:HA	14	0.13
(2,860)	1:704:C:LEU:H	1:701:C:VAL:HA	14	0.13
(2,856)	1:703:C:SER:H	1:700:C:ALA:HA	7	0.13
(2,831)	1:698:C:VAL:HG11	1:695:C:LEU:HG	5	0.13
(2,831)	1:698:C:VAL:HG12	1:695:C:LEU:HG	5	0.13
(2,831)	1:698:C:VAL:HG13	1:695:C:LEU:HG	5	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	4	0.13
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	4	0.13
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	4	0.13
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	4	0.13
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	4	0.13
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	4	0.13
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	5	0.13
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	5	0.13
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	5	0.13
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	5	0.13
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	5	0.13
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	5	0.13
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	8	0.13
(2,820)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	8	0.13
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	8	0.13
(2,820)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	8	0.13
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	8	0.13
(2,820)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	8	0.13
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.13
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.13
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.13
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.13
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.13
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.13
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB2	15	0.13
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB3	15	0.13
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB2	15	0.13
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB3	15	0.13
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB2	15	0.13
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB3	15	0.13
(2,806)	1:692:C:LEU:HD11	1:689:C:VAL:HA	1	0.13
(2,806)	1:692:C:LEU:HD12	1:689:C:VAL:HA	1	0.13
(2,806)	1:692:C:LEU:HD13	1:689:C:VAL:HA	1	0.13
(2,800)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.13
(2,800)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.13
(2,800)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.13
(2,798)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.13
(2,798)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.13
(2,798)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.13
(2,794)	1:686:C:ILE:HD11	1:685:C:PHE:H	12	0.13
(2,794)	1:686:C:ILE:HD12	1:685:C:PHE:H	12	0.13
(2,794)	1:686:C:ILE:HD13	1:685:C:PHE:H	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,793)	1:686:C:ILE:HD11	1:683:C:ARG:HA	8	0.13
(2,793)	1:686:C:ILE:HD12	1:683:C:ARG:HA	8	0.13
(2,793)	1:686:C:ILE:HD13	1:683:C:ARG:HA	8	0.13
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.13
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.13
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.13
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.13
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.13
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.13
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.13
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.13
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.13
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.13
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.13
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.13
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.13
(2,782)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.13
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.13
(2,782)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.13
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.13
(2,782)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.13
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.13
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.13
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.13
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.13
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.13
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.13
(2,765)	1:744:C:ARG:HH21	1:741:C:ASP:OD2	6	0.13
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	5	0.13
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	14	0.13
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	11	0.13
(2,716)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.13
(2,715)	1:778:C:VAL:HG21	1:775:C:LEU:HA	14	0.13
(2,715)	1:778:C:VAL:HG22	1:775:C:LEU:HA	14	0.13
(2,715)	1:778:C:VAL:HG23	1:775:C:LEU:HA	14	0.13
(2,708)	1:777:C:ILE:HD11	1:774:C:LEU:HA	9	0.13
(2,708)	1:777:C:ILE:HD12	1:774:C:LEU:HA	9	0.13
(2,708)	1:777:C:ILE:HD13	1:774:C:LEU:HA	9	0.13
(2,691)	1:775:C:LEU:H	1:772:C:ARG:HA	12	0.13
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	6	0.13
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	6	0.13
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	7	0.13
(2,639)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	7	0.13
(2,639)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	7	0.13
(2,639)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	7	0.13
(2,639)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	7	0.13
(2,639)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	7	0.13
(2,639)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	7	0.13
(2,611)	1:746:C:ILE:H	1:742:C:ARG:HA	2	0.13
(2,587)	1:710:C:GLN:H	1:708:C:VAL:HA	14	0.13
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	2	0.13
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	2	0.13
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	2	0.13
(2,568)	1:707:C:ARG:H	1:707:C:ARG:HG2	9	0.13
(2,568)	1:707:C:ARG:H	1:707:C:ARG:HG3	9	0.13
(2,555)	1:706:C:ASN:H	1:703:C:SER:HA	10	0.13
(2,550)	1:705:C:VAL:HG11	1:706:C:ASN:HA	7	0.13
(2,550)	1:705:C:VAL:HG12	1:706:C:ASN:HA	7	0.13
(2,550)	1:705:C:VAL:HG13	1:706:C:ASN:HA	7	0.13
(2,544)	1:705:C:VAL:H	1:702:C:LEU:HA	6	0.13
(2,544)	1:705:C:VAL:H	1:702:C:LEU:HA	14	0.13
(2,533)	1:704:C:LEU:H	1:701:C:VAL:HA	14	0.13
(2,529)	1:703:C:SER:H	1:700:C:ALA:HA	7	0.13
(2,504)	1:698:C:VAL:HG11	1:695:C:LEU:HG	5	0.13
(2,504)	1:698:C:VAL:HG12	1:695:C:LEU:HG	5	0.13
(2,504)	1:698:C:VAL:HG13	1:695:C:LEU:HG	5	0.13
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	4	0.13
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	4	0.13
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	4	0.13
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	4	0.13
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	4	0.13
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	4	0.13
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	5	0.13
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	5	0.13
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	5	0.13
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	5	0.13
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	5	0.13
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	5	0.13
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	8	0.13
(2,493)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	8	0.13
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	8	0.13
(2,493)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	8	0.13
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,493)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	8	0.13
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.13
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.13
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.13
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.13
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.13
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.13
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB2	15	0.13
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB3	15	0.13
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB2	15	0.13
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB3	15	0.13
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB2	15	0.13
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB3	15	0.13
(2,479)	1:692:C:LEU:HD11	1:689:C:VAL:HA	1	0.13
(2,479)	1:692:C:LEU:HD12	1:689:C:VAL:HA	1	0.13
(2,479)	1:692:C:LEU:HD13	1:689:C:VAL:HA	1	0.13
(2,473)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.13
(2,473)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.13
(2,473)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.13
(2,471)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.13
(2,471)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.13
(2,471)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.13
(2,467)	1:686:C:ILE:HD11	1:685:C:PHE:H	12	0.13
(2,467)	1:686:C:ILE:HD12	1:685:C:PHE:H	12	0.13
(2,467)	1:686:C:ILE:HD13	1:685:C:PHE:H	12	0.13
(2,466)	1:686:C:ILE:HD11	1:683:C:ARG:HA	8	0.13
(2,466)	1:686:C:ILE:HD12	1:683:C:ARG:HA	8	0.13
(2,466)	1:686:C:ILE:HD13	1:683:C:ARG:HA	8	0.13
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.13
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.13
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.13
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.13
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.13
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.13
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.13
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.13
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.13
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.13
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.13
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.13
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.13
(2,455)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.13
(2,455)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.13
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.13
(2,455)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.13
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.13
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.13
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.13
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.13
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.13
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.13
(2,438)	1:744:C:ARG:HH21	1:741:C:ASP:OD2	6	0.13
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	5	0.13
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	14	0.13
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	11	0.13
(2,389)	1:779:C:THR:H	1:776:C:LEU:HA	13	0.13
(2,388)	1:778:C:VAL:HG21	1:775:C:LEU:HA	14	0.13
(2,388)	1:778:C:VAL:HG22	1:775:C:LEU:HA	14	0.13
(2,388)	1:778:C:VAL:HG23	1:775:C:LEU:HA	14	0.13
(2,381)	1:777:C:ILE:HD11	1:774:C:LEU:HA	9	0.13
(2,381)	1:777:C:ILE:HD12	1:774:C:LEU:HA	9	0.13
(2,381)	1:777:C:ILE:HD13	1:774:C:LEU:HA	9	0.13
(2,364)	1:775:C:LEU:H	1:772:C:ARG:HA	12	0.13
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	6	0.13
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	6	0.13
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	7	0.13
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	7	0.13
(2,312)	1:753:C:LEU:HD11	1:757:C:TRP:HB2	7	0.13
(2,312)	1:753:C:LEU:HD11	1:757:C:TRP:HB3	7	0.13
(2,312)	1:753:C:LEU:HD12	1:757:C:TRP:HB2	7	0.13
(2,312)	1:753:C:LEU:HD12	1:757:C:TRP:HB3	7	0.13
(2,312)	1:753:C:LEU:HD13	1:757:C:TRP:HB2	7	0.13
(2,312)	1:753:C:LEU:HD13	1:757:C:TRP:HB3	7	0.13
(2,284)	1:746:C:ILE:H	1:742:C:ARG:HA	2	0.13
(2,260)	1:710:C:GLN:H	1:708:C:VAL:HA	14	0.13
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	2	0.13
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	2	0.13
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	2	0.13
(2,241)	1:707:C:ARG:H	1:707:C:ARG:HG2	9	0.13
(2,241)	1:707:C:ARG:H	1:707:C:ARG:HG3	9	0.13
(2,228)	1:706:C:ASN:H	1:703:C:SER:HA	10	0.13
(2,223)	1:705:C:VAL:HG11	1:706:C:ASN:HA	7	0.13
(2,223)	1:705:C:VAL:HG12	1:706:C:ASN:HA	7	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,223)	1:705:C:VAL:HG13	1:706:C:ASN:HA	7	0.13
(2,217)	1:705:C:VAL:H	1:702:C:LEU:HA	6	0.13
(2,217)	1:705:C:VAL:H	1:702:C:LEU:HA	14	0.13
(2,206)	1:704:C:LEU:H	1:701:C:VAL:HA	14	0.13
(2,202)	1:703:C:SER:H	1:700:C:ALA:HA	7	0.13
(2,177)	1:698:C:VAL:HG11	1:695:C:LEU:HG	5	0.13
(2,177)	1:698:C:VAL:HG12	1:695:C:LEU:HG	5	0.13
(2,177)	1:698:C:VAL:HG13	1:695:C:LEU:HG	5	0.13
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	4	0.13
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	4	0.13
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	4	0.13
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	4	0.13
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	4	0.13
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	4	0.13
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	5	0.13
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	5	0.13
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	5	0.13
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	5	0.13
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	5	0.13
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	5	0.13
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD2	8	0.13
(2,166)	1:695:C:LEU:HD21	1:696:C:ARG:HD3	8	0.13
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD2	8	0.13
(2,166)	1:695:C:LEU:HD22	1:696:C:ARG:HD3	8	0.13
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD2	8	0.13
(2,166)	1:695:C:LEU:HD23	1:696:C:ARG:HD3	8	0.13
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB2	11	0.13
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB3	11	0.13
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB2	11	0.13
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB3	11	0.13
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB2	11	0.13
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB3	11	0.13
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB2	15	0.13
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB3	15	0.13
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB2	15	0.13
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB3	15	0.13
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB2	15	0.13
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB3	15	0.13
(2,152)	1:692:C:LEU:HD11	1:689:C:VAL:HA	1	0.13
(2,152)	1:692:C:LEU:HD12	1:689:C:VAL:HA	1	0.13
(2,152)	1:692:C:LEU:HD13	1:689:C:VAL:HA	1	0.13
(2,146)	1:688:C:ILE:HG21	1:692:C:LEU:HG	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,146)	1:688:C:ILE:HG22	1:692:C:LEU:HG	8	0.13
(2,146)	1:688:C:ILE:HG23	1:692:C:LEU:HG	8	0.13
(2,144)	1:687:C:ILE:HG21	1:691:C:SER:HG	14	0.13
(2,144)	1:687:C:ILE:HG22	1:691:C:SER:HG	14	0.13
(2,144)	1:687:C:ILE:HG23	1:691:C:SER:HG	14	0.13
(2,140)	1:686:C:ILE:HD11	1:685:C:PHE:H	12	0.13
(2,140)	1:686:C:ILE:HD12	1:685:C:PHE:H	12	0.13
(2,140)	1:686:C:ILE:HD13	1:685:C:PHE:H	12	0.13
(2,139)	1:686:C:ILE:HD11	1:683:C:ARG:HA	8	0.13
(2,139)	1:686:C:ILE:HD12	1:683:C:ARG:HA	8	0.13
(2,139)	1:686:C:ILE:HD13	1:683:C:ARG:HA	8	0.13
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	15	0.13
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	15	0.13
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	15	0.13
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	15	0.13
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	15	0.13
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	15	0.13
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	8	0.13
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	8	0.13
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	8	0.13
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	8	0.13
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	8	0.13
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	8	0.13
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE1	11	0.13
(2,128)	1:684:C:ILE:HD11	1:681:C:TYR:HE2	11	0.13
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE1	11	0.13
(2,128)	1:684:C:ILE:HD12	1:681:C:TYR:HE2	11	0.13
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE1	11	0.13
(2,128)	1:684:C:ILE:HD13	1:681:C:TYR:HE2	11	0.13
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	10	0.13
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	10	0.13
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	10	0.13
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	10	0.13
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	10	0.13
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	10	0.13
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	15	0.13
(2,60)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	15	0.13
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	15	0.13
(2,60)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	15	0.13
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	15	0.13
(2,60)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	15	0.13
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,59)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	15	0.13
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	15	0.13
(2,59)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	15	0.13
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	15	0.13
(2,59)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	15	0.13
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE1	15	0.13
(2,58)	1:708:C:VAL:HG21	1:712:C:TYR:HE2	15	0.13
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE1	15	0.13
(2,58)	1:708:C:VAL:HG22	1:712:C:TYR:HE2	15	0.13
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE1	15	0.13
(2,58)	1:708:C:VAL:HG23	1:712:C:TYR:HE2	15	0.13
(1,75)	1:756:C:ILE:O	1:760:C:LEU:H	4	0.13
(1,67)	1:747:C:ARG:O	1:751:C:GLY:H	13	0.13
(1,49)	1:756:C:ILE:O	1:760:C:LEU:H	4	0.13
(1,41)	1:747:C:ARG:O	1:751:C:GLY:H	13	0.13
(1,23)	1:756:C:ILE:O	1:760:C:LEU:H	4	0.13
(1,15)	1:747:C:ARG:O	1:751:C:GLY:H	13	0.13
(2,1085)	1:785:C:LEU:HD21	1:782:C:VAL:HA	2	0.12
(2,1085)	1:785:C:LEU:HD22	1:782:C:VAL:HA	2	0.12
(2,1085)	1:785:C:LEU:HD23	1:782:C:VAL:HA	2	0.12
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD2	4	0.12
(2,1066)	1:783:C:GLU:H	1:780:C:ARG:HD3	4	0.12
(2,1065)	1:783:C:GLU:H	1:780:C:ARG:HA	7	0.12
(2,1042)	1:778:C:VAL:HG21	1:775:C:LEU:HA	13	0.12
(2,1042)	1:778:C:VAL:HG22	1:775:C:LEU:HA	13	0.12
(2,1042)	1:778:C:VAL:HG23	1:775:C:LEU:HA	13	0.12
(2,1037)	1:778:C:VAL:H	1:775:C:LEU:HA	4	0.12
(2,1035)	1:777:C:ILE:HD11	1:774:C:LEU:HA	7	0.12
(2,1035)	1:777:C:ILE:HD12	1:774:C:LEU:HA	7	0.12
(2,1035)	1:777:C:ILE:HD13	1:774:C:LEU:HA	7	0.12
(2,1035)	1:777:C:ILE:HD11	1:774:C:LEU:HA	8	0.12
(2,1035)	1:777:C:ILE:HD12	1:774:C:LEU:HA	8	0.12
(2,1035)	1:777:C:ILE:HD13	1:774:C:LEU:HA	8	0.12
(2,1004)	1:771:C:LEU:HD11	1:764:C:SER:HA	12	0.12
(2,1004)	1:771:C:LEU:HD12	1:764:C:SER:HA	12	0.12
(2,1004)	1:771:C:LEU:HD13	1:764:C:SER:HA	12	0.12
(2,1001)	1:764:C:SER:H	1:761:C:ARG:HA	4	0.12
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	11	0.12
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	11	0.12
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	11	0.12
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	11	0.12
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	11	0.12
(2,998)	1:763:C:LEU:HD11	1:759:C:ASP:HA	12	0.12
(2,998)	1:763:C:LEU:HD12	1:759:C:ASP:HA	12	0.12
(2,998)	1:763:C:LEU:HD13	1:759:C:ASP:HA	12	0.12
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	12	0.12
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	12	0.12
(2,984)	1:757:C:TRP:HE1	1:753:C:LEU:HG	5	0.12
(2,984)	1:757:C:TRP:HE1	1:753:C:LEU:HG	6	0.12
(2,984)	1:757:C:TRP:HE1	1:753:C:LEU:HG	9	0.12
(2,982)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	14	0.12
(2,982)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	14	0.12
(2,982)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	14	0.12
(2,982)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	15	0.12
(2,982)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	15	0.12
(2,982)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	15	0.12
(2,977)	1:755:C:LEU:H	1:752:C:SER:HA	9	0.12
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	13	0.12
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	13	0.12
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	13	0.12
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	13	0.12
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	13	0.12
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	13	0.12
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	4	0.12
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	4	0.12
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	13	0.12
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	13	0.12
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB2	1	0.12
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB3	1	0.12
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB2	12	0.12
(2,961)	1:753:C:LEU:H	1:750:C:ASN:HB3	12	0.12
(2,957)	1:749:C:VAL:H	1:746:C:ILE:HA	14	0.12
(2,948)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	9	0.12
(2,948)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	9	0.12
(2,948)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	9	0.12
(2,946)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	14	0.12
(2,946)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	14	0.12
(2,946)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	14	0.12
(2,946)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	14	0.12
(2,946)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	14	0.12
(2,946)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	14	0.12
(2,945)	1:746:C:ILE:HD11	1:743:C:ASP:HA	9	0.12
(2,945)	1:746:C:ILE:HD12	1:743:C:ASP:HA	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,945)	1:746:C:ILE:HD13	1:743:C:ASP:HA	9	0.12
(2,932)	1:740:C:ARG:H	1:739:C:GLU:HA	4	0.12
(2,915)	1:710:C:GLN:H	1:709:C:ARG:HA	3	0.12
(2,913)	1:709:C:ARG:HE	1:709:C:ARG:H	1	0.12
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB2	2	0.12
(2,905)	1:708:C:VAL:HG21	1:745:C:SER:HB3	2	0.12
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB2	2	0.12
(2,905)	1:708:C:VAL:HG22	1:745:C:SER:HB3	2	0.12
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB2	2	0.12
(2,905)	1:708:C:VAL:HG23	1:745:C:SER:HB3	2	0.12
(2,898)	1:708:C:VAL:H	1:705:C:VAL:HA	2	0.12
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD2	9	0.12
(2,896)	1:707:C:ARG:H	1:707:C:ARG:HD3	9	0.12
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.12
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.12
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.12
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.12
(2,876)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.12
(2,876)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.12
(2,876)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.12
(2,871)	1:705:C:VAL:H	1:702:C:LEU:HA	5	0.12
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	4	0.12
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	7	0.12
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	7	0.12
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	7	0.12
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	7	0.12
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	7	0.12
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	7	0.12
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	7	0.12
(2,849)	1:702:C:LEU:H	1:699:C:PHE:HA	9	0.12
(2,848)	1:701:C:VAL:HG21	1:698:C:VAL:HA	2	0.12
(2,848)	1:701:C:VAL:HG22	1:698:C:VAL:HA	2	0.12
(2,848)	1:701:C:VAL:HG23	1:698:C:VAL:HA	2	0.12
(2,842)	1:700:C:ALA:HB1	1:697:C:ILE:HA	4	0.12
(2,842)	1:700:C:ALA:HB2	1:697:C:ILE:HA	4	0.12
(2,842)	1:700:C:ALA:HB3	1:697:C:ILE:HA	4	0.12
(2,831)	1:698:C:VAL:HG11	1:695:C:LEU:HG	8	0.12
(2,831)	1:698:C:VAL:HG12	1:695:C:LEU:HG	8	0.12
(2,831)	1:698:C:VAL:HG13	1:695:C:LEU:HG	8	0.12
(2,831)	1:698:C:VAL:HG11	1:695:C:LEU:HG	13	0.12
(2,831)	1:698:C:VAL:HG12	1:695:C:LEU:HG	13	0.12
(2,831)	1:698:C:VAL:HG13	1:695:C:LEU:HG	13	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,826)	1:696:C:ARG:H	1:696:C:ARG:HE	9	0.12
(2,823)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	12	0.12
(2,823)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	12	0.12
(2,823)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	12	0.12
(2,823)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	12	0.12
(2,823)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	12	0.12
(2,823)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	12	0.12
(2,821)	1:695:C:LEU:HD21	1:698:C:VAL:HB	5	0.12
(2,821)	1:695:C:LEU:HD22	1:698:C:VAL:HB	5	0.12
(2,821)	1:695:C:LEU:HD23	1:698:C:VAL:HB	5	0.12
(2,809)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.12
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB2	10	0.12
(2,808)	1:692:C:LEU:HD11	1:691:C:SER:HB3	10	0.12
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB2	10	0.12
(2,808)	1:692:C:LEU:HD12	1:691:C:SER:HB3	10	0.12
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB2	10	0.12
(2,808)	1:692:C:LEU:HD13	1:691:C:SER:HB3	10	0.12
(2,800)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.12
(2,800)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.12
(2,800)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.12
(2,800)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.12
(2,800)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.12
(2,800)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.12
(2,800)	1:688:C:ILE:HG21	1:692:C:LEU:HG	10	0.12
(2,800)	1:688:C:ILE:HG22	1:692:C:LEU:HG	10	0.12
(2,800)	1:688:C:ILE:HG23	1:692:C:LEU:HG	10	0.12
(2,798)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.12
(2,798)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.12
(2,798)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.12
(2,795)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	5	0.12
(2,795)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	5	0.12
(2,795)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	5	0.12
(2,795)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	5	0.12
(2,795)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	5	0.12
(2,795)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	5	0.12
(2,794)	1:686:C:ILE:HD11	1:685:C:PHE:H	5	0.12
(2,794)	1:686:C:ILE:HD12	1:685:C:PHE:H	5	0.12
(2,794)	1:686:C:ILE:HD13	1:685:C:PHE:H	5	0.12
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.12
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.12
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.12
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.12
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.12
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.12
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.12
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.12
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.12
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.12
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.12
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.12
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.12
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.12
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.12
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.12
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.12
(2,771)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	15	0.12
(2,771)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	15	0.12
(2,771)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	15	0.12
(2,771)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	15	0.12
(2,771)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	15	0.12
(2,771)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	15	0.12
(2,758)	1:785:C:LEU:HD21	1:782:C:VAL:HA	2	0.12
(2,758)	1:785:C:LEU:HD22	1:782:C:VAL:HA	2	0.12
(2,758)	1:785:C:LEU:HD23	1:782:C:VAL:HA	2	0.12
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD2	4	0.12
(2,739)	1:783:C:GLU:H	1:780:C:ARG:HD3	4	0.12
(2,738)	1:783:C:GLU:H	1:780:C:ARG:HA	7	0.12
(2,715)	1:778:C:VAL:HG21	1:775:C:LEU:HA	13	0.12
(2,715)	1:778:C:VAL:HG22	1:775:C:LEU:HA	13	0.12
(2,715)	1:778:C:VAL:HG23	1:775:C:LEU:HA	13	0.12
(2,710)	1:778:C:VAL:H	1:775:C:LEU:HA	4	0.12
(2,708)	1:777:C:ILE:HD11	1:774:C:LEU:HA	7	0.12
(2,708)	1:777:C:ILE:HD12	1:774:C:LEU:HA	7	0.12
(2,708)	1:777:C:ILE:HD13	1:774:C:LEU:HA	7	0.12
(2,708)	1:777:C:ILE:HD11	1:774:C:LEU:HA	8	0.12
(2,708)	1:777:C:ILE:HD12	1:774:C:LEU:HA	8	0.12
(2,708)	1:777:C:ILE:HD13	1:774:C:LEU:HA	8	0.12
(2,677)	1:771:C:LEU:HD11	1:764:C:SER:HA	12	0.12
(2,677)	1:771:C:LEU:HD12	1:764:C:SER:HA	12	0.12
(2,677)	1:771:C:LEU:HD13	1:764:C:SER:HA	12	0.12
(2,674)	1:764:C:SER:H	1:761:C:ARG:HA	4	0.12
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	11	0.12
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	11	0.12
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	11	0.12
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	11	0.12
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	11	0.12
(2,671)	1:763:C:LEU:HD11	1:759:C:ASP:HA	12	0.12
(2,671)	1:763:C:LEU:HD12	1:759:C:ASP:HA	12	0.12
(2,671)	1:763:C:LEU:HD13	1:759:C:ASP:HA	12	0.12
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	12	0.12
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	12	0.12
(2,657)	1:757:C:TRP:HE1	1:753:C:LEU:HG	5	0.12
(2,657)	1:757:C:TRP:HE1	1:753:C:LEU:HG	6	0.12
(2,657)	1:757:C:TRP:HE1	1:753:C:LEU:HG	9	0.12
(2,655)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	14	0.12
(2,655)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	14	0.12
(2,655)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	14	0.12
(2,655)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	15	0.12
(2,655)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	15	0.12
(2,655)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	15	0.12
(2,650)	1:755:C:LEU:H	1:752:C:SER:HA	9	0.12
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	13	0.12
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	13	0.12
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	13	0.12
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	13	0.12
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	13	0.12
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	13	0.12
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	4	0.12
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	4	0.12
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	13	0.12
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	13	0.12
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB2	1	0.12
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB3	1	0.12
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB2	12	0.12
(2,634)	1:753:C:LEU:H	1:750:C:ASN:HB3	12	0.12
(2,630)	1:749:C:VAL:H	1:746:C:ILE:HA	14	0.12
(2,621)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	9	0.12
(2,621)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	9	0.12
(2,621)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	9	0.12
(2,619)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	14	0.12
(2,619)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	14	0.12
(2,619)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	14	0.12
(2,619)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	14	0.12
(2,619)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,619)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	14	0.12
(2,618)	1:746:C:ILE:HD11	1:743:C:ASP:HA	9	0.12
(2,618)	1:746:C:ILE:HD12	1:743:C:ASP:HA	9	0.12
(2,618)	1:746:C:ILE:HD13	1:743:C:ASP:HA	9	0.12
(2,605)	1:740:C:ARG:H	1:739:C:GLU:HA	4	0.12
(2,588)	1:710:C:GLN:H	1:709:C:ARG:HA	3	0.12
(2,586)	1:709:C:ARG:HE	1:709:C:ARG:H	1	0.12
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB2	2	0.12
(2,578)	1:708:C:VAL:HG21	1:745:C:SER:HB3	2	0.12
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB2	2	0.12
(2,578)	1:708:C:VAL:HG22	1:745:C:SER:HB3	2	0.12
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB2	2	0.12
(2,578)	1:708:C:VAL:HG23	1:745:C:SER:HB3	2	0.12
(2,571)	1:708:C:VAL:H	1:705:C:VAL:HA	2	0.12
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD2	9	0.12
(2,569)	1:707:C:ARG:H	1:707:C:ARG:HD3	9	0.12
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.12
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.12
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.12
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.12
(2,549)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.12
(2,549)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.12
(2,549)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.12
(2,544)	1:705:C:VAL:H	1:702:C:LEU:HA	5	0.12
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	4	0.12
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	7	0.12
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	7	0.12
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	7	0.12
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	7	0.12
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	7	0.12
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	7	0.12
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	7	0.12
(2,522)	1:702:C:LEU:H	1:699:C:PHE:HA	9	0.12
(2,521)	1:701:C:VAL:HG21	1:698:C:VAL:HA	2	0.12
(2,521)	1:701:C:VAL:HG22	1:698:C:VAL:HA	2	0.12
(2,521)	1:701:C:VAL:HG23	1:698:C:VAL:HA	2	0.12
(2,515)	1:700:C:ALA:HB1	1:697:C:ILE:HA	4	0.12
(2,515)	1:700:C:ALA:HB2	1:697:C:ILE:HA	4	0.12
(2,515)	1:700:C:ALA:HB3	1:697:C:ILE:HA	4	0.12
(2,504)	1:698:C:VAL:HG11	1:695:C:LEU:HG	8	0.12
(2,504)	1:698:C:VAL:HG12	1:695:C:LEU:HG	8	0.12
(2,504)	1:698:C:VAL:HG13	1:695:C:LEU:HG	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,504)	1:698:C:VAL:HG11	1:695:C:LEU:HG	13	0.12
(2,504)	1:698:C:VAL:HG12	1:695:C:LEU:HG	13	0.12
(2,504)	1:698:C:VAL:HG13	1:695:C:LEU:HG	13	0.12
(2,499)	1:696:C:ARG:H	1:696:C:ARG:HE	9	0.12
(2,496)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	12	0.12
(2,496)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	12	0.12
(2,496)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	12	0.12
(2,496)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	12	0.12
(2,496)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	12	0.12
(2,496)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	12	0.12
(2,494)	1:695:C:LEU:HD21	1:698:C:VAL:HB	5	0.12
(2,494)	1:695:C:LEU:HD22	1:698:C:VAL:HB	5	0.12
(2,494)	1:695:C:LEU:HD23	1:698:C:VAL:HB	5	0.12
(2,482)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.12
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB2	10	0.12
(2,481)	1:692:C:LEU:HD11	1:691:C:SER:HB3	10	0.12
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB2	10	0.12
(2,481)	1:692:C:LEU:HD12	1:691:C:SER:HB3	10	0.12
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB2	10	0.12
(2,481)	1:692:C:LEU:HD13	1:691:C:SER:HB3	10	0.12
(2,473)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.12
(2,473)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.12
(2,473)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.12
(2,473)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.12
(2,473)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.12
(2,473)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.12
(2,473)	1:688:C:ILE:HG21	1:692:C:LEU:HG	10	0.12
(2,473)	1:688:C:ILE:HG22	1:692:C:LEU:HG	10	0.12
(2,473)	1:688:C:ILE:HG23	1:692:C:LEU:HG	10	0.12
(2,471)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.12
(2,471)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.12
(2,471)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.12
(2,468)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	5	0.12
(2,468)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	5	0.12
(2,468)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	5	0.12
(2,468)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	5	0.12
(2,468)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	5	0.12
(2,468)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	5	0.12
(2,467)	1:686:C:ILE:HD11	1:685:C:PHE:H	5	0.12
(2,467)	1:686:C:ILE:HD12	1:685:C:PHE:H	5	0.12
(2,467)	1:686:C:ILE:HD13	1:685:C:PHE:H	5	0.12
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.12
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.12
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.12
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.12
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.12
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.12
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.12
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.12
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.12
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.12
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.12
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.12
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.12
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.12
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.12
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.12
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.12
(2,444)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	15	0.12
(2,444)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	15	0.12
(2,444)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	15	0.12
(2,444)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	15	0.12
(2,444)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	15	0.12
(2,444)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	15	0.12
(2,431)	1:785:C:LEU:HD21	1:782:C:VAL:HA	2	0.12
(2,431)	1:785:C:LEU:HD22	1:782:C:VAL:HA	2	0.12
(2,431)	1:785:C:LEU:HD23	1:782:C:VAL:HA	2	0.12
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD2	4	0.12
(2,412)	1:783:C:GLU:H	1:780:C:ARG:HD3	4	0.12
(2,411)	1:783:C:GLU:H	1:780:C:ARG:HA	7	0.12
(2,388)	1:778:C:VAL:HG21	1:775:C:LEU:HA	13	0.12
(2,388)	1:778:C:VAL:HG22	1:775:C:LEU:HA	13	0.12
(2,388)	1:778:C:VAL:HG23	1:775:C:LEU:HA	13	0.12
(2,383)	1:778:C:VAL:H	1:775:C:LEU:HA	4	0.12
(2,381)	1:777:C:ILE:HD11	1:774:C:LEU:HA	7	0.12
(2,381)	1:777:C:ILE:HD12	1:774:C:LEU:HA	7	0.12
(2,381)	1:777:C:ILE:HD13	1:774:C:LEU:HA	7	0.12
(2,381)	1:777:C:ILE:HD11	1:774:C:LEU:HA	8	0.12
(2,381)	1:777:C:ILE:HD12	1:774:C:LEU:HA	8	0.12
(2,381)	1:777:C:ILE:HD13	1:774:C:LEU:HA	8	0.12
(2,350)	1:771:C:LEU:HD11	1:764:C:SER:HA	12	0.12
(2,350)	1:771:C:LEU:HD12	1:764:C:SER:HA	12	0.12
(2,350)	1:771:C:LEU:HD13	1:764:C:SER:HA	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,347)	1:764:C:SER:H	1:761:C:ARG:HA	4	0.12
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	11	0.12
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	11	0.12
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	11	0.12
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	11	0.12
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	11	0.12
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	11	0.12
(2,344)	1:763:C:LEU:HD11	1:759:C:ASP:HA	12	0.12
(2,344)	1:763:C:LEU:HD12	1:759:C:ASP:HA	12	0.12
(2,344)	1:763:C:LEU:HD13	1:759:C:ASP:HA	12	0.12
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	12	0.12
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	12	0.12
(2,330)	1:757:C:TRP:HE1	1:753:C:LEU:HG	5	0.12
(2,330)	1:757:C:TRP:HE1	1:753:C:LEU:HG	6	0.12
(2,330)	1:757:C:TRP:HE1	1:753:C:LEU:HG	9	0.12
(2,328)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	14	0.12
(2,328)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	14	0.12
(2,328)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	14	0.12
(2,328)	1:755:C:LEU:HD21	1:759:C:ASP:HB3	15	0.12
(2,328)	1:755:C:LEU:HD22	1:759:C:ASP:HB3	15	0.12
(2,328)	1:755:C:LEU:HD23	1:759:C:ASP:HB3	15	0.12
(2,323)	1:755:C:LEU:H	1:752:C:SER:HA	9	0.12
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	13	0.12
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	13	0.12
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	13	0.12
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	13	0.12
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	13	0.12
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	13	0.12
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	4	0.12
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	4	0.12
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	13	0.12
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	13	0.12
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB2	1	0.12
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB3	1	0.12
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB2	12	0.12
(2,307)	1:753:C:LEU:H	1:750:C:ASN:HB3	12	0.12
(2,303)	1:749:C:VAL:H	1:746:C:ILE:HA	14	0.12
(2,294)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	9	0.12
(2,294)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	9	0.12
(2,294)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	9	0.12
(2,292)	1:746:C:ILE:HD11	1:743:C:ASP:HB2	14	0.12
(2,292)	1:746:C:ILE:HD11	1:743:C:ASP:HB3	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,292)	1:746:C:ILE:HD12	1:743:C:ASP:HB2	14	0.12
(2,292)	1:746:C:ILE:HD12	1:743:C:ASP:HB3	14	0.12
(2,292)	1:746:C:ILE:HD13	1:743:C:ASP:HB2	14	0.12
(2,292)	1:746:C:ILE:HD13	1:743:C:ASP:HB3	14	0.12
(2,291)	1:746:C:ILE:HD11	1:743:C:ASP:HA	9	0.12
(2,291)	1:746:C:ILE:HD12	1:743:C:ASP:HA	9	0.12
(2,291)	1:746:C:ILE:HD13	1:743:C:ASP:HA	9	0.12
(2,278)	1:740:C:ARG:H	1:739:C:GLU:HA	4	0.12
(2,261)	1:710:C:GLN:H	1:709:C:ARG:HA	3	0.12
(2,259)	1:709:C:ARG:HE	1:709:C:ARG:H	1	0.12
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB2	2	0.12
(2,251)	1:708:C:VAL:HG21	1:745:C:SER:HB3	2	0.12
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB2	2	0.12
(2,251)	1:708:C:VAL:HG22	1:745:C:SER:HB3	2	0.12
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB2	2	0.12
(2,251)	1:708:C:VAL:HG23	1:745:C:SER:HB3	2	0.12
(2,244)	1:708:C:VAL:H	1:705:C:VAL:HA	2	0.12
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD2	9	0.12
(2,242)	1:707:C:ARG:H	1:707:C:ARG:HD3	9	0.12
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	5	0.12
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	5	0.12
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	13	0.12
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	13	0.12
(2,222)	1:705:C:VAL:HG11	1:702:C:LEU:HA	9	0.12
(2,222)	1:705:C:VAL:HG12	1:702:C:LEU:HA	9	0.12
(2,222)	1:705:C:VAL:HG13	1:702:C:LEU:HA	9	0.12
(2,217)	1:705:C:VAL:H	1:702:C:LEU:HA	5	0.12
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	4	0.12
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	7	0.12
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	7	0.12
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	7	0.12
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	7	0.12
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	7	0.12
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	7	0.12
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	7	0.12
(2,195)	1:702:C:LEU:H	1:699:C:PHE:HA	9	0.12
(2,194)	1:701:C:VAL:HG21	1:698:C:VAL:HA	2	0.12
(2,194)	1:701:C:VAL:HG22	1:698:C:VAL:HA	2	0.12
(2,194)	1:701:C:VAL:HG23	1:698:C:VAL:HA	2	0.12
(2,188)	1:700:C:ALA:HB1	1:697:C:ILE:HA	4	0.12
(2,188)	1:700:C:ALA:HB2	1:697:C:ILE:HA	4	0.12
(2,188)	1:700:C:ALA:HB3	1:697:C:ILE:HA	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,177)	1:698:C:VAL:HG11	1:695:C:LEU:HG	8	0.12
(2,177)	1:698:C:VAL:HG12	1:695:C:LEU:HG	8	0.12
(2,177)	1:698:C:VAL:HG13	1:695:C:LEU:HG	8	0.12
(2,177)	1:698:C:VAL:HG11	1:695:C:LEU:HG	13	0.12
(2,177)	1:698:C:VAL:HG12	1:695:C:LEU:HG	13	0.12
(2,177)	1:698:C:VAL:HG13	1:695:C:LEU:HG	13	0.12
(2,172)	1:696:C:ARG:H	1:696:C:ARG:HE	9	0.12
(2,169)	1:695:C:LEU:HD21	1:699:C:PHE:HE1	12	0.12
(2,169)	1:695:C:LEU:HD21	1:699:C:PHE:HE2	12	0.12
(2,169)	1:695:C:LEU:HD22	1:699:C:PHE:HE1	12	0.12
(2,169)	1:695:C:LEU:HD22	1:699:C:PHE:HE2	12	0.12
(2,169)	1:695:C:LEU:HD23	1:699:C:PHE:HE1	12	0.12
(2,169)	1:695:C:LEU:HD23	1:699:C:PHE:HE2	12	0.12
(2,167)	1:695:C:LEU:HD21	1:698:C:VAL:HB	5	0.12
(2,167)	1:695:C:LEU:HD22	1:698:C:VAL:HB	5	0.12
(2,167)	1:695:C:LEU:HD23	1:698:C:VAL:HB	5	0.12
(2,155)	1:692:C:LEU:HD12	1:696:C:ARG:HH11	11	0.12
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB2	10	0.12
(2,154)	1:692:C:LEU:HD11	1:691:C:SER:HB3	10	0.12
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB2	10	0.12
(2,154)	1:692:C:LEU:HD12	1:691:C:SER:HB3	10	0.12
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB2	10	0.12
(2,154)	1:692:C:LEU:HD13	1:691:C:SER:HB3	10	0.12
(2,146)	1:688:C:ILE:HG21	1:692:C:LEU:HG	2	0.12
(2,146)	1:688:C:ILE:HG22	1:692:C:LEU:HG	2	0.12
(2,146)	1:688:C:ILE:HG23	1:692:C:LEU:HG	2	0.12
(2,146)	1:688:C:ILE:HG21	1:692:C:LEU:HG	4	0.12
(2,146)	1:688:C:ILE:HG22	1:692:C:LEU:HG	4	0.12
(2,146)	1:688:C:ILE:HG23	1:692:C:LEU:HG	4	0.12
(2,146)	1:688:C:ILE:HG21	1:692:C:LEU:HG	10	0.12
(2,146)	1:688:C:ILE:HG22	1:692:C:LEU:HG	10	0.12
(2,146)	1:688:C:ILE:HG23	1:692:C:LEU:HG	10	0.12
(2,144)	1:687:C:ILE:HG21	1:691:C:SER:HG	3	0.12
(2,144)	1:687:C:ILE:HG22	1:691:C:SER:HG	3	0.12
(2,144)	1:687:C:ILE:HG23	1:691:C:SER:HG	3	0.12
(2,141)	1:686:C:ILE:HD11	1:685:C:PHE:HD1	5	0.12
(2,141)	1:686:C:ILE:HD11	1:685:C:PHE:HD2	5	0.12
(2,141)	1:686:C:ILE:HD12	1:685:C:PHE:HD1	5	0.12
(2,141)	1:686:C:ILE:HD12	1:685:C:PHE:HD2	5	0.12
(2,141)	1:686:C:ILE:HD13	1:685:C:PHE:HD1	5	0.12
(2,141)	1:686:C:ILE:HD13	1:685:C:PHE:HD2	5	0.12
(2,140)	1:686:C:ILE:HD11	1:685:C:PHE:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,140)	1:686:C:ILE:HD12	1:685:C:PHE:H	5	0.12
(2,140)	1:686:C:ILE:HD13	1:685:C:PHE:H	5	0.12
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	14	0.12
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	14	0.12
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	14	0.12
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	14	0.12
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	14	0.12
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	14	0.12
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	1	0.12
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	1	0.12
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	1	0.12
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	1	0.12
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	1	0.12
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	1	0.12
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	4	0.12
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	4	0.12
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	4	0.12
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	4	0.12
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	4	0.12
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	4	0.12
(2,117)	1:679:C:LEU:HD11	1:680:C:TRP:HZ3	15	0.12
(2,117)	1:679:C:LEU:HD12	1:680:C:TRP:HZ3	15	0.12
(2,117)	1:679:C:LEU:HD13	1:680:C:TRP:HZ3	15	0.12
(2,117)	1:679:C:LEU:HD21	1:680:C:TRP:HZ3	15	0.12
(2,117)	1:679:C:LEU:HD22	1:680:C:TRP:HZ3	15	0.12
(2,117)	1:679:C:LEU:HD23	1:680:C:TRP:HZ3	15	0.12
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.12
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.12
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.12
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.12
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.12
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.12
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.12
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.12
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.12
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.12
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.12
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.12
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	2	0.12
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	2	0.12
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	2	0.12
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	2	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	2	0.12
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	2	0.12
(1,75)	1:756:C:ILE:O	1:760:C:LEU:H	10	0.12
(1,69)	1:753:C:LEU:O	1:757:C:TRP:H	12	0.12
(1,68)	1:747:C:ARG:O	1:751:C:GLY:N	14	0.12
(1,49)	1:756:C:ILE:O	1:760:C:LEU:H	10	0.12
(1,43)	1:753:C:LEU:O	1:757:C:TRP:H	12	0.12
(1,42)	1:747:C:ARG:O	1:751:C:GLY:N	14	0.12
(1,23)	1:756:C:ILE:O	1:760:C:LEU:H	10	0.12
(1,17)	1:753:C:LEU:O	1:757:C:TRP:H	12	0.12
(1,16)	1:747:C:ARG:O	1:751:C:GLY:N	14	0.12
(2,1094)	1:770:C:ARG:HH21	1:773:C:ASP:OD2	8	0.11
(2,1092)	1:744:C:ARG:HH21	1:741:C:ASP:OD2	1	0.11
(2,1091)	1:740:C:ARG:HH22	1:743:C:ASP:OD1	11	0.11
(2,1059)	1:782:C:VAL:H	1:779:C:THR:HA	13	0.11
(2,1038)	1:778:C:VAL:H	1:777:C:ILE:HA	11	0.11
(2,1035)	1:777:C:ILE:HD11	1:774:C:LEU:HA	1	0.11
(2,1035)	1:777:C:ILE:HD12	1:774:C:LEU:HA	1	0.11
(2,1035)	1:777:C:ILE:HD13	1:774:C:LEU:HA	1	0.11
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	2	0.11
(2,999)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	2	0.11
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	2	0.11
(2,999)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	2	0.11
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	2	0.11
(2,999)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	2	0.11
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	1	0.11
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	1	0.11
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	4	0.11
(2,985)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	4	0.11
(2,977)	1:755:C:LEU:H	1:752:C:SER:HA	5	0.11
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	2	0.11
(2,973)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	2	0.11
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	2	0.11
(2,973)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	2	0.11
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	2	0.11
(2,973)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	2	0.11
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB2	9	0.11
(2,968)	1:754:C:ALA:H	1:750:C:ASN:HB3	9	0.11
(2,967)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	15	0.11
(2,967)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	15	0.11
(2,967)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	15	0.11
(2,967)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,967)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	15	0.11
(2,967)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	15	0.11
(2,957)	1:749:C:VAL:H	1:746:C:ILE:HA	1	0.11
(2,957)	1:749:C:VAL:H	1:746:C:ILE:HA	12	0.11
(2,954)	1:748:C:LEU:H	1:745:C:SER:HA	2	0.11
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD2	11	0.11
(2,953)	1:748:C:LEU:H	1:744:C:ARG:HD3	11	0.11
(2,949)	1:747:C:ARG:H	1:744:C:ARG:HA	7	0.11
(2,948)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	11	0.11
(2,948)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	11	0.11
(2,948)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	11	0.11
(2,915)	1:710:C:GLN:H	1:709:C:ARG:HA	2	0.11
(2,903)	1:708:C:VAL:HG11	1:705:C:VAL:HA	15	0.11
(2,903)	1:708:C:VAL:HG12	1:705:C:VAL:HA	15	0.11
(2,903)	1:708:C:VAL:HG13	1:705:C:VAL:HA	15	0.11
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	10	0.11
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	10	0.11
(2,882)	1:706:C:ASN:H	1:703:C:SER:HA	14	0.11
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.11
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.11
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.11
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.11
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.11
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.11
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.11
(2,881)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.11
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.11
(2,881)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.11
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.11
(2,881)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.11
(2,871)	1:705:C:VAL:H	1:702:C:LEU:HA	11	0.11
(2,855)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	10	0.11
(2,855)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	10	0.11
(2,855)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	10	0.11
(2,855)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	10	0.11
(2,855)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	10	0.11
(2,855)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	10	0.11
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	9	0.11
(2,853)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	9	0.11
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	9	0.11
(2,853)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	9	0.11
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,853)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	9	0.11
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.11
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.11
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.11
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.11
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.11
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.11
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB2	9	0.11
(2,819)	1:695:C:LEU:HD11	1:691:C:SER:HB3	9	0.11
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB2	9	0.11
(2,819)	1:695:C:LEU:HD12	1:691:C:SER:HB3	9	0.11
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB2	9	0.11
(2,819)	1:695:C:LEU:HD13	1:691:C:SER:HB3	9	0.11
(2,798)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.11
(2,798)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.11
(2,798)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.11
(2,793)	1:686:C:ILE:HD11	1:683:C:ARG:HA	10	0.11
(2,793)	1:686:C:ILE:HD12	1:683:C:ARG:HA	10	0.11
(2,793)	1:686:C:ILE:HD13	1:683:C:ARG:HA	10	0.11
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.11
(2,787)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.11
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.11
(2,787)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.11
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.11
(2,787)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.11
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	12	0.11
(2,784)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	12	0.11
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	12	0.11
(2,784)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	12	0.11
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	12	0.11
(2,784)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	12	0.11
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.11
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.11
(2,779)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.11
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.11
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.11
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.11
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.11
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.11
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.11
(2,767)	1:770:C:ARG:HH21	1:773:C:ASP:OD2	8	0.11
(2,765)	1:744:C:ARG:HH21	1:741:C:ASP:OD2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,764)	1:740:C:ARG:HH22	1:743:C:ASP:OD1	11	0.11
(2,732)	1:782:C:VAL:H	1:779:C:THR:HA	13	0.11
(2,711)	1:778:C:VAL:H	1:777:C:ILE:HA	11	0.11
(2,708)	1:777:C:ILE:HD11	1:774:C:LEU:HA	1	0.11
(2,708)	1:777:C:ILE:HD12	1:774:C:LEU:HA	1	0.11
(2,708)	1:777:C:ILE:HD13	1:774:C:LEU:HA	1	0.11
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	2	0.11
(2,672)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	2	0.11
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	2	0.11
(2,672)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	2	0.11
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	2	0.11
(2,672)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	2	0.11
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	1	0.11
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	1	0.11
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	4	0.11
(2,658)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	4	0.11
(2,650)	1:755:C:LEU:H	1:752:C:SER:HA	5	0.11
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	2	0.11
(2,646)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	2	0.11
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	2	0.11
(2,646)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	2	0.11
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	2	0.11
(2,646)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	2	0.11
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB2	9	0.11
(2,641)	1:754:C:ALA:H	1:750:C:ASN:HB3	9	0.11
(2,640)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	15	0.11
(2,640)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	15	0.11
(2,640)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	15	0.11
(2,640)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	15	0.11
(2,640)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	15	0.11
(2,640)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	15	0.11
(2,630)	1:749:C:VAL:H	1:746:C:ILE:HA	1	0.11
(2,630)	1:749:C:VAL:H	1:746:C:ILE:HA	12	0.11
(2,627)	1:748:C:LEU:H	1:745:C:SER:HA	2	0.11
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD2	11	0.11
(2,626)	1:748:C:LEU:H	1:744:C:ARG:HD3	11	0.11
(2,622)	1:747:C:ARG:H	1:744:C:ARG:HA	7	0.11
(2,621)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	11	0.11
(2,621)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	11	0.11
(2,621)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	11	0.11
(2,588)	1:710:C:GLN:H	1:709:C:ARG:HA	2	0.11
(2,576)	1:708:C:VAL:HG11	1:705:C:VAL:HA	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,576)	1:708:C:VAL:HG12	1:705:C:VAL:HA	15	0.11
(2,576)	1:708:C:VAL:HG13	1:705:C:VAL:HA	15	0.11
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	10	0.11
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	10	0.11
(2,555)	1:706:C:ASN:H	1:703:C:SER:HA	14	0.11
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.11
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.11
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.11
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.11
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.11
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.11
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.11
(2,554)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.11
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.11
(2,554)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.11
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.11
(2,554)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.11
(2,544)	1:705:C:VAL:H	1:702:C:LEU:HA	11	0.11
(2,528)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	10	0.11
(2,528)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	10	0.11
(2,528)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	10	0.11
(2,528)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	10	0.11
(2,528)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	10	0.11
(2,528)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	10	0.11
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	9	0.11
(2,526)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	9	0.11
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	9	0.11
(2,526)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	9	0.11
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	9	0.11
(2,526)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	9	0.11
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.11
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.11
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.11
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.11
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.11
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.11
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB2	9	0.11
(2,492)	1:695:C:LEU:HD11	1:691:C:SER:HB3	9	0.11
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB2	9	0.11
(2,492)	1:695:C:LEU:HD12	1:691:C:SER:HB3	9	0.11
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB2	9	0.11
(2,492)	1:695:C:LEU:HD13	1:691:C:SER:HB3	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,471)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.11
(2,471)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.11
(2,471)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.11
(2,466)	1:686:C:ILE:HD11	1:683:C:ARG:HA	10	0.11
(2,466)	1:686:C:ILE:HD12	1:683:C:ARG:HA	10	0.11
(2,466)	1:686:C:ILE:HD13	1:683:C:ARG:HA	10	0.11
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.11
(2,460)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.11
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.11
(2,460)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.11
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.11
(2,460)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.11
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	12	0.11
(2,457)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	12	0.11
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	12	0.11
(2,457)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	12	0.11
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	12	0.11
(2,457)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	12	0.11
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.11
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.11
(2,452)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.11
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.11
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.11
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.11
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.11
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.11
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.11
(2,440)	1:770:C:ARG:HH21	1:773:C:ASP:OD2	8	0.11
(2,438)	1:744:C:ARG:HH21	1:741:C:ASP:OD2	1	0.11
(2,437)	1:740:C:ARG:HH22	1:743:C:ASP:OD1	11	0.11
(2,405)	1:782:C:VAL:H	1:779:C:THR:HA	13	0.11
(2,384)	1:778:C:VAL:H	1:777:C:ILE:HA	11	0.11
(2,381)	1:777:C:ILE:HD11	1:774:C:LEU:HA	1	0.11
(2,381)	1:777:C:ILE:HD12	1:774:C:LEU:HA	1	0.11
(2,381)	1:777:C:ILE:HD13	1:774:C:LEU:HA	1	0.11
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE1	2	0.11
(2,345)	1:763:C:LEU:HD21	1:768:C:TYR:HE2	2	0.11
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE1	2	0.11
(2,345)	1:763:C:LEU:HD22	1:768:C:TYR:HE2	2	0.11
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE1	2	0.11
(2,345)	1:763:C:LEU:HD23	1:768:C:TYR:HE2	2	0.11
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	1	0.11
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB2	4	0.11
(2,331)	1:757:C:TRP:HE1	1:760:C:LEU:HB3	4	0.11
(2,323)	1:755:C:LEU:H	1:752:C:SER:HA	5	0.11
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA2	2	0.11
(2,319)	1:754:C:ALA:HB1	1:751:C:GLY:HA3	2	0.11
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA2	2	0.11
(2,319)	1:754:C:ALA:HB2	1:751:C:GLY:HA3	2	0.11
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA2	2	0.11
(2,319)	1:754:C:ALA:HB3	1:751:C:GLY:HA3	2	0.11
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB2	9	0.11
(2,314)	1:754:C:ALA:H	1:750:C:ASN:HB3	9	0.11
(2,313)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	15	0.11
(2,313)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	15	0.11
(2,313)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	15	0.11
(2,313)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	15	0.11
(2,313)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	15	0.11
(2,313)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	15	0.11
(2,303)	1:749:C:VAL:H	1:746:C:ILE:HA	1	0.11
(2,303)	1:749:C:VAL:H	1:746:C:ILE:HA	12	0.11
(2,300)	1:748:C:LEU:H	1:745:C:SER:HA	2	0.11
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD2	11	0.11
(2,299)	1:748:C:LEU:H	1:744:C:ARG:HD3	11	0.11
(2,295)	1:747:C:ARG:H	1:744:C:ARG:HA	7	0.11
(2,294)	1:746:C:ILE:HG21	1:750:C:ASN:HD22	11	0.11
(2,294)	1:746:C:ILE:HG22	1:750:C:ASN:HD22	11	0.11
(2,294)	1:746:C:ILE:HG23	1:750:C:ASN:HD22	11	0.11
(2,261)	1:710:C:GLN:H	1:709:C:ARG:HA	2	0.11
(2,249)	1:708:C:VAL:HG11	1:705:C:VAL:HA	15	0.11
(2,249)	1:708:C:VAL:HG12	1:705:C:VAL:HA	15	0.11
(2,249)	1:708:C:VAL:HG13	1:705:C:VAL:HA	15	0.11
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	10	0.11
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	10	0.11
(2,228)	1:706:C:ASN:H	1:703:C:SER:HA	14	0.11
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	5	0.11
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	5	0.11
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	5	0.11
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	5	0.11
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	5	0.11
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	5	0.11
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB2	15	0.11
(2,227)	1:705:C:VAL:HG21	1:706:C:ASN:HB3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB2	15	0.11
(2,227)	1:705:C:VAL:HG22	1:706:C:ASN:HB3	15	0.11
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB2	15	0.11
(2,227)	1:705:C:VAL:HG23	1:706:C:ASN:HB3	15	0.11
(2,217)	1:705:C:VAL:H	1:702:C:LEU:HA	11	0.11
(2,201)	1:702:C:LEU:HD21	1:706:C:ASN:HD21	10	0.11
(2,201)	1:702:C:LEU:HD21	1:706:C:ASN:HD22	10	0.11
(2,201)	1:702:C:LEU:HD22	1:706:C:ASN:HD21	10	0.11
(2,201)	1:702:C:LEU:HD22	1:706:C:ASN:HD22	10	0.11
(2,201)	1:702:C:LEU:HD23	1:706:C:ASN:HD21	10	0.11
(2,201)	1:702:C:LEU:HD23	1:706:C:ASN:HD22	10	0.11
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE1	9	0.11
(2,199)	1:702:C:LEU:HD11	1:699:C:PHE:HE2	9	0.11
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE1	9	0.11
(2,199)	1:702:C:LEU:HD12	1:699:C:PHE:HE2	9	0.11
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE1	9	0.11
(2,199)	1:702:C:LEU:HD13	1:699:C:PHE:HE2	9	0.11
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB2	1	0.11
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB3	1	0.11
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB2	1	0.11
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB3	1	0.11
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB2	1	0.11
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB3	1	0.11
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB2	9	0.11
(2,165)	1:695:C:LEU:HD11	1:691:C:SER:HB3	9	0.11
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB2	9	0.11
(2,165)	1:695:C:LEU:HD12	1:691:C:SER:HB3	9	0.11
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB2	9	0.11
(2,165)	1:695:C:LEU:HD13	1:691:C:SER:HB3	9	0.11
(2,144)	1:687:C:ILE:HG21	1:691:C:SER:HG	12	0.11
(2,144)	1:687:C:ILE:HG22	1:691:C:SER:HG	12	0.11
(2,144)	1:687:C:ILE:HG23	1:691:C:SER:HG	12	0.11
(2,139)	1:686:C:ILE:HD11	1:683:C:ARG:HA	10	0.11
(2,139)	1:686:C:ILE:HD12	1:683:C:ARG:HA	10	0.11
(2,139)	1:686:C:ILE:HD13	1:683:C:ARG:HA	10	0.11
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD2	3	0.11
(2,133)	1:684:C:ILE:HG21	1:683:C:ARG:HD3	3	0.11
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD2	3	0.11
(2,133)	1:684:C:ILE:HG22	1:683:C:ARG:HD3	3	0.11
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD2	3	0.11
(2,133)	1:684:C:ILE:HG23	1:683:C:ARG:HD3	3	0.11
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,130)	1:684:C:ILE:HG21	1:680:C:TRP:HB3	12	0.11
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB2	12	0.11
(2,130)	1:684:C:ILE:HG22	1:680:C:TRP:HB3	12	0.11
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB2	12	0.11
(2,130)	1:684:C:ILE:HG23	1:680:C:TRP:HB3	12	0.11
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG21	15	0.11
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG22	15	0.11
(2,125)	1:683:C:ARG:HE	1:687:C:ILE:HG23	15	0.11
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	14	0.11
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	14	0.11
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	14	0.11
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	14	0.11
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	14	0.11
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	14	0.11
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.11
(2,48)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.11
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.11
(2,48)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.11
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.11
(2,48)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.11
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.11
(2,47)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.11
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.11
(2,47)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.11
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.11
(2,47)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.11
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB2	3	0.11
(2,46)	1:700:C:ALA:HB1	1:702:C:LEU:HB3	3	0.11
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB2	3	0.11
(2,46)	1:700:C:ALA:HB2	1:702:C:LEU:HB3	3	0.11
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB2	3	0.11
(2,46)	1:700:C:ALA:HB3	1:702:C:LEU:HB3	3	0.11
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.11
(2,45)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.11
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.11
(2,45)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.11
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.11
(2,45)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.11
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.11
(2,44)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.11
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.11
(2,44)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.11
(2,44)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.11
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD1	1	0.11
(2,43)	1:700:C:ALA:HB1	1:699:C:PHE:HD2	1	0.11
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD1	1	0.11
(2,43)	1:700:C:ALA:HB2	1:699:C:PHE:HD2	1	0.11
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD1	1	0.11
(2,43)	1:700:C:ALA:HB3	1:699:C:PHE:HD2	1	0.11
(1,71)	1:754:C:ALA:O	1:758:C:ASP:H	8	0.11
(1,70)	1:753:C:LEU:O	1:757:C:TRP:N	7	0.11
(1,70)	1:753:C:LEU:O	1:757:C:TRP:N	14	0.11
(1,45)	1:754:C:ALA:O	1:758:C:ASP:H	8	0.11
(1,44)	1:753:C:LEU:O	1:757:C:TRP:N	7	0.11
(1,44)	1:753:C:LEU:O	1:757:C:TRP:N	14	0.11
(1,19)	1:754:C:ALA:O	1:758:C:ASP:H	8	0.11
(1,18)	1:753:C:LEU:O	1:757:C:TRP:N	7	0.11
(1,18)	1:753:C:LEU:O	1:757:C:TRP:N	14	0.11
(2,1077)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	9	0.1
(2,1077)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	9	0.1
(2,1077)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	9	0.1
(2,1077)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	9	0.1
(2,1077)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	9	0.1
(2,1077)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	9	0.1
(2,1065)	1:783:C:GLU:H	1:780:C:ARG:HA	1	0.1
(2,1054)	1:781:C:ILE:H	1:780:C:ARG:HA	11	0.1
(2,1038)	1:778:C:VAL:H	1:777:C:ILE:HA	2	0.1
(2,988)	1:758:C:ASP:H	1:754:C:ALA:HB1	8	0.1
(2,988)	1:758:C:ASP:H	1:754:C:ALA:HB2	8	0.1
(2,988)	1:758:C:ASP:H	1:754:C:ALA:HB3	8	0.1
(2,975)	1:754:C:ALA:HB1	1:758:C:ASP:H	8	0.1
(2,975)	1:754:C:ALA:HB2	1:758:C:ASP:H	8	0.1
(2,975)	1:754:C:ALA:HB3	1:758:C:ASP:H	8	0.1
(2,967)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	8	0.1
(2,967)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	8	0.1
(2,967)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	8	0.1
(2,967)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	8	0.1
(2,967)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	8	0.1
(2,967)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	8	0.1
(2,940)	1:746:C:ILE:H	1:743:C:ASP:HB2	3	0.1
(2,940)	1:746:C:ILE:H	1:743:C:ASP:HB3	3	0.1
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB2	6	0.1
(2,888)	1:707:C:ARG:H	1:703:C:SER:HB3	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,871)	1:705:C:VAL:H	1:702:C:LEU:HA	15	0.1
(2,865)	1:704:C:LEU:H	1:704:C:LEU:HB3	9	0.1
(2,860)	1:704:C:LEU:H	1:701:C:VAL:HA	8	0.1
(2,860)	1:704:C:LEU:H	1:701:C:VAL:HA	15	0.1
(2,854)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	12	0.1
(2,854)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	12	0.1
(2,854)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	12	0.1
(2,854)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	12	0.1
(2,854)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	12	0.1
(2,854)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	12	0.1
(2,847)	1:701:C:VAL:HG11	1:698:C:VAL:HA	2	0.1
(2,847)	1:701:C:VAL:HG12	1:698:C:VAL:HA	2	0.1
(2,847)	1:701:C:VAL:HG13	1:698:C:VAL:HA	2	0.1
(2,822)	1:695:C:LEU:HD21	1:698:C:VAL:H	3	0.1
(2,822)	1:695:C:LEU:HD22	1:698:C:VAL:H	3	0.1
(2,822)	1:695:C:LEU:HD23	1:698:C:VAL:H	3	0.1
(2,798)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.1
(2,798)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.1
(2,798)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.1
(2,798)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.1
(2,798)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.1
(2,798)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.1
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.1
(2,775)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.1
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.1
(2,775)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.1
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.1
(2,775)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.1
(2,773)	1:682:C:ILE:HG21	1:679:C:LEU:H	9	0.1
(2,773)	1:682:C:ILE:HG22	1:679:C:LEU:H	9	0.1
(2,773)	1:682:C:ILE:HG23	1:679:C:LEU:H	9	0.1
(2,770)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	6	0.1
(2,770)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	6	0.1
(2,770)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	6	0.1
(2,770)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	6	0.1
(2,770)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	6	0.1
(2,770)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	6	0.1
(2,750)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	9	0.1
(2,750)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	9	0.1
(2,750)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	9	0.1
(2,750)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	9	0.1
(2,750)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,750)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	9	0.1
(2,738)	1:783:C:GLU:H	1:780:C:ARG:HA	1	0.1
(2,727)	1:781:C:ILE:H	1:780:C:ARG:HA	11	0.1
(2,711)	1:778:C:VAL:H	1:777:C:ILE:HA	2	0.1
(2,661)	1:758:C:ASP:H	1:754:C:ALA:HB1	8	0.1
(2,661)	1:758:C:ASP:H	1:754:C:ALA:HB2	8	0.1
(2,661)	1:758:C:ASP:H	1:754:C:ALA:HB3	8	0.1
(2,648)	1:754:C:ALA:HB1	1:758:C:ASP:H	8	0.1
(2,648)	1:754:C:ALA:HB2	1:758:C:ASP:H	8	0.1
(2,648)	1:754:C:ALA:HB3	1:758:C:ASP:H	8	0.1
(2,640)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	8	0.1
(2,640)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	8	0.1
(2,640)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	8	0.1
(2,640)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	8	0.1
(2,640)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	8	0.1
(2,640)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	8	0.1
(2,613)	1:746:C:ILE:H	1:743:C:ASP:HB2	3	0.1
(2,613)	1:746:C:ILE:H	1:743:C:ASP:HB3	3	0.1
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB2	6	0.1
(2,561)	1:707:C:ARG:H	1:703:C:SER:HB3	6	0.1
(2,544)	1:705:C:VAL:H	1:702:C:LEU:HA	15	0.1
(2,538)	1:704:C:LEU:H	1:704:C:LEU:HB3	9	0.1
(2,533)	1:704:C:LEU:H	1:701:C:VAL:HA	8	0.1
(2,533)	1:704:C:LEU:H	1:701:C:VAL:HA	15	0.1
(2,527)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	12	0.1
(2,527)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	12	0.1
(2,527)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	12	0.1
(2,527)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	12	0.1
(2,527)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	12	0.1
(2,527)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	12	0.1
(2,520)	1:701:C:VAL:HG11	1:698:C:VAL:HA	2	0.1
(2,520)	1:701:C:VAL:HG12	1:698:C:VAL:HA	2	0.1
(2,520)	1:701:C:VAL:HG13	1:698:C:VAL:HA	2	0.1
(2,495)	1:695:C:LEU:HD21	1:698:C:VAL:H	3	0.1
(2,495)	1:695:C:LEU:HD22	1:698:C:VAL:H	3	0.1
(2,495)	1:695:C:LEU:HD23	1:698:C:VAL:H	3	0.1
(2,471)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.1
(2,471)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.1
(2,471)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.1
(2,471)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.1
(2,471)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.1
(2,471)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.1
(2,448)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.1
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.1
(2,448)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.1
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.1
(2,448)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.1
(2,446)	1:682:C:ILE:HG21	1:679:C:LEU:H	9	0.1
(2,446)	1:682:C:ILE:HG22	1:679:C:LEU:H	9	0.1
(2,446)	1:682:C:ILE:HG23	1:679:C:LEU:H	9	0.1
(2,443)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	6	0.1
(2,443)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	6	0.1
(2,443)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	6	0.1
(2,443)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	6	0.1
(2,443)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	6	0.1
(2,443)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	6	0.1
(2,423)	1:784:C:LEU:HD11	1:787:C:ARG:HD2	9	0.1
(2,423)	1:784:C:LEU:HD11	1:787:C:ARG:HD3	9	0.1
(2,423)	1:784:C:LEU:HD12	1:787:C:ARG:HD2	9	0.1
(2,423)	1:784:C:LEU:HD12	1:787:C:ARG:HD3	9	0.1
(2,423)	1:784:C:LEU:HD13	1:787:C:ARG:HD2	9	0.1
(2,423)	1:784:C:LEU:HD13	1:787:C:ARG:HD3	9	0.1
(2,411)	1:783:C:GLU:H	1:780:C:ARG:HA	1	0.1
(2,400)	1:781:C:ILE:H	1:780:C:ARG:HA	11	0.1
(2,384)	1:778:C:VAL:H	1:777:C:ILE:HA	2	0.1
(2,334)	1:758:C:ASP:H	1:754:C:ALA:HB1	8	0.1
(2,334)	1:758:C:ASP:H	1:754:C:ALA:HB2	8	0.1
(2,334)	1:758:C:ASP:H	1:754:C:ALA:HB3	8	0.1
(2,321)	1:754:C:ALA:HB1	1:758:C:ASP:H	8	0.1
(2,321)	1:754:C:ALA:HB2	1:758:C:ASP:H	8	0.1
(2,321)	1:754:C:ALA:HB3	1:758:C:ASP:H	8	0.1
(2,313)	1:753:C:LEU:HD21	1:750:C:ASN:HB2	8	0.1
(2,313)	1:753:C:LEU:HD21	1:750:C:ASN:HB3	8	0.1
(2,313)	1:753:C:LEU:HD22	1:750:C:ASN:HB2	8	0.1
(2,313)	1:753:C:LEU:HD22	1:750:C:ASN:HB3	8	0.1
(2,313)	1:753:C:LEU:HD23	1:750:C:ASN:HB2	8	0.1
(2,313)	1:753:C:LEU:HD23	1:750:C:ASN:HB3	8	0.1
(2,286)	1:746:C:ILE:H	1:743:C:ASP:HB2	3	0.1
(2,286)	1:746:C:ILE:H	1:743:C:ASP:HB3	3	0.1
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB2	6	0.1
(2,234)	1:707:C:ARG:H	1:703:C:SER:HB3	6	0.1
(2,217)	1:705:C:VAL:H	1:702:C:LEU:HA	15	0.1
(2,211)	1:704:C:LEU:H	1:704:C:LEU:HB3	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,206)	1:704:C:LEU:H	1:701:C:VAL:HA	8	0.1
(2,206)	1:704:C:LEU:H	1:701:C:VAL:HA	15	0.1
(2,200)	1:702:C:LEU:HD21	1:706:C:ASN:HB2	12	0.1
(2,200)	1:702:C:LEU:HD21	1:706:C:ASN:HB3	12	0.1
(2,200)	1:702:C:LEU:HD22	1:706:C:ASN:HB2	12	0.1
(2,200)	1:702:C:LEU:HD22	1:706:C:ASN:HB3	12	0.1
(2,200)	1:702:C:LEU:HD23	1:706:C:ASN:HB2	12	0.1
(2,200)	1:702:C:LEU:HD23	1:706:C:ASN:HB3	12	0.1
(2,193)	1:701:C:VAL:HG11	1:698:C:VAL:HA	2	0.1
(2,193)	1:701:C:VAL:HG12	1:698:C:VAL:HA	2	0.1
(2,193)	1:701:C:VAL:HG13	1:698:C:VAL:HA	2	0.1
(2,168)	1:695:C:LEU:HD21	1:698:C:VAL:H	3	0.1
(2,168)	1:695:C:LEU:HD22	1:698:C:VAL:H	3	0.1
(2,168)	1:695:C:LEU:HD23	1:698:C:VAL:H	3	0.1
(2,144)	1:687:C:ILE:HG21	1:691:C:SER:HG	8	0.1
(2,144)	1:687:C:ILE:HG22	1:691:C:SER:HG	8	0.1
(2,144)	1:687:C:ILE:HG23	1:691:C:SER:HG	8	0.1
(2,144)	1:687:C:ILE:HG21	1:691:C:SER:HG	9	0.1
(2,144)	1:687:C:ILE:HG22	1:691:C:SER:HG	9	0.1
(2,144)	1:687:C:ILE:HG23	1:691:C:SER:HG	9	0.1
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD1	4	0.1
(2,121)	1:682:C:ILE:HG21	1:685:C:PHE:HD2	4	0.1
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD1	4	0.1
(2,121)	1:682:C:ILE:HG22	1:685:C:PHE:HD2	4	0.1
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD1	4	0.1
(2,121)	1:682:C:ILE:HG23	1:685:C:PHE:HD2	4	0.1
(2,119)	1:682:C:ILE:HG21	1:679:C:LEU:H	9	0.1
(2,119)	1:682:C:ILE:HG22	1:679:C:LEU:H	9	0.1
(2,119)	1:682:C:ILE:HG23	1:679:C:LEU:H	9	0.1
(2,116)	1:679:C:LEU:HD11	1:680:C:TRP:HE3	6	0.1
(2,116)	1:679:C:LEU:HD12	1:680:C:TRP:HE3	6	0.1
(2,116)	1:679:C:LEU:HD13	1:680:C:TRP:HE3	6	0.1
(2,116)	1:679:C:LEU:HD21	1:680:C:TRP:HE3	6	0.1
(2,116)	1:679:C:LEU:HD22	1:680:C:TRP:HE3	6	0.1
(2,116)	1:679:C:LEU:HD23	1:680:C:TRP:HE3	6	0.1

10 Dihedral-angle violation analysis

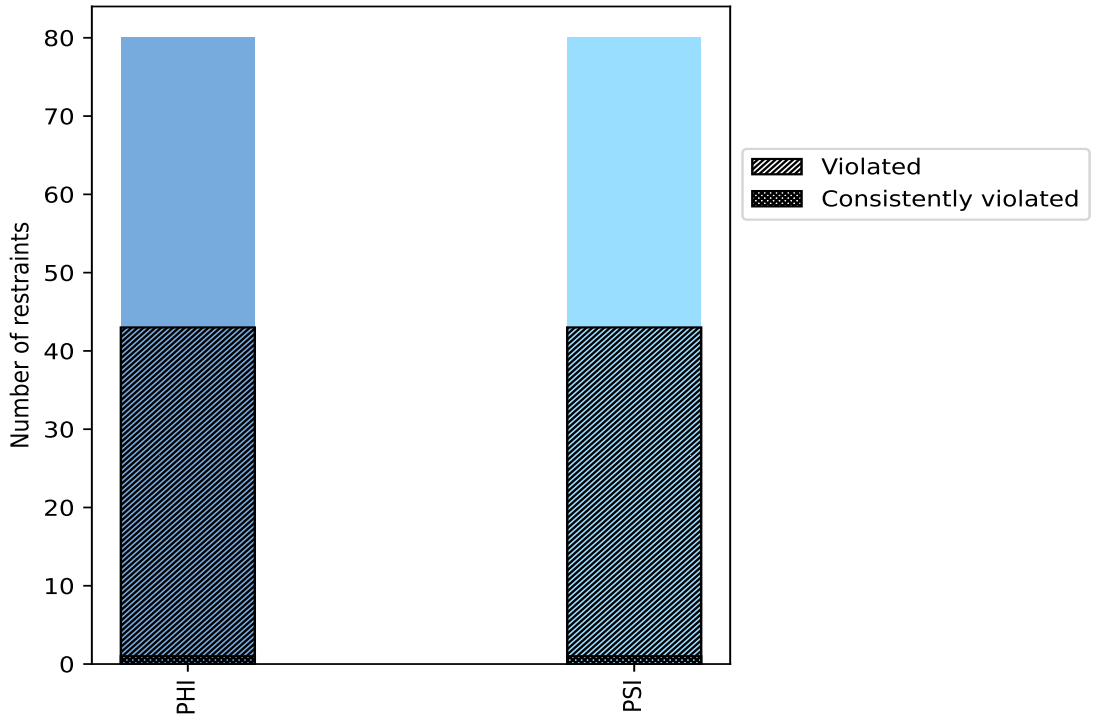
10.1 Summary of dihedral-angle violations

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	80	50.0	43	53.8	26.9	1	1.2	0.6
PSI	80	50.0	43	53.8	26.9	1	1.2	0.6
Total	160	100.0	86	53.8	53.8	2	1.2	1.2

[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



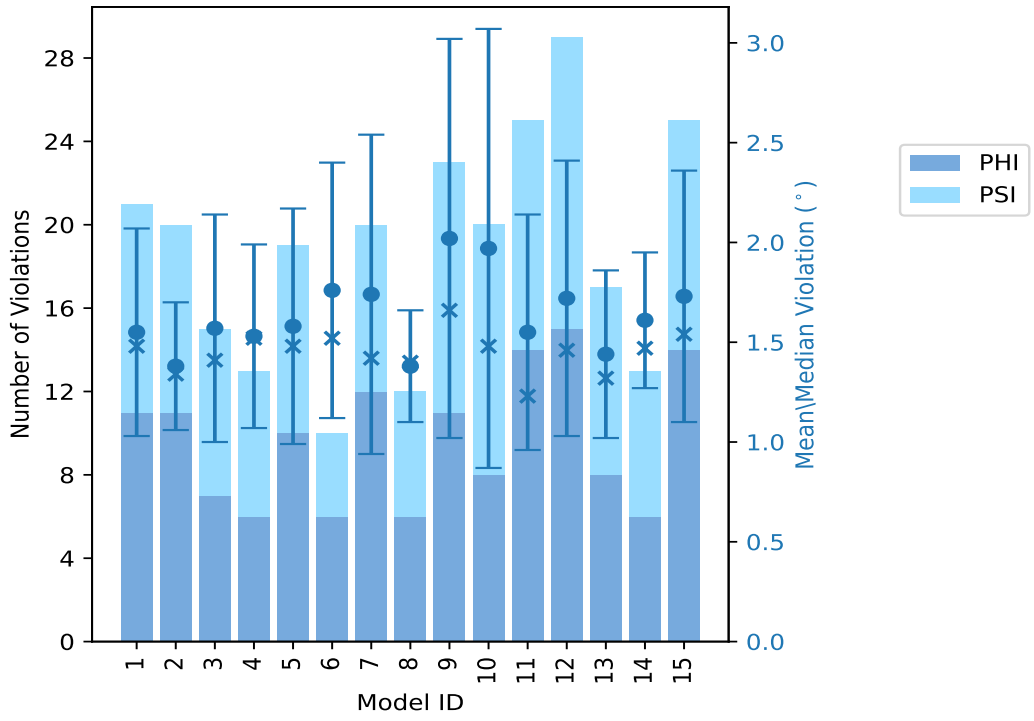
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	11	10	21	1.55	2.93	0.52	1.48
2	11	9	20	1.38	2.14	0.32	1.34
3	7	8	15	1.57	2.82	0.57	1.41
4	6	7	13	1.53	2.66	0.46	1.52
5	10	9	19	1.58	3.19	0.59	1.48
6	6	4	10	1.76	2.98	0.64	1.52
7	12	8	20	1.74	3.76	0.8	1.42
8	6	6	12	1.38	1.75	0.28	1.4
9	11	12	23	2.02	4.87	1.0	1.66
10	8	12	20	1.97	4.84	1.1	1.48
11	14	11	25	1.55	3.0	0.59	1.23
12	15	14	29	1.72	3.45	0.69	1.46
13	8	9	17	1.44	2.64	0.42	1.32
14	6	7	13	1.61	2.26	0.34	1.47
15	14	11	25	1.73	3.41	0.63	1.54

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

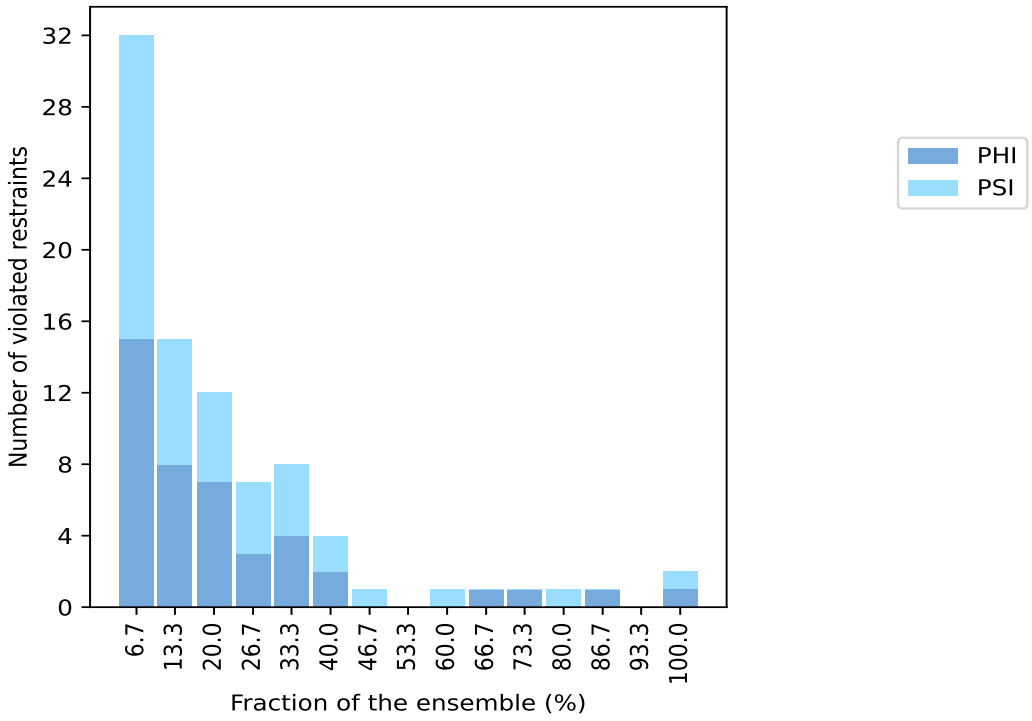
10.3 Dihedral-angle violation statistics for the ensemble (i)

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	17	32	1	6.7
8	7	15	2	13.3
7	5	12	3	20.0
3	4	7	4	26.7
4	4	8	5	33.3
2	2	4	6	40.0
0	1	1	7	46.7
0	0	0	8	53.3
0	1	1	9	60.0
1	0	1	10	66.7
1	0	1	11	73.3
0	1	1	12	80.0
1	0	1	13	86.7
0	0	0	14	93.3
1	1	2	15	100.0

[1] Number of models with violations

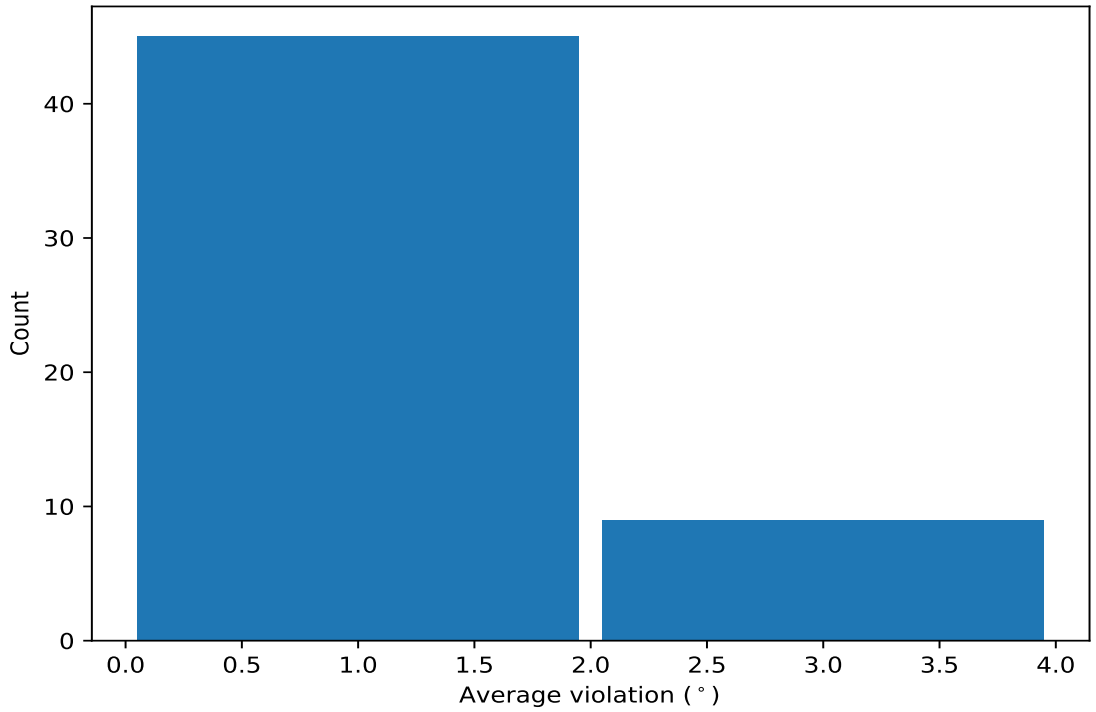
10.3.1 Bar graph : Dihedral-angle Violation statistics for the ensemble



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
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	15	2.18	0.77	2.06
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	15	1.97	0.82	1.9
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	13	2.29	0.71	2.59
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	12	2.55	0.64	2.8
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	11	1.46	0.43	1.28
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	10	1.59	0.39	1.61
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	9	1.21	0.19	1.11
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	7	1.36	0.41	1.27
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	6	2.36	1.23	1.86
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	6	1.48	0.37	1.45
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	6	1.33	0.17	1.32
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	6	1.22	0.2	1.16
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	5	1.54	0.55	1.48
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	5	1.52	0.37	1.39
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	5	1.51	0.2	1.51
(1,130)	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	1:772:C:ARG:N	5	1.45	0.43	1.15
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	5	1.4	0.27	1.32
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	5	1.39	0.27	1.57
(1,96)	1:749:C:VAL:N	1:749:C:VAL:CA	1:749:C:VAL:C	1:750:C:ASN:N	5	1.24	0.15	1.21
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	5	1.16	0.1	1.14
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	4	2.58	1.3	2.18

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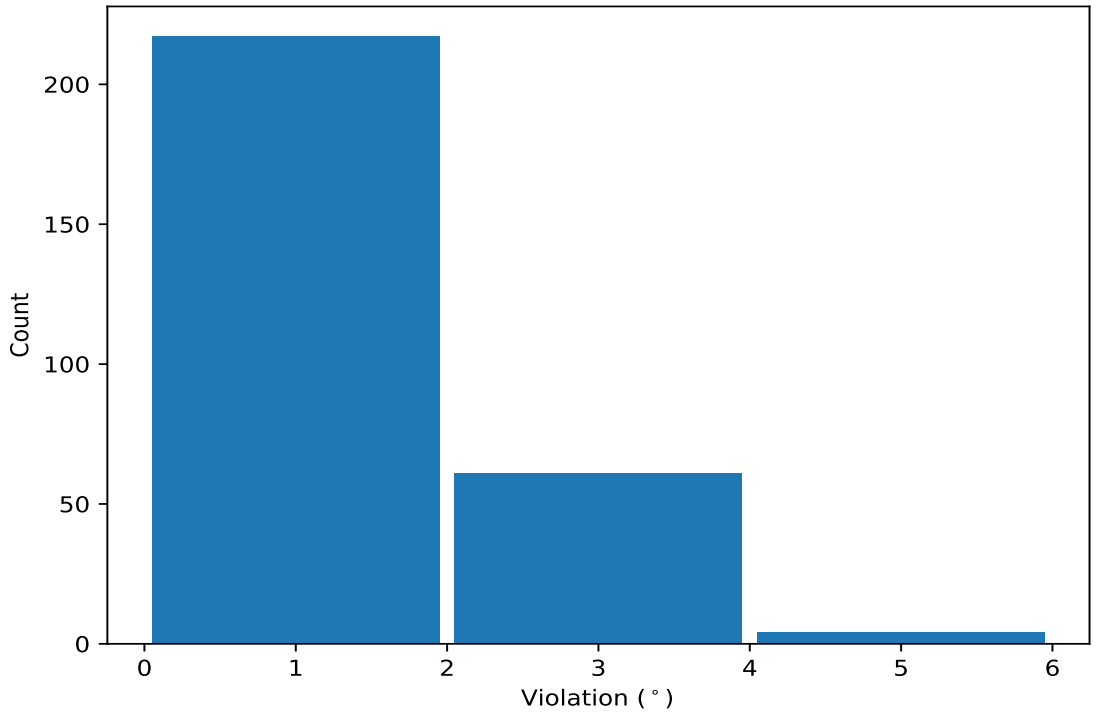
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	4	2.05	0.81	1.64
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	4	2.03	0.79	2.05
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	4	1.78	0.57	1.82
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	4	1.78	0.57	1.76
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	4	1.45	0.2	1.48
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	4	1.22	0.15	1.19
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	3	1.95	0.86	1.53
(1,58)	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	1:708:C:VAL:N	3	1.76	0.58	1.81
(1,145)	1:778:C:VAL:C	1:779:C:THR:N	1:779:C:THR:CA	1:779:C:THR:C	3	1.66	0.34	1.73
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	3	1.45	0.39	1.21
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	3	1.36	0.24	1.46
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	3	1.35	0.24	1.49
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	3	1.28	0.17	1.39
(1,113)	1:757:C:TRP:C	1:758:C:ASP:N	1:758:C:ASP:CA	1:758:C:ASP:C	3	1.27	0.17	1.31
(1,144)	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	1:779:C:THR:N	3	1.26	0.15	1.2
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	3	1.2	0.05	1.21
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	3	1.16	0.1	1.21
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	3	1.12	0.04	1.1
(1,62)	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	1:710:C:GLN:N	2	2.5	0.35	2.5
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	2	2.2	0.24	2.2
(1,55)	1:705:C:VAL:C	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	2	1.74	0.38	1.74
(1,122)	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	1:763:C:LEU:N	2	1.62	0.58	1.62
(1,149)	1:780:C:ARG:C	1:781:C:ILE:N	1:781:C:ILE:CA	1:781:C:ILE:C	2	1.61	0.48	1.61
(1,117)	1:759:C:ASP:C	1:760:C:LEU:N	1:760:C:LEU:CA	1:760:C:LEU:C	2	1.56	0.17	1.56
(1,152)	1:782:C:VAL:N	1:782:C:VAL:CA	1:782:C:VAL:C	1:783:C:GLU:N	2	1.42	0.02	1.42
(1,91)	1:746:C:ILE:C	1:747:C:ARG:N	1:747:C:ARG:CA	1:747:C:ARG:C	2	1.27	0.2	1.27
(1,16)	1:686:C:ILE:N	1:686:C:ILE:CA	1:686:C:ILE:C	1:687:C:ILE:N	2	1.26	0.21	1.26
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	2	1.25	0.02	1.25
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	2	1.22	0.06	1.22
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	2	1.19	0.07	1.19
(1,115)	1:758:C:ASP:C	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	2	1.13	0.01	1.13
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	2	1.08	0.06	1.08
(1,68)	1:715:C:LEU:N	1:715:C:LEU:CA	1:715:C:LEU:C	1:716:C:SER:N	2	1.07	0.06	1.07

[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 (i)

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

Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	9	4.87
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	10	4.84
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	10	4.65
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	9	4.62
(1,109)	1:755:C:LEU:C	1:756:C:ILE:N	1:756:C:ILE:CA	1:756:C:ILE:C	7	3.76
(1,108)	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	1:756:C:ILE:N	7	3.74
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	12	3.45
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	15	3.41
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	12	3.22
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	15	3.19
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	5	3.19
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	5	3.16
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	9	3.14
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	11	3.0
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	6	2.98
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	12	2.96
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	1	2.93
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	11	2.91
(1,62)	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	1:710:C:GLN:N	9	2.85
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	3	2.82
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	10	2.79

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	3	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	2.68
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	4	2.66
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	13	2.64
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1	2.6
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	6	2.59
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	12	2.58
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	9	2.54
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	11	2.5
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	7	2.47
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	7	2.45
(1,58)	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	1:708:C:VAL:N	11	2.44
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	10	2.43
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	10	2.41
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	1	2.39
(1,118)	1:760:C:LEU:N	1:760:C:LEU:CA	1:760:C:LEU:C	1:761:C:ARG:N	15	2.36
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	12	2.34
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	11	2.31
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	10	2.3
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	15	2.29
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	9	2.28
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	14	2.26
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	12	2.25
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	12	2.25
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	15	2.22
(1,130)	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	1:772:C:ARG:N	10	2.2
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	6	2.2
(1,122)	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	1:763:C:LEU:N	15	2.2
(1,62)	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	1:710:C:GLN:N	3	2.15
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	2	2.14
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	6	2.12
(1,55)	1:705:C:VAL:C	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	7	2.12
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	13	2.1
(1,149)	1:780:C:ARG:C	1:781:C:ILE:N	1:781:C:ILE:CA	1:781:C:ILE:C	12	2.09
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	14	2.07
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	2	2.06
(1,142)	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	1:778:C:VAL:N	15	2.05
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	15	2.05
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	4	2.05
(1,145)	1:778:C:VAL:C	1:779:C:THR:N	1:779:C:THR:CA	1:779:C:THR:C	12	2.04
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	9	2.04
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	7	2.01
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	12	2.01
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	15	2.0
(1,99)	1:750:C:ASN:C	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	7	1.98
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	9	1.97
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	4	1.96
(1,39)	1:697:C:ILE:C	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	9	1.96
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1	1.95
(1,119)	1:760:C:LEU:C	1:761:C:ARG:N	1:761:C:ARG:CA	1:761:C:ARG:C	15	1.93
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	13	1.91

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	9	1.91
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	14	1.9
(1,148)	1:780:C:ARG:N	1:780:C:ARG:CA	1:780:C:ARG:C	1:781:C:ILE:N	12	1.89
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	11	1.88
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	14	1.87
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	5	1.83
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	10	1.83
(1,58)	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	1:708:C:VAL:N	12	1.81
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	12	1.8
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	14	1.78
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	9	1.78
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	4	1.76
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	8	1.75
(1,145)	1:778:C:VAL:C	1:779:C:THR:N	1:779:C:THR:CA	1:779:C:THR:C	1	1.73
(1,117)	1:759:C:ASP:C	1:760:C:LEU:N	1:760:C:LEU:CA	1:760:C:LEU:C	15	1.73
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	3	1.71
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	2	1.71
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	2	1.69
(1,130)	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	1:772:C:ARG:N	14	1.68
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	11	1.67
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	8	1.66
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	9	1.66
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	9	1.66
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	1	1.66
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	13	1.65
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	5	1.64
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	8	1.64
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	8	1.63
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	4	1.63
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	8	1.63
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	9	1.63
(1,105)	1:753:C:LEU:C	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	7	1.62
(1,98)	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	1:751:C:GLY:N	7	1.61
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	1	1.61
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	3	1.61
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	11	1.6
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	9	1.6
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	2	1.6
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	5	1.6
(1,28)	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	1:693:C:ILE:N	5	1.6
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	5	1.58
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	15	1.58
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	6	1.58
(1,44)	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	1:701:C:VAL:N	5	1.57
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	13	1.57
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	8	1.55
(1,129)	1:770:C:ARG:C	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	1	1.54
(1,78)	1:740:C:ARG:N	1:740:C:ARG:CA	1:740:C:ARG:C	1:741:C:ASP:N	1	1.54
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	15	1.54
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	4	1.53
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	9	1.53

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	5	1.53
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	10	1.52
(1,36)	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1:697:C:ILE:N	4	1.52
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	12	1.51
(1,42)	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	1:700:C:ALA:N	2	1.5
(1,140)	1:776:C:LEU:N	1:776:C:LEU:CA	1:776:C:LEU:C	1:777:C:ILE:N	11	1.49
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	1	1.49
(1,45)	1:700:C:ALA:C	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	5	1.48
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	1	1.48
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	11	1.47
(1,116)	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	1:760:C:LEU:N	14	1.47
(1,91)	1:746:C:ILE:C	1:747:C:ARG:N	1:747:C:ARG:CA	1:747:C:ARG:C	9	1.47
(1,16)	1:686:C:ILE:N	1:686:C:ILE:CA	1:686:C:ILE:C	1:687:C:ILE:N	3	1.47
(1,144)	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	1:779:C:THR:N	12	1.46
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	3	1.46
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	14	1.46
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	1	1.45
(1,113)	1:757:C:TRP:C	1:758:C:ASP:N	1:758:C:ASP:CA	1:758:C:ASP:C	15	1.45
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	6	1.45
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	1	1.45
(1,154)	1:783:C:GLU:N	1:783:C:GLU:CA	1:783:C:GLU:C	1:784:C:LEU:N	7	1.44
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	10	1.44
(1,152)	1:782:C:VAL:N	1:782:C:VAL:CA	1:782:C:VAL:C	1:783:C:GLU:N	15	1.43
(1,96)	1:749:C:VAL:N	1:749:C:VAL:CA	1:749:C:VAL:C	1:750:C:ASN:N	2	1.42
(1,96)	1:749:C:VAL:N	1:749:C:VAL:CA	1:749:C:VAL:C	1:750:C:ASN:N	14	1.41
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	2	1.41
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	3	1.41
(1,152)	1:782:C:VAL:N	1:782:C:VAL:CA	1:782:C:VAL:C	1:783:C:GLU:N	13	1.4
(1,117)	1:759:C:ASP:C	1:760:C:LEU:N	1:760:C:LEU:CA	1:760:C:LEU:C	14	1.39
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	2	1.39
(1,100)	1:751:C:GLY:N	1:751:C:GLY:CA	1:751:C:GLY:C	1:752:C:SER:N	7	1.39
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	12	1.39
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	13	1.39
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	12	1.37
(1,55)	1:705:C:VAL:C	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	2	1.37
(1,17)	1:686:C:ILE:C	1:687:C:ILE:N	1:687:C:ILE:CA	1:687:C:ILE:C	3	1.36
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	12	1.35
(1,63)	1:709:C:ARG:C	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	5	1.34
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	11	1.34
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	13	1.33
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	5	1.33
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	3	1.32
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	14	1.32
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	13	1.32
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	10	1.32
(1,113)	1:757:C:TRP:C	1:758:C:ASP:N	1:758:C:ASP:CA	1:758:C:ASP:C	2	1.31
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	15	1.3
(1,29)	1:692:C:LEU:C	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	7	1.3
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	2	1.28
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	3	1.28
(1,60)	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	1:709:C:ARG:N	15	1.28

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	13	1.27
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	5	1.27
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	9	1.27
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	13	1.27
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	5	1.27
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	7	1.26
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	8	1.25
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	6	1.25
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	8	1.25
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	10	1.25
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	2	1.25
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	12	1.24
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	9	1.24
(1,30)	1:693:C:ILE:N	1:693:C:ILE:CA	1:693:C:ILE:C	1:694:C:GLY:N	9	1.24
(1,137)	1:774:C:LEU:C	1:775:C:LEU:N	1:775:C:LEU:CA	1:775:C:LEU:C	11	1.23
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	11	1.23
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	13	1.23
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	4	1.23
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	11	1.22
(1,145)	1:778:C:VAL:C	1:779:C:THR:N	1:779:C:THR:CA	1:779:C:THR:C	11	1.21
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	7	1.21
(1,96)	1:749:C:VAL:N	1:749:C:VAL:CA	1:749:C:VAL:C	1:750:C:ASN:N	10	1.21
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	15	1.21
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	11	1.21
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	12	1.21
(1,144)	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	1:779:C:THR:N	15	1.2
(1,48)	1:702:C:LEU:N	1:702:C:LEU:CA	1:702:C:LEU:C	1:703:C:SER:N	5	1.2
(1,46)	1:701:C:VAL:N	1:701:C:VAL:CA	1:701:C:VAL:C	1:702:C:LEU:N	4	1.2
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	11	1.2
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	6	1.2
(1,56)	1:706:C:ASN:N	1:706:C:ASN:CA	1:706:C:ASN:C	1:707:C:ARG:N	5	1.19
(1,128)	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	1:771:C:LEU:N	5	1.18
(1,64)	1:710:C:GLN:N	1:710:C:GLN:CA	1:710:C:GLN:C	1:711:C:GLY:N	14	1.18
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	4	1.17
(1,34)	1:695:C:LEU:N	1:695:C:LEU:CA	1:695:C:LEU:C	1:696:C:ARG:N	1	1.17
(1,135)	1:773:C:ASP:C	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	13	1.16
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	2	1.16
(1,153)	1:782:C:VAL:C	1:783:C:GLU:N	1:783:C:GLU:CA	1:783:C:GLU:C	15	1.15
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	7	1.15
(1,130)	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	1:772:C:ARG:N	1	1.15
(1,79)	1:740:C:ARG:C	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1	1.15
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	10	1.15
(1,149)	1:780:C:ARG:C	1:781:C:ILE:N	1:781:C:ILE:CA	1:781:C:ILE:C	15	1.14
(1,115)	1:758:C:ASP:C	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	15	1.14
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	11	1.14
(1,43)	1:699:C:PHE:C	1:700:C:ALA:N	1:700:C:ALA:CA	1:700:C:ALA:C	2	1.14
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	10	1.14
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	11	1.14
(1,143)	1:777:C:ILE:C	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	15	1.13
(1,68)	1:715:C:LEU:N	1:715:C:LEU:CA	1:715:C:LEU:C	1:716:C:SER:N	12	1.13
(1,26)	1:691:C:SER:N	1:691:C:SER:CA	1:691:C:SER:C	1:692:C:LEU:N	6	1.13

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	11	1.13
(1,7)	1:681:C:TYR:C	1:682:C:ILE:N	1:682:C:ILE:CA	1:682:C:ILE:C	7	1.13
(1,115)	1:758:C:ASP:C	1:759:C:ASP:N	1:759:C:ASP:CA	1:759:C:ASP:C	14	1.12
(1,61)	1:708:C:VAL:C	1:709:C:ARG:N	1:709:C:ARG:CA	1:709:C:ARG:C	15	1.12
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	7	1.12
(1,144)	1:778:C:VAL:N	1:778:C:VAL:CA	1:778:C:VAL:C	1:779:C:THR:N	9	1.11
(1,131)	1:771:C:LEU:C	1:772:C:ARG:N	1:772:C:ARG:CA	1:772:C:ARG:C	1	1.11
(1,130)	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	1:772:C:ARG:N	11	1.11
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	12	1.11
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	11	1.11
(1,130)	1:771:C:LEU:N	1:771:C:LEU:CA	1:771:C:LEU:C	1:772:C:ARG:N	13	1.1
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	15	1.1
(1,5)	1:680:C:TRP:C	1:681:C:TYR:N	1:681:C:TYR:CA	1:681:C:TYR:C	11	1.1
(1,127)	1:769:C:HIS:C	1:770:C:ARG:N	1:770:C:ARG:CA	1:770:C:ARG:C	2	1.09
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	8	1.09
(1,96)	1:749:C:VAL:N	1:749:C:VAL:CA	1:749:C:VAL:C	1:750:C:ASN:N	4	1.09
(1,54)	1:705:C:VAL:N	1:705:C:VAL:CA	1:705:C:VAL:C	1:706:C:ASN:N	12	1.09
(1,38)	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	1:698:C:VAL:N	1	1.09
(1,37)	1:696:C:ARG:C	1:697:C:ILE:N	1:697:C:ILE:CA	1:697:C:ILE:C	4	1.09
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	13	1.09
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	2	1.08
(1,80)	1:741:C:ASP:N	1:741:C:ASP:CA	1:741:C:ASP:C	1:742:C:ARG:N	10	1.08
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	7	1.07
(1,91)	1:746:C:ILE:C	1:747:C:ARG:N	1:747:C:ARG:CA	1:747:C:ARG:C	12	1.07
(1,22)	1:689:C:VAL:N	1:689:C:VAL:CA	1:689:C:VAL:C	1:690:C:GLY:N	13	1.07
(1,125)	1:763:C:LEU:C	1:764:C:SER:N	1:764:C:SER:CA	1:764:C:SER:C	1	1.06
(1,107)	1:754:C:ALA:C	1:755:C:LEU:N	1:755:C:LEU:CA	1:755:C:LEU:C	12	1.06
(1,96)	1:749:C:VAL:N	1:749:C:VAL:CA	1:749:C:VAL:C	1:750:C:ASN:N	9	1.06
(1,41)	1:698:C:VAL:C	1:699:C:PHE:N	1:699:C:PHE:CA	1:699:C:PHE:C	2	1.06
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	11	1.06
(1,1)	1:678:C:TRP:C	1:679:C:LEU:N	1:679:C:LEU:CA	1:679:C:LEU:C	3	1.06
(1,113)	1:757:C:TRP:C	1:758:C:ASP:N	1:758:C:ASP:CA	1:758:C:ASP:C	12	1.05
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	6	1.05
(1,16)	1:686:C:ILE:N	1:686:C:ILE:CA	1:686:C:ILE:C	1:687:C:ILE:N	10	1.05
(1,12)	1:684:C:ILE:N	1:684:C:ILE:CA	1:684:C:ILE:C	1:685:C:PHE:N	8	1.05
(1,122)	1:762:C:SER:N	1:762:C:SER:CA	1:762:C:SER:C	1:763:C:LEU:N	1	1.04
(1,57)	1:706:C:ASN:C	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	7	1.04
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	8	1.03
(1,123)	1:762:C:SER:C	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	8	1.03
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	3	1.03
(1,58)	1:707:C:ARG:N	1:707:C:ARG:CA	1:707:C:ARG:C	1:708:C:VAL:N	10	1.03
(1,35)	1:695:C:LEU:C	1:696:C:ARG:N	1:696:C:ARG:CA	1:696:C:ARG:C	12	1.03
(1,141)	1:776:C:LEU:C	1:777:C:ILE:N	1:777:C:ILE:CA	1:777:C:ILE:C	11	1.02
(1,134)	1:773:C:ASP:N	1:773:C:ASP:CA	1:773:C:ASP:C	1:774:C:LEU:N	2	1.02
(1,124)	1:763:C:LEU:N	1:763:C:LEU:CA	1:763:C:LEU:C	1:764:C:SER:N	3	1.02
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	1	1.02
(1,97)	1:749:C:VAL:C	1:750:C:ASN:N	1:750:C:ASN:CA	1:750:C:ASN:C	5	1.02
(1,81)	1:741:C:ASP:C	1:742:C:ARG:N	1:742:C:ARG:CA	1:742:C:ARG:C	4	1.02
(1,59)	1:707:C:ARG:C	1:708:C:VAL:N	1:708:C:VAL:CA	1:708:C:VAL:C	9	1.02
(1,136)	1:774:C:LEU:N	1:774:C:LEU:CA	1:774:C:LEU:C	1:775:C:LEU:N	3	1.01
(1,68)	1:715:C:LEU:N	1:715:C:LEU:CA	1:715:C:LEU:C	1:716:C:SER:N	10	1.01

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,49)	1:702:C:LEU:C	1:703:C:SER:N	1:703:C:SER:CA	1:703:C:SER:C	13	1.01
(1,40)	1:698:C:VAL:N	1:698:C:VAL:CA	1:698:C:VAL:C	1:699:C:PHE:N	2	1.01
(1,13)	1:684:C:ILE:C	1:685:C:PHE:N	1:685:C:PHE:CA	1:685:C:PHE:C	5	1.01
(1,10)	1:683:C:ARG:N	1:683:C:ARG:CA	1:683:C:ARG:C	1:684:C:ILE:N	12	1.01
(1,106)	1:754:C:ALA:N	1:754:C:ALA:CA	1:754:C:ALA:C	1:755:C:LEU:N	12	1.0
(1,27)	1:691:C:SER:C	1:692:C:LEU:N	1:692:C:LEU:CA	1:692:C:LEU:C	7	1.0