Full wwPDB NMR Structure Validation Report (i)

Mar 8, 2026 – 10:31 PM UTC

PDB ID	:	2M55 / pdb_00002m55
BMRB ID	:	19036
Title	:	NMR structure of the complex of an N-terminally acetylated alpha-synuclein peptide with calmodulin
Authors	:	Gruschus, J.M.; Yap, T.; Pistolesi, S.; Maltsev, A.S.; Lee, J.C.
Deposited on	:	2013-02-13

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

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

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

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

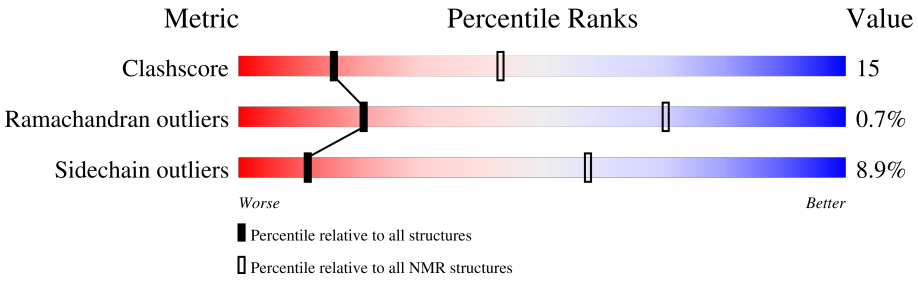
MolProbity	:	4-5-2 with Phenix2.0
Mogul	:	2022.3.0, CSD as543be (2022)
Percentile statistics	:	20250101.v01 (using entries in the PDB archive January 1st 2025)
wwPDB-RCI	:	v_1n_11_5_13_A (Berjanski et al., 2005)
PANAV	:	Wang et al. (2010)
wwPDB-ShiftChecker	:	v1.2
BMRB Restraints Analysis	:	v1.2
Ideal 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 38%.

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	148	70% 24% • 5%
2	B	21	100%

2 Ensemble composition and analysis

This entry contains 20 models. Model 12 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:4-A:144 (141)	0.75	12

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

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

NmrClust was unable to cluster the ensemble.

Error message: Inconsistent models

3 Entry composition (i)

There are 3 unique types of molecules in this entry. The entry contains 2552 atoms, of which 1244 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Calmodulin.

Mol	Chain	Residues	Atoms						Trace
1	A	148	Total	C	H	N	O	S	0
			2260	714	1094	188	255	9	

- Molecule 2 is a protein called Alpha-synuclein.

Mol	Chain	Residues	Atoms						Trace
2	B	21	Total	C	H	N	O	S	1
			288	88	150	23	25	2	

There are 2 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
B	200	ACE	-	acetylation	UNP P37840
B	220	NH2	-	amidation	UNP P37840

- Molecule 3 is CALCIUM ION (CCD ID: CA) (formula: Ca).

Mol	Chain	Residues	Atoms	
3	A	4	Total	Ca
			4	4

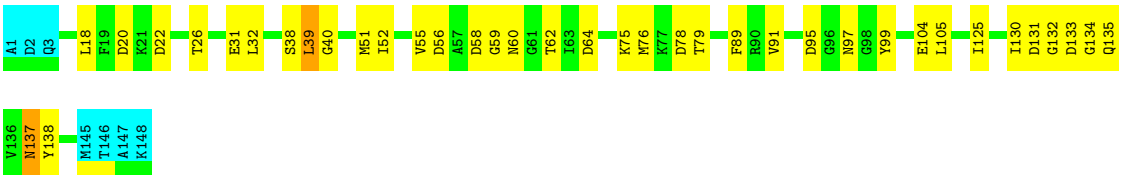
4 Residue-property plots (i)

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.

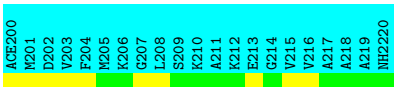
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

Chain B:



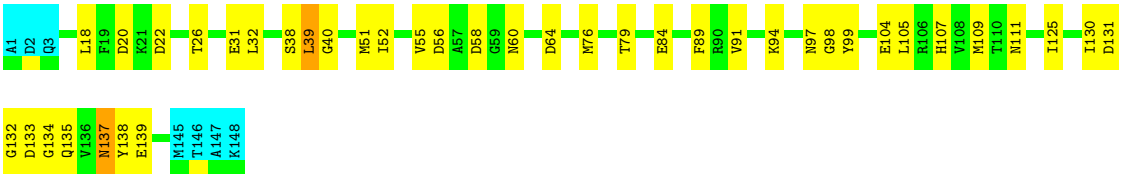
4.2 Scores per residue for each member of the ensemble

Colouring as in section 4.1 above.

4.2.1 Score per residue for model 1

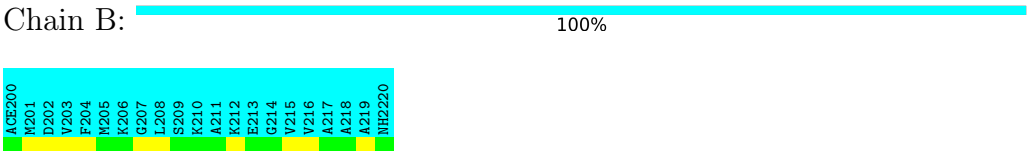
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

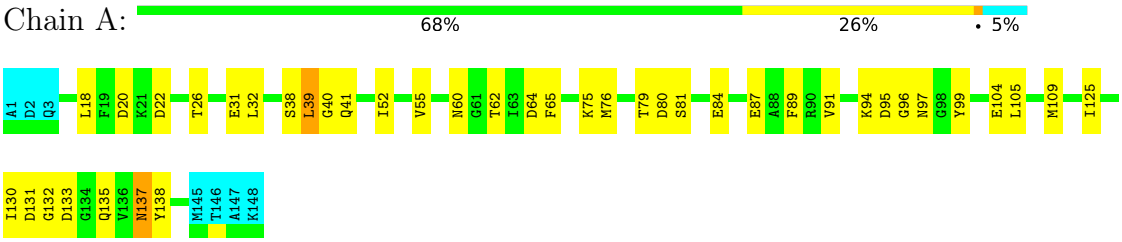
Chain B:



4.2.2 Score per residue for model 2

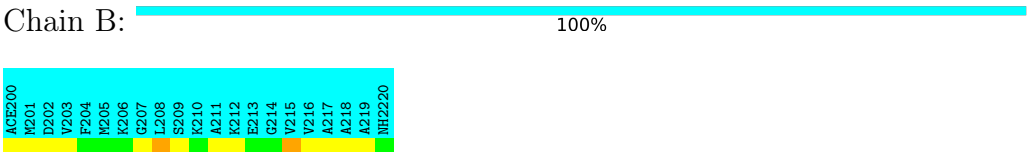
- Molecule 1: Calmodulin

Chain A:



- Molecule 2: Alpha-synuclein

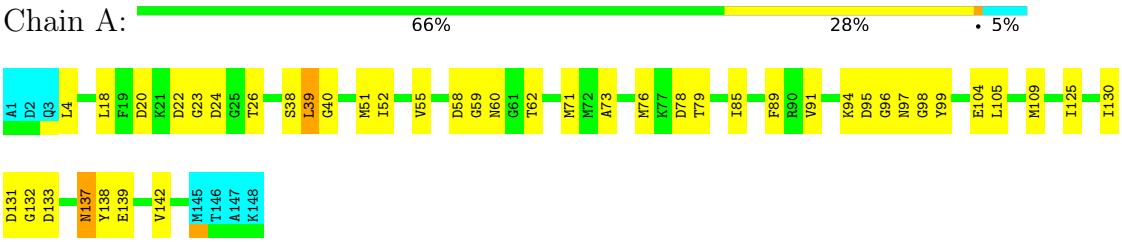
Chain B:



4.2.3 Score per residue for model 3

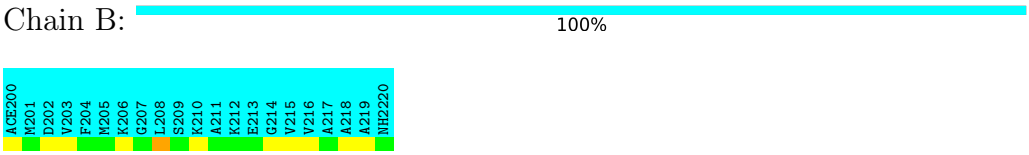
- Molecule 1: Calmodulin

Chain A:



- Molecule 2: Alpha-synuclein

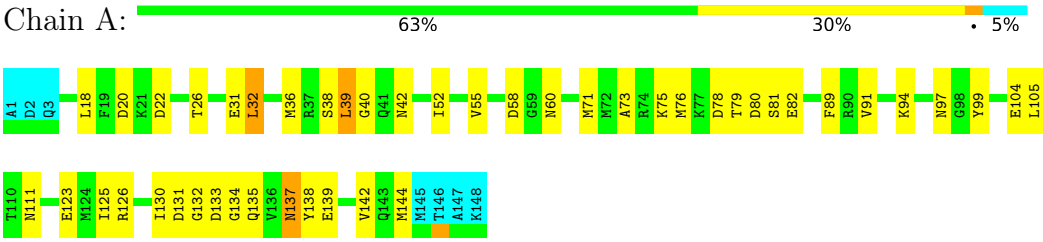
Chain B:



4.2.4 Score per residue for model 4

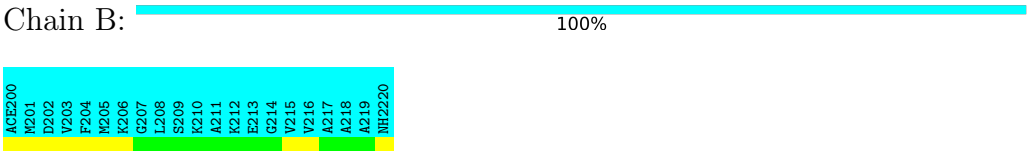
- Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

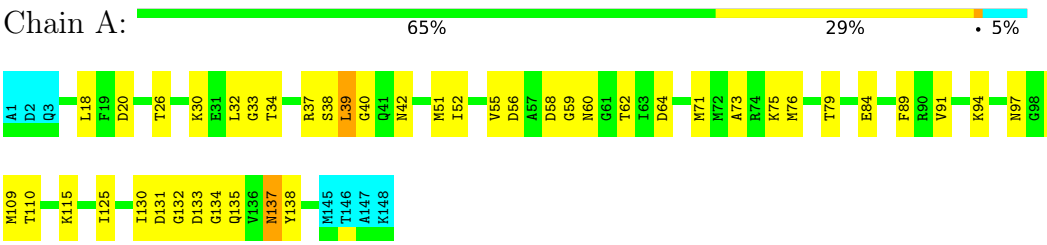
Chain B:



4.2.5 Score per residue for model 5

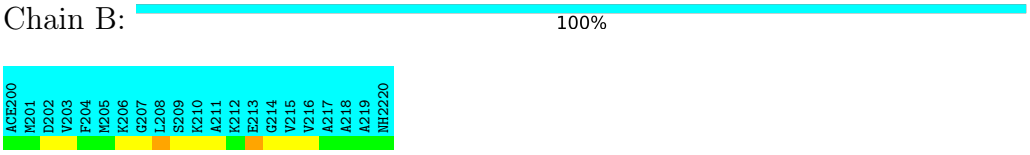
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

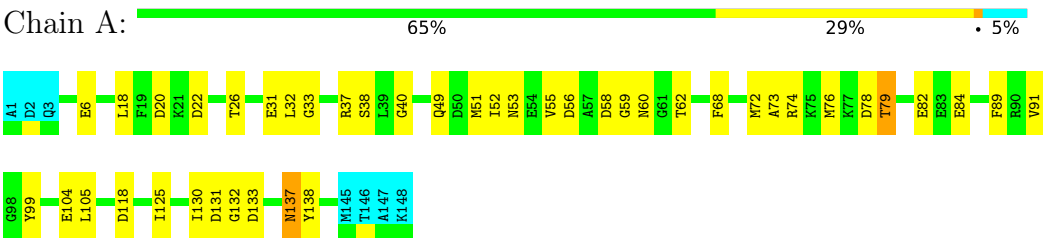
Chain B:



4.2.6 Score per residue for model 6

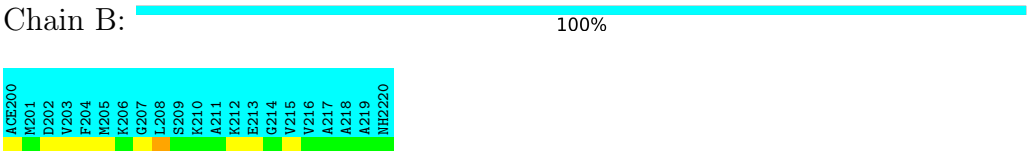
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

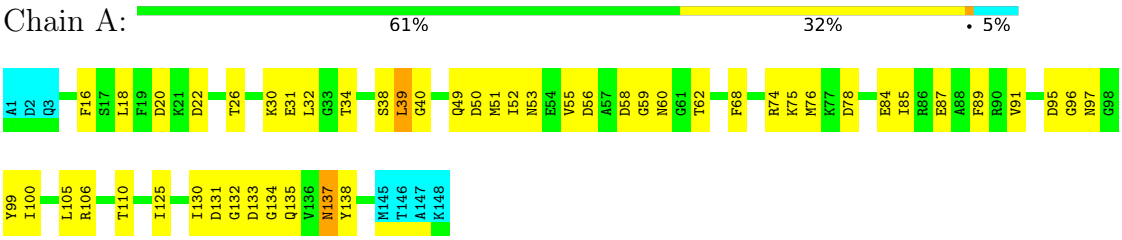
Chain B:



4.2.7 Score per residue for model 7

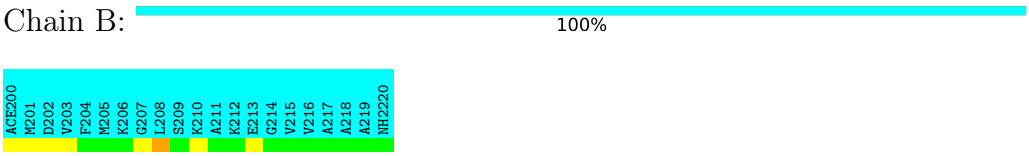
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

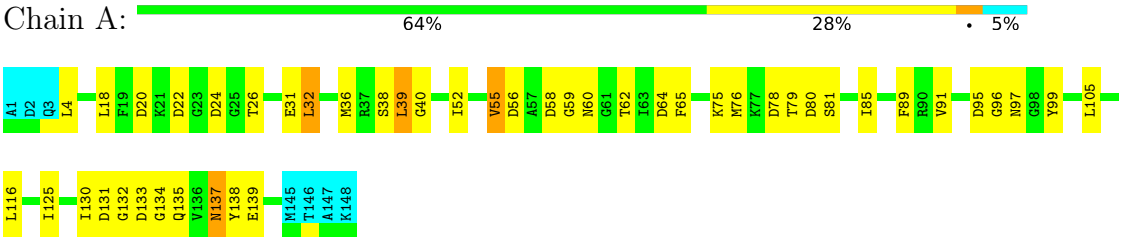
Chain B:



4.2.8 Score per residue for model 8

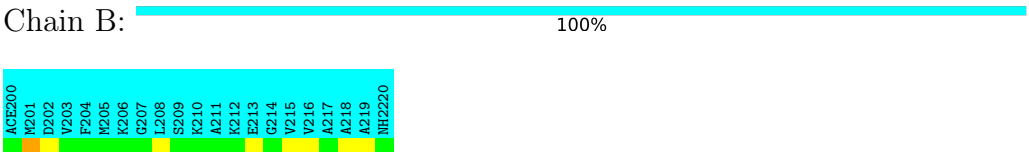
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

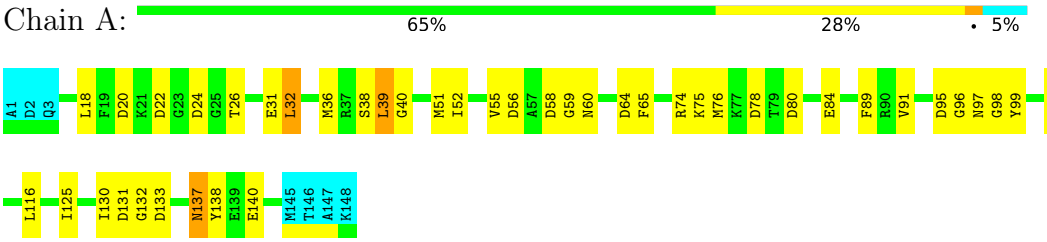
Chain B:



4.2.9 Score per residue for model 9

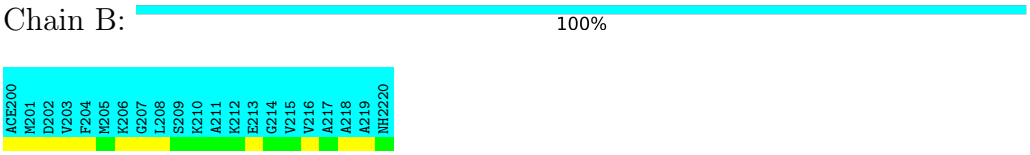
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

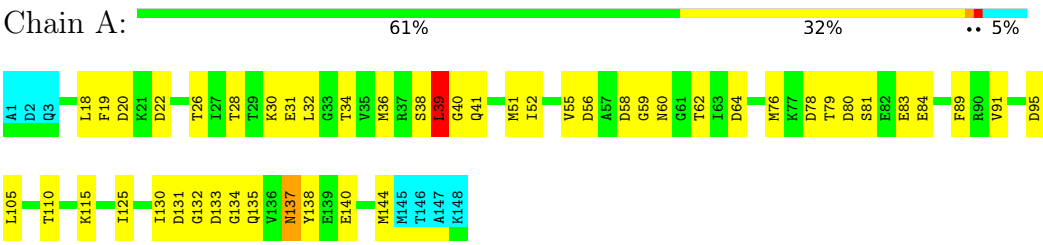
Chain B:



4.2.10 Score per residue for model 10

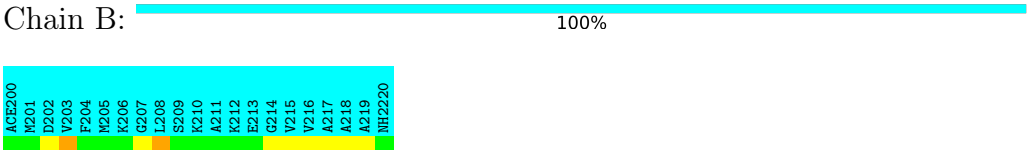
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

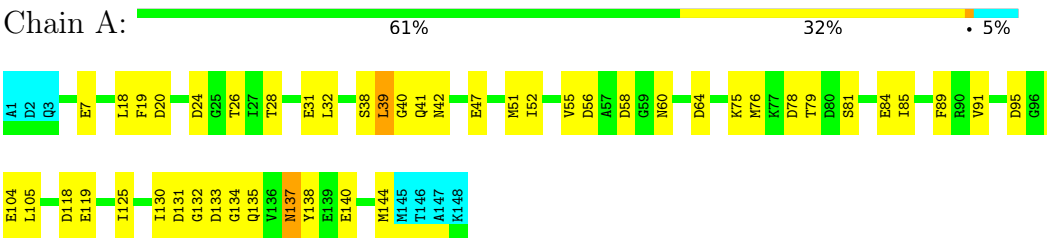
Chain B:



4.2.11 Score per residue for model 11

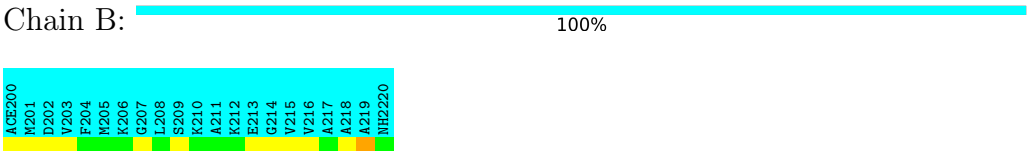
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

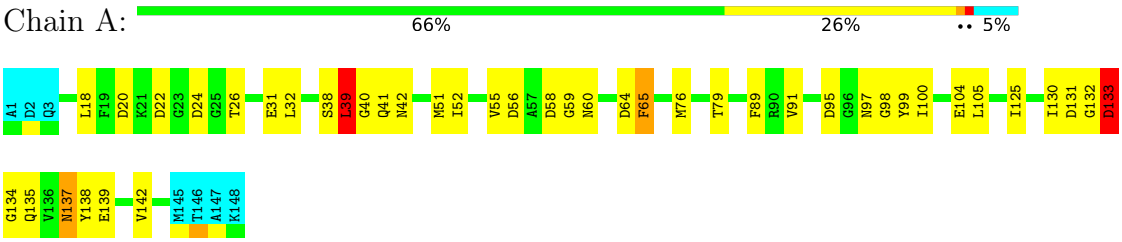
Chain B:



4.2.12 Score per residue for model 12 (medoid)

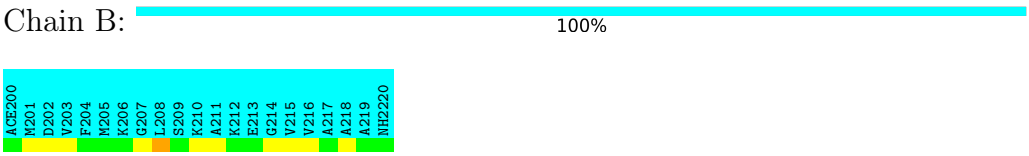
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

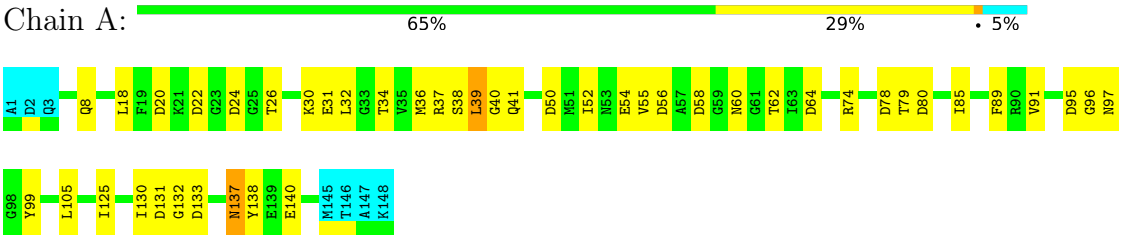
Chain B:



4.2.13 Score per residue for model 13

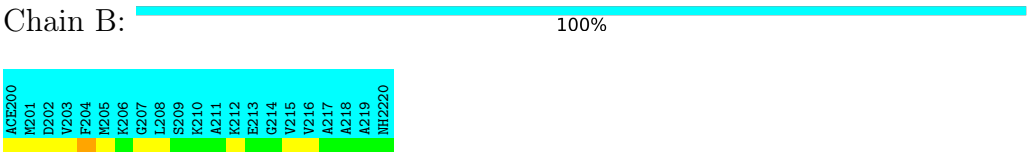
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

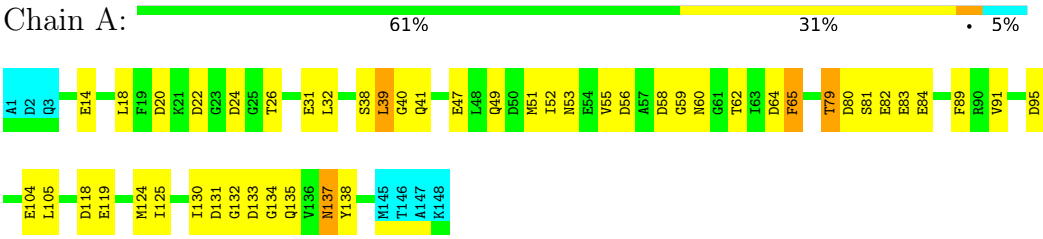
Chain B:



4.2.14 Score per residue for model 14

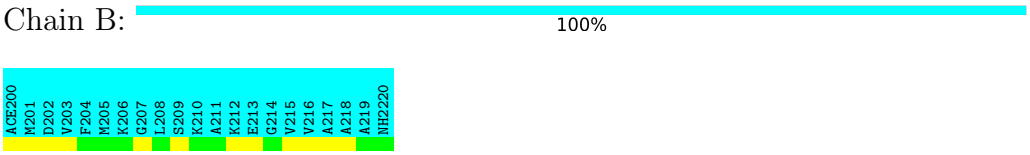
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

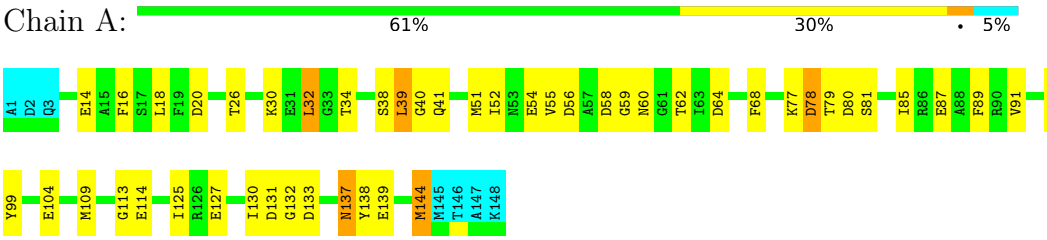
Chain B:



4.2.15 Score per residue for model 15

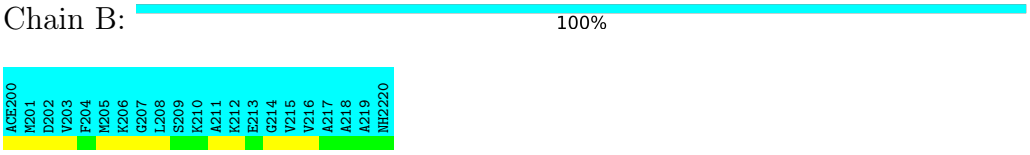
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

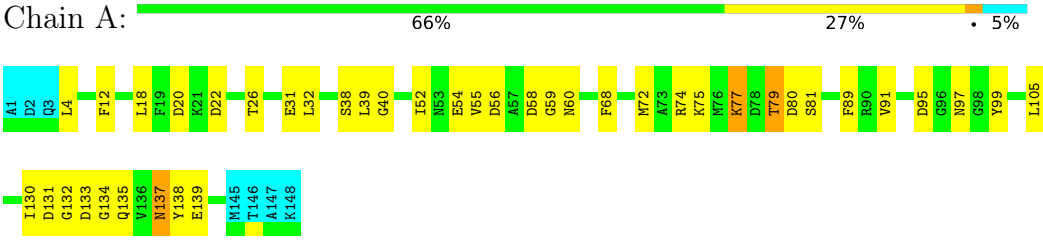
Chain B:



4.2.16 Score per residue for model 16

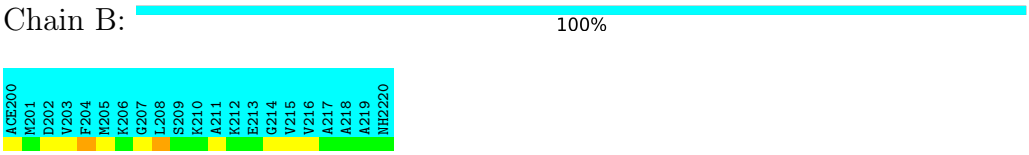
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

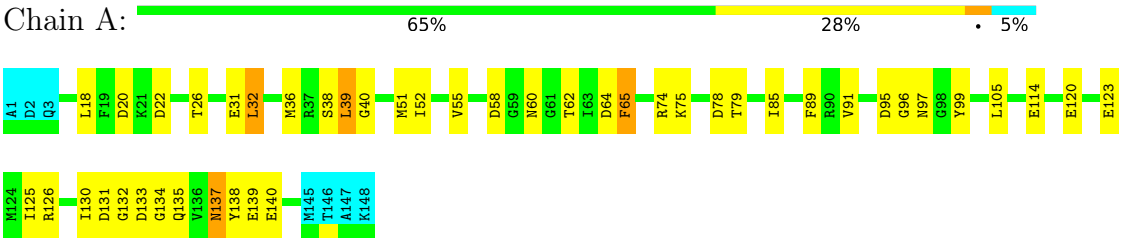
Chain B:



4.2.17 Score per residue for model 17

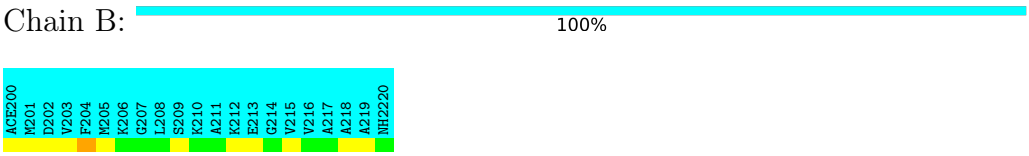
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

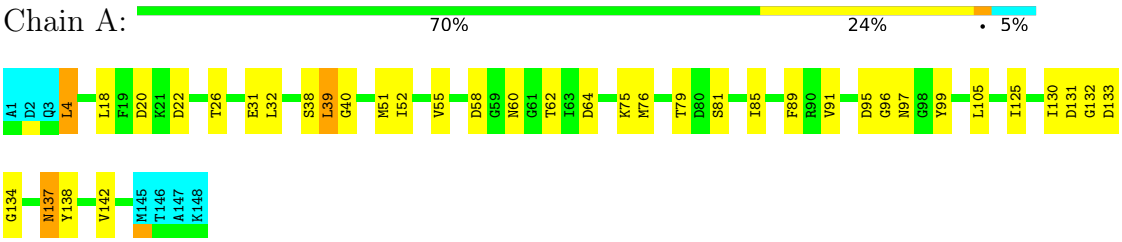
Chain B:



4.2.18 Score per residue for model 18

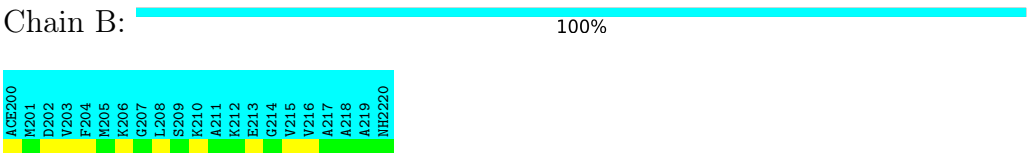
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

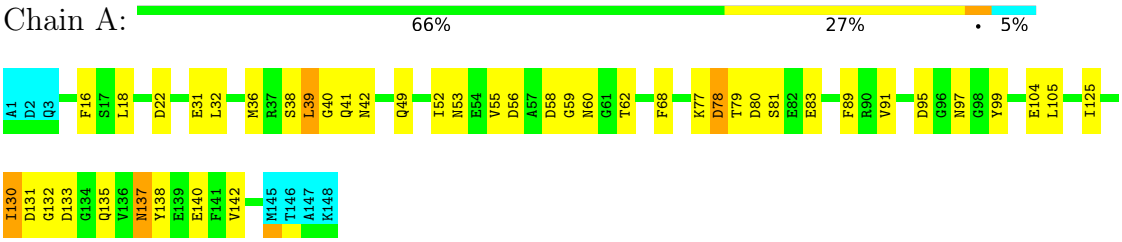
Chain B:



4.2.19 Score per residue for model 19

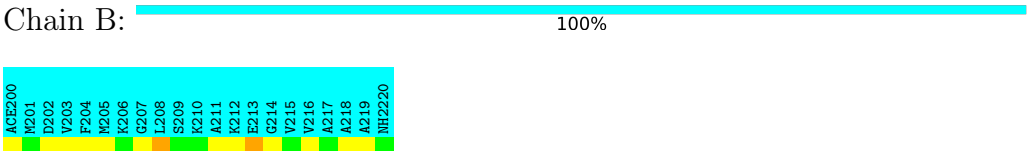
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

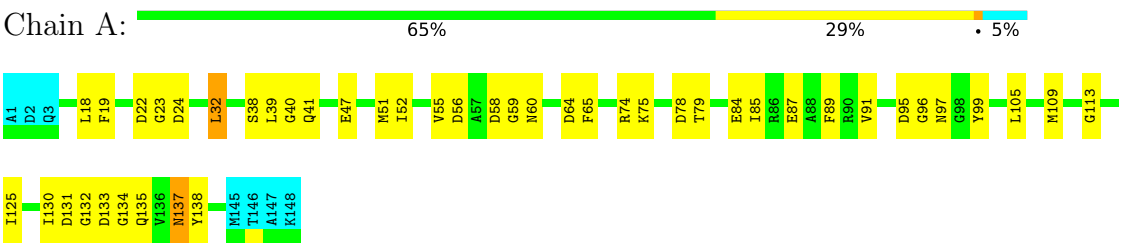
Chain B:



4.2.20 Score per residue for model 20

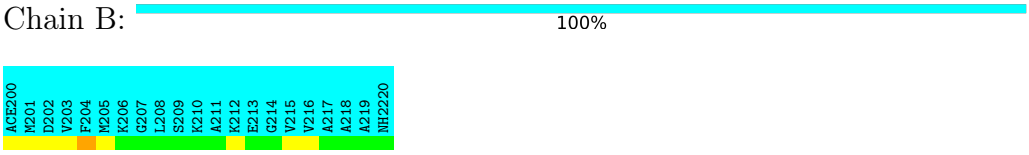
• Molecule 1: Calmodulin

Chain A:



• Molecule 2: Alpha-synuclein

Chain B:



5 Refinement protocol and experimental data overview

The models were refined using the following method: *DGSA-distance geometry simulated annealing.*

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the least restraint violations.*

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

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

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	806
Number of shifts mapped to atoms	806
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	38%

6 Model quality

6.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: ACE, CA, NH2

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	1.55±0.01	0±0/1127 (0.0± 0.0%)	1.18±0.01	1±1/1515 (0.0± 0.0%)
All	All	1.55	1/22540 (0.0%)	1.18	11/30300 (0.0%)

All unique bond outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)	Models	
								Worst	Total
1	A	77	LYS	N-CA	6.05	1.50	1.46	16	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	A	98	GLY	N-CA-C	-5.21	108.13	115.32	12	6
1	A	19	PHE	CA-CB-CG	-5.14	108.66	113.80	10	2
1	A	65	PHE	CA-CB-CG	-5.11	108.69	113.80	17	2
1	A	80	ASP	N-CA-C	-5.08	106.86	113.16	13	1

There are no chirality outliers.

There are no planarity outliers.

6.2 Too-close contacts

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	1114	1043	1043	32±6
2	B	0	0	0	0±0
All	All	22360	20860	20860	632

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 15.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:110:THR:HG23	1:A:115:LYS:NZ	0.74	1.98	10	2
1:A:110:THR:HG23	1:A:115:LYS:HZ3	0.66	1.50	10	1
1:A:49:GLN:HE22	1:A:53:ASN:ND2	0.64	1.91	6	4
1:A:89:PHE:CD1	1:A:138:TYR:CZ	0.64	2.86	16	20
1:A:137:ASN:OD1	1:A:137:ASN:N	0.64	2.31	9	20
1:A:89:PHE:CG	1:A:138:TYR:CZ	0.62	2.88	12	20
1:A:76:MET:SD	1:A:76:MET:N	0.61	2.73	4	6
1:A:49:GLN:HE22	1:A:53:ASN:HD21	0.60	1.37	6	3
1:A:22:ASP:OD1	1:A:23:GLY:N	0.58	2.36	3	2
1:A:55:VAL:HG22	1:A:55:VAL:O	0.58	1.98	6	2
1:A:34:THR:N	1:A:37:ARG:NH2	0.58	2.52	5	2
1:A:38:SER:C	1:A:40:GLY:H	0.58	2.07	15	20
1:A:94:LYS:N	1:A:104:GLU:OE2	0.57	2.37	4	5
1:A:131:ASP:OD1	1:A:132:GLY:N	0.57	2.37	13	20
1:A:95:ASP:OD1	1:A:96:GLY:N	0.56	2.38	20	10
1:A:144:MET:N	1:A:144:MET:HE3	0.56	2.14	15	1
1:A:97:ASN:OD1	1:A:99:TYR:O	0.56	2.24	16	19
1:A:123:GLU:OE1	1:A:126:ARG:NH2	0.56	2.39	4	1
1:A:49:GLN:OE1	1:A:53:ASN:ND2	0.55	2.40	19	4
1:A:132:GLY:C	1:A:134:GLY:H	0.55	2.10	12	1
1:A:74:ARG:O	1:A:78:ASP:N	0.54	2.40	17	4
1:A:84:GLU:N	1:A:84:GLU:OE1	0.54	2.40	7	2
1:A:109:MET:O	1:A:113:GLY:N	0.54	2.40	15	2
1:A:49:GLN:HE22	1:A:53:ASN:CG	0.54	2.11	14	4
1:A:58:ASP:OD2	1:A:60:ASN:ND2	0.54	2.41	5	18
1:A:123:GLU:OE2	1:A:126:ARG:NH2	0.54	2.41	17	1
1:A:55:VAL:HG13	1:A:55:VAL:O	0.54	2.02	20	13
1:A:123:GLU:CD	1:A:126:ARG:NH2	0.54	2.66	17	1
1:A:118:ASP:OD1	1:A:119:GLU:N	0.53	2.42	11	2
1:A:89:PHE:CG	1:A:138:TYR:CE1	0.53	2.97	7	15
1:A:105:LEU:HD23	1:A:109:MET:SD	0.53	2.44	9	6
1:A:109:MET:O	1:A:114:GLU:N	0.53	2.42	15	1
1:A:12:PHE:CG	1:A:72:MET:SD	0.53	3.02	16	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:49:GLN:NE2	1:A:53:ASN:OD1	0.53	2.42	14	3
1:A:133:ASP:OD1	1:A:135:GLN:N	0.52	2.43	12	3
1:A:82:GLU:CD	1:A:83:GLU:N	0.52	2.67	14	1
1:A:49:GLN:NE2	1:A:53:ASN:ND2	0.52	2.57	6	4
1:A:74:ARG:NH1	1:A:80:ASP:OD2	0.52	2.42	9	1
1:A:95:ASP:N	1:A:95:ASP:OD1	0.52	2.40	16	1
1:A:56:ASP:OD1	1:A:59:GLY:N	0.52	2.43	14	12
1:A:77:LYS:O	1:A:78:ASP:CB	0.52	2.58	15	2
1:A:133:ASP:OD1	1:A:134:GLY:N	0.51	2.43	8	12
1:A:94:LYS:NZ	1:A:107:HIS:CD2	0.51	2.78	5	1
1:A:60:ASN:ND2	1:A:62:THR:OG1	0.51	2.42	15	13
1:A:6:GLU:H	1:A:6:GLU:CD	0.51	2.13	6	1
1:A:109:MET:SD	1:A:109:MET:C	0.51	2.93	5	1
1:A:84:GLU:OE1	1:A:84:GLU:N	0.51	2.40	14	1
1:A:133:ASP:OD1	1:A:133:ASP:C	0.50	2.55	12	13
1:A:36:MET:O	1:A:41:GLN:NE2	0.49	2.45	10	1
1:A:79:THR:O	1:A:80:ASP:CB	0.49	2.59	14	1
1:A:68:PHE:CZ	1:A:72:MET:SD	0.49	3.06	16	2
1:A:38:SER:C	1:A:40:GLY:N	0.49	2.71	15	20
1:A:73:ALA:O	1:A:76:MET:SD	0.49	2.71	3	2
1:A:132:GLY:O	1:A:134:GLY:N	0.48	2.46	12	1
1:A:133:ASP:CG	1:A:135:GLN:H	0.48	2.17	12	1
1:A:80:ASP:OD1	1:A:81:SER:N	0.48	2.46	10	3
1:A:47:GLU:OE2	1:A:51:MET:SD	0.48	2.71	20	1
1:A:20:ASP:OD1	1:A:26:THR:O	0.48	2.31	3	14
1:A:89:PHE:CD1	1:A:138:TYR:CE2	0.48	3.01	19	4
1:A:89:PHE:CB	1:A:138:TYR:CE1	0.48	2.96	5	8
1:A:75:LYS:O	1:A:78:ASP:O	0.48	2.32	17	3
1:A:74:ARG:CG	1:A:79:THR:OG1	0.47	2.62	16	2
1:A:80:ASP:O	1:A:84:GLU:OE1	0.47	2.33	2	3
1:A:84:GLU:N	1:A:84:GLU:CD	0.47	2.73	14	1
1:A:12:PHE:CD2	1:A:72:MET:SD	0.47	3.08	16	1
1:A:131:ASP:OD2	1:A:133:ASP:OD2	0.47	2.32	14	7
1:A:49:GLN:NE2	1:A:53:ASN:HD21	0.47	2.07	6	1
1:A:55:VAL:O	1:A:55:VAL:HG13	0.47	2.09	14	2
1:A:89:PHE:CD1	1:A:138:TYR:OH	0.47	2.68	17	4
1:A:58:ASP:OD1	1:A:59:GLY:N	0.47	2.48	20	5
1:A:95:ASP:CG	1:A:104:GLU:OE2	0.47	2.58	9	6
1:A:75:LYS:C	1:A:77:LYS:H	0.47	2.18	16	1
1:A:79:THR:C	1:A:81:SER:H	0.46	2.18	14	1
1:A:140:GLU:O	1:A:144:MET:N	0.46	2.49	11	2

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:75:LYS:O	1:A:78:ASP:OD1	0.46	2.33	9	3
1:A:133:ASP:OD2	1:A:137:ASN:OD1	0.46	2.34	5	14
1:A:58:ASP:OD2	1:A:64:ASP:OD2	0.46	2.34	9	9
1:A:20:ASP:OD2	1:A:26:THR:N	0.46	2.49	2	3
1:A:132:GLY:C	1:A:134:GLY:N	0.46	2.73	12	1
1:A:109:MET:O	1:A:113:GLY:CA	0.46	2.64	15	1
1:A:30:LYS:O	1:A:34:THR:OG1	0.46	2.33	5	5
1:A:133:ASP:OD2	1:A:135:GLN:O	0.46	2.34	12	1
1:A:133:ASP:O	1:A:135:GLN:OE1	0.45	2.34	11	13
1:A:58:ASP:OD1	1:A:58:ASP:C	0.45	2.60	1	15
1:A:131:ASP:OD2	1:A:133:ASP:CG	0.45	2.60	9	13
1:A:39:LEU:O	1:A:39:LEU:HD23	0.45	2.12	8	4
1:A:39:LEU:CB	1:A:41:GLN:HE21	0.45	2.25	12	1
1:A:95:ASP:OD2	1:A:104:GLU:OE2	0.45	2.35	19	3
1:A:81:SER:C	1:A:84:GLU:OE1	0.45	2.59	14	1
1:A:6:GLU:CD	1:A:6:GLU:N	0.45	2.74	6	1
1:A:78:ASP:OD1	1:A:81:SER:OG	0.44	2.35	11	2
1:A:22:ASP:OD2	1:A:24:ASP:CG	0.44	2.61	20	2
1:A:22:ASP:CG	1:A:31:GLU:OE2	0.44	2.61	12	7
1:A:33:GLY:C	1:A:37:ARG:CZ	0.44	2.91	5	1
1:A:139:GLU:CD	1:A:139:GLU:C	0.44	2.86	3	8
1:A:20:ASP:OD1	1:A:31:GLU:OE2	0.44	2.36	14	3
1:A:118:ASP:OD1	1:A:118:ASP:N	0.44	2.50	11	2
1:A:144:MET:C	1:A:144:MET:SD	0.44	3.00	10	1
1:A:38:SER:O	1:A:40:GLY:N	0.44	2.51	11	4
1:A:20:ASP:CG	1:A:26:THR:O	0.44	2.61	17	12
1:A:50:ASP:OD1	1:A:54:GLU:OE2	0.44	2.36	13	1
1:A:95:ASP:OD2	1:A:97:ASN:CG	0.44	2.60	9	5
1:A:36:MET:O	1:A:41:GLN:OE1	0.44	2.35	19	1
1:A:33:GLY:C	1:A:37:ARG:NH1	0.43	2.76	6	1
1:A:78:ASP:OD2	1:A:82:GLU:OE2	0.43	2.36	6	1
1:A:42:ASN:O	1:A:42:ASN:CG	0.43	2.61	5	2
1:A:131:ASP:CG	1:A:140:GLU:OE2	0.43	2.62	13	2
1:A:22:ASP:OD2	1:A:24:ASP:OD2	0.43	2.36	3	1
1:A:73:ALA:C	1:A:75:LYS:N	0.43	2.76	5	2
1:A:79:THR:O	1:A:82:GLU:OE1	0.43	2.36	6	1
1:A:131:ASP:OD1	1:A:140:GLU:OE2	0.43	2.35	9	2
1:A:94:LYS:HZ2	1:A:107:HIS:CD2	0.43	2.31	5	1
1:A:100:ILE:N	1:A:100:ILE:HD12	0.43	2.28	10	3
1:A:47:GLU:CD	1:A:47:GLU:C	0.43	2.87	20	1
1:A:80:ASP:O	1:A:81:SER:C	0.43	2.62	19	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:33:GLY:C	1:A:37:ARG:NH2	0.43	2.77	5	1
1:A:56:ASP:OD1	1:A:58:ASP:OD1	0.43	2.37	11	5
1:A:80:ASP:O	1:A:83:GLU:N	0.43	2.51	10	2
1:A:22:ASP:OD2	1:A:31:GLU:CD	0.42	2.62	10	9
1:A:28:THR:N	1:A:31:GLU:OE1	0.42	2.50	11	1
1:A:20:ASP:CG	1:A:22:ASP:OD1	0.42	2.62	3	1
1:A:24:ASP:OD1	1:A:24:ASP:C	0.42	2.62	8	6
1:A:42:ASN:OD1	1:A:42:ASN:N	0.42	2.52	11	3
1:A:54:GLU:O	1:A:54:GLU:OE1	0.42	2.37	16	1
1:A:14:GLU:CD	1:A:14:GLU:C	0.42	2.88	15	2
1:A:127:GLU:CD	1:A:127:GLU:C	0.42	2.88	15	1
1:A:49:GLN:NE2	1:A:53:ASN:CG	0.42	2.77	19	3
1:A:64:ASP:O	1:A:65:PHE:C	0.42	2.62	12	6
1:A:74:ARG:O	1:A:78:ASP:O	0.42	2.38	20	1
1:A:58:ASP:CG	1:A:60:ASN:CG	0.41	2.88	7	6
1:A:16:PHE:CD1	1:A:68:PHE:CD2	0.41	3.08	7	3
1:A:80:ASP:C	1:A:84:GLU:OE1	0.41	2.63	2	1
1:A:107:HIS:CE1	1:A:111:ASN:HD21	0.41	2.34	1	2
1:A:133:ASP:OD1	1:A:135:GLN:O	0.41	2.38	2	1
1:A:22:ASP:OD1	1:A:22:ASP:C	0.41	2.63	3	1
1:A:144:MET:N	1:A:144:MET:HE2	0.41	2.31	4	1
1:A:118:ASP:OD1	1:A:118:ASP:C	0.41	2.63	6	1
1:A:39:LEU:CB	1:A:41:GLN:NE2	0.41	2.84	10	1
1:A:50:ASP:OD1	1:A:50:ASP:C	0.41	2.64	7	1
1:A:28:THR:OG1	1:A:31:GLU:OE1	0.41	2.39	10	1
1:A:75:LYS:C	1:A:77:LYS:N	0.41	2.76	16	1
1:A:130:ILE:N	1:A:140:GLU:OE2	0.41	2.53	19	1
1:A:106:ARG:O	1:A:110:THR:OG1	0.41	2.34	7	1
1:A:82:GLU:CD	1:A:82:GLU:C	0.40	2.89	4	1
1:A:80:ASP:OD1	1:A:80:ASP:C	0.40	2.62	10	1
1:A:56:ASP:C	1:A:56:ASP:OD1	0.40	2.64	13	1
1:A:109:MET:SD	1:A:110:THR:N	0.40	2.94	5	1
1:A:97:ASN:OD1	1:A:97:ASN:N	0.40	2.52	12	1
1:A:49:GLN:OE1	1:A:49:GLN:C	0.40	2.64	19	1
1:A:22:ASP:CG	1:A:31:GLU:CD	0.40	2.89	14	2
1:A:56:ASP:OD1	1:A:56:ASP:C	0.40	2.64	1	1
1:A:7:GLU:H	1:A:7:GLU:CD	0.40	2.24	11	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	141/148 (95%)	137±2 (97±1%)	3±2 (2±1%)	1±0 (1±0%)	20 70
2	B	0	-	-	-	-
All	All	2820/3380 (83%)	2743 (97%)	56 (2%)	21 (1%)	20 70

All 3 unique Ramachandran outliers are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	39	LEU	18
1	A	78	ASP	2
1	A	133	ASP	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	121/126 (96%)	110±2 (91±1%)	11±2 (9±1%)	11 57
2	B	0	-	-	-
All	All	2420/2780 (87%)	2204 (91%)	216 (9%)	11 57

All 20 unique residues with a non-rotameric sidechain are listed below. They are sorted by the frequency of occurrence in the ensemble.

Mol	Chain	Res	Type	Models (Total)
1	A	18	LEU	20
1	A	52	ILE	20
1	A	91	VAL	20
1	A	125	ILE	20
1	A	130	ILE	20

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Mol	Chain	Res	Type	Models (Total)
1	A	137	ASN	20
1	A	32	LEU	19
1	A	79	THR	18
1	A	39	LEU	14
1	A	105	LEU	12
1	A	85	ILE	9
1	A	76	MET	6
1	A	51	MET	5
1	A	55	VAL	4
1	A	4	LEU	3
1	A	65	PHE	2
1	A	133	ASP	1
1	A	8	GLN	1
1	A	124	MET	1
1	A	144	MET	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

Of 4 ligands modelled in this entry, 4 are monoatomic - leaving 0 for Mogul analysis.

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 38% for the well-defined parts and 37% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_1*

7.1.1 Bookkeeping

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

Total number of shifts	806
Number of shifts mapped to atoms	806
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	0

7.1.2 Chemical shift referencing

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction ± precision, *ppm*	Suggested action
$^{13}C_{\alpha}$	160	-0.30 ± 0.09	None needed (< 0.5 ppm)
$^{13}C_{\beta}$	148	0.03 ± 0.12	None needed (< 0.5 ppm)
$^{13}C'$	0	—	None (insufficient data)
^{15}N	157	0.16 ± 0.23	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 38%, i.e. 700 atoms were assigned a chemical shift out of a possible 1855. 0 out of 16 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	570/712 (80%)	291/291 (100%)	140/282 (50%)	139/139 (100%)
Sidechain	130/1038 (13%)	0/663 (0%)	130/339 (38%)	0/36 (0%)

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	Total	^{1}H	^{13}C	^{15}N
Aromatic	0/105 (0%)	0/52 (0%)	0/52 (0%)	0/1 (0%)
Overall	700/1855 (38%)	291/1006 (29%)	270/673 (40%)	139/176 (79%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 37%, i.e. 806 atoms were assigned a chemical shift out of a possible 2183. 0 out of 20 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^{1}H	^{13}C	^{15}N
Backbone	658/844 (78%)	341/345 (99%)	160/334 (48%)	157/165 (95%)
Sidechain	148/1224 (12%)	0/786 (0%)	148/397 (37%)	0/41 (0%)
Aromatic	0/115 (0%)	0/57 (0%)	0/57 (0%)	0/1 (0%)
Overall	806/2183 (37%)	341/1188 (29%)	308/788 (39%)	157/207 (76%)

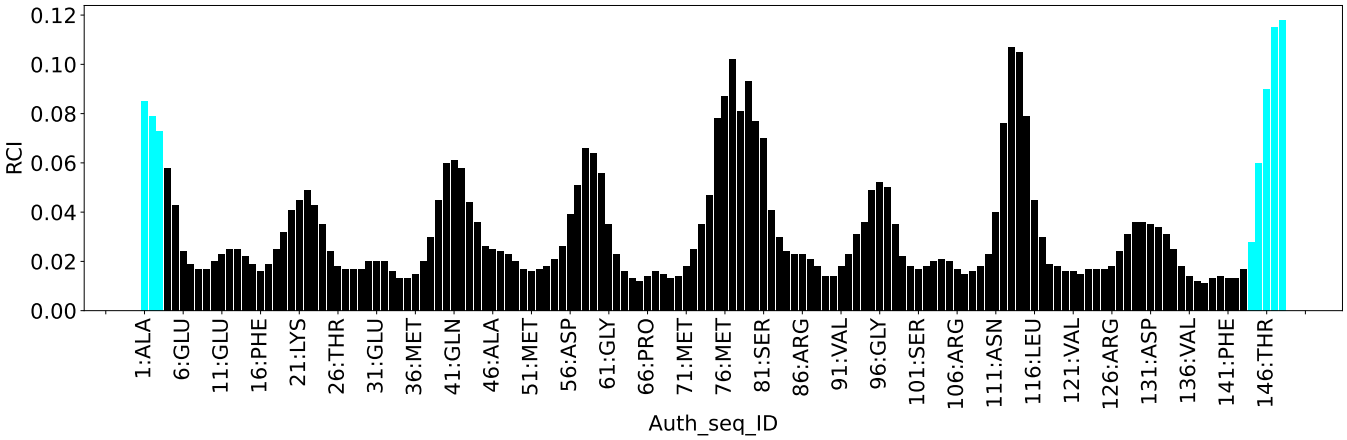
7.1.4 Statistically unusual chemical shifts (i)

There are no statistically unusual chemical shifts.

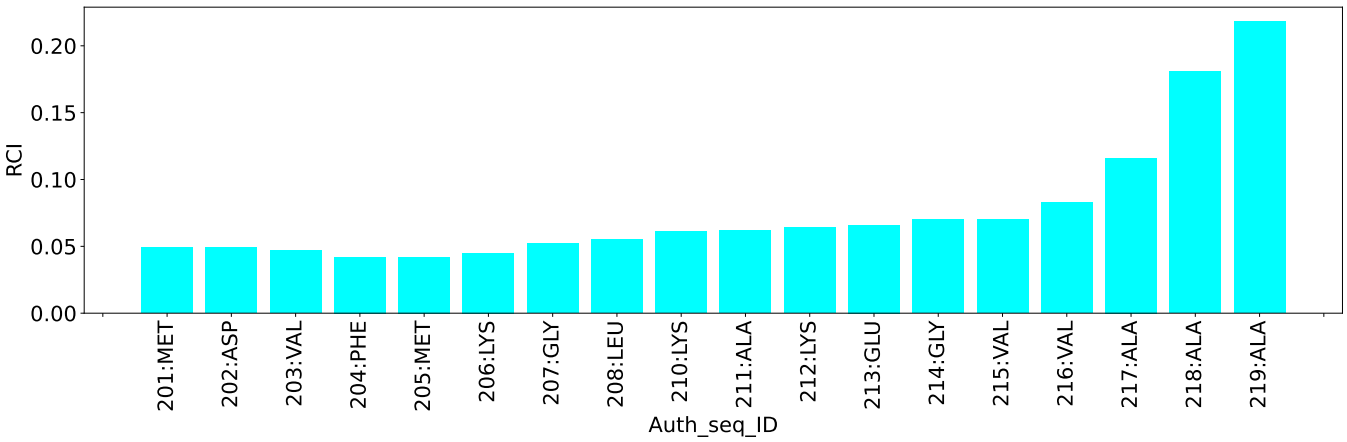
7.1.5 Random Coil Index (RCI) plots (i)

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:



Random coil index (RCI) for chain B:


RCI
0.20
0.15
0.10
0.05
0.00
201:MET
202:ASP
203:VAL
204:PHE
205:MET
206:LYS
207:GLY
208:LEU
210:LYS
211:ALA
212:LYS
213:GLU
214:GLY
215:VAL
216:VAL
217:ALA
218:ALA
219:ALA
Auth_seq_ID

8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	3452
Intra-residue (|i-j|=0)	1130
Sequential (|i-j|=1)	912
Medium range (|i-j|>1 and |i-j|<5)	832
Long range (|i-j|≥5)	529
Inter-chain	49
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	282
Number of unmapped restraints	0
Number of restraints per residue	21.6
Number of long range restraints per residue[1]	3.1

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

8.2 Residual restraint violations

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

8.2.1 Average number of distance violations per model

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

Bins (Å)	Average number of violations per model	Max (Å)
0.1-0.2 (Small)	203.8	0.2
0.2-0.5 (Medium)	180.2	0.5
>0.5 (Large)	66.4	4.79

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)	11.0	8.12
10.0-20.0 (Medium)	None	None
>20.0 (Large)	None	None

9 Distance violation analysis (i)

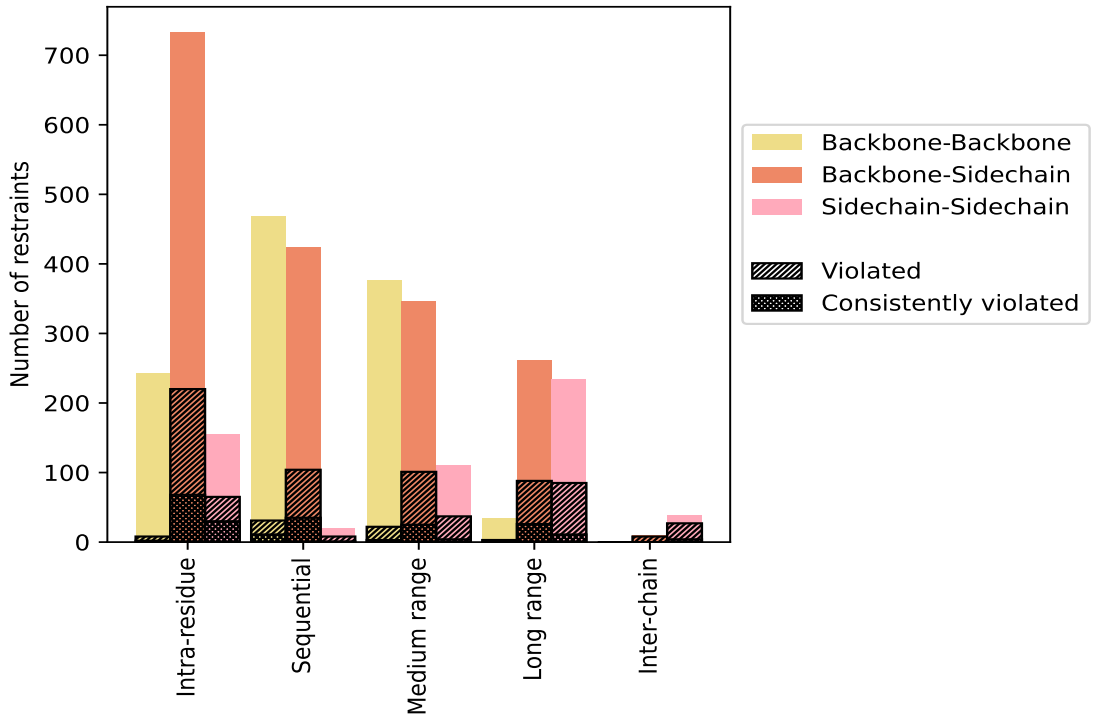
9.1 Summary of distance violations (i)

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)	1130	32.7	293	25.9	8.5	100	8.8	2.9
Backbone-Backbone	242	7.0	8	3.3	0.2	2	0.8	0.1
Backbone-Sidechain	733	21.2	220	30.0	6.4	68	9.3	2.0
Sidechain-Sidechain	155	4.5	65	41.9	1.9	30	19.4	0.9
Sequential (|i-j|=1)	912	26.4	143	15.7	4.1	47	5.2	1.4
Backbone-Backbone	468	13.6	31	6.6	0.9	11	2.4	0.3
Backbone-Sidechain	424	12.3	104	24.5	3.0	35	8.3	1.0
Sidechain-Sidechain	20	0.6	8	40.0	0.2	1	5.0	0.0
Medium range (|i-j|>1 & |i-j|<5)	832	24.1	160	19.2	4.6	32	3.8	0.9
Backbone-Backbone	376	10.9	22	5.9	0.6	3	0.8	0.1
Backbone-Sidechain	346	10.0	101	29.2	2.9	25	7.2	0.7
Sidechain-Sidechain	110	3.2	37	33.6	1.1	4	3.6	0.1
Long range (|i-j|≥5)	529	15.3	176	33.3	5.1	37	7.0	1.1
Backbone-Backbone	34	1.0	3	8.8	0.1	0	0.0	0.0
Backbone-Sidechain	261	7.6	88	33.7	2.5	26	10.0	0.8
Sidechain-Sidechain	234	6.8	85	36.3	2.5	11	4.7	0.3
Inter-chain	49	1.4	35	71.4	1.0	4	8.2	0.1
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	10	0.3	8	80.0	0.2	0	0.0	0.0
Sidechain-Sidechain	39	1.1	27	69.2	0.8	4	10.3	0.1
Hydrogen bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Disulfide bond	0	0.0	0	0.0	0.0	0	0.0	0.0
Total	3452	100.0	807	23.4	23.4	220	6.4	6.4
Backbone-Backbone	1120	32.4	64	5.7	1.9	16	1.4	0.5
Backbone-Sidechain	1774	51.4	521	29.4	15.1	154	8.7	4.5
Sidechain-Sidechain	558	16.2	222	39.8	6.4	50	9.0	1.4

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

9.1.1 Bar chart : Distribution of distance restraints and violations



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

9.2 Distance violation statistics for each model

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
1	193	82	82	96	13	466	0.33	3.42	0.35	0.22
2	181	81	78	92	17	449	0.33	3.44	0.34	0.23
3	195	86	75	89	17	462	0.33	4.79	0.41	0.22
4	191	80	81	96	13	461	0.33	3.58	0.39	0.21
5	183	86	75	95	19	458	0.33	3.37	0.34	0.22
6	189	80	82	92	18	461	0.33	3.12	0.35	0.22
7	185	84	84	89	21	463	0.32	3.71	0.35	0.21
8	176	83	82	91	13	445	0.35	3.16	0.4	0.22
9	181	82	85	92	13	453	0.32	2.68	0.32	0.22
10	194	82	82	91	15	464	0.32	3.86	0.34	0.22

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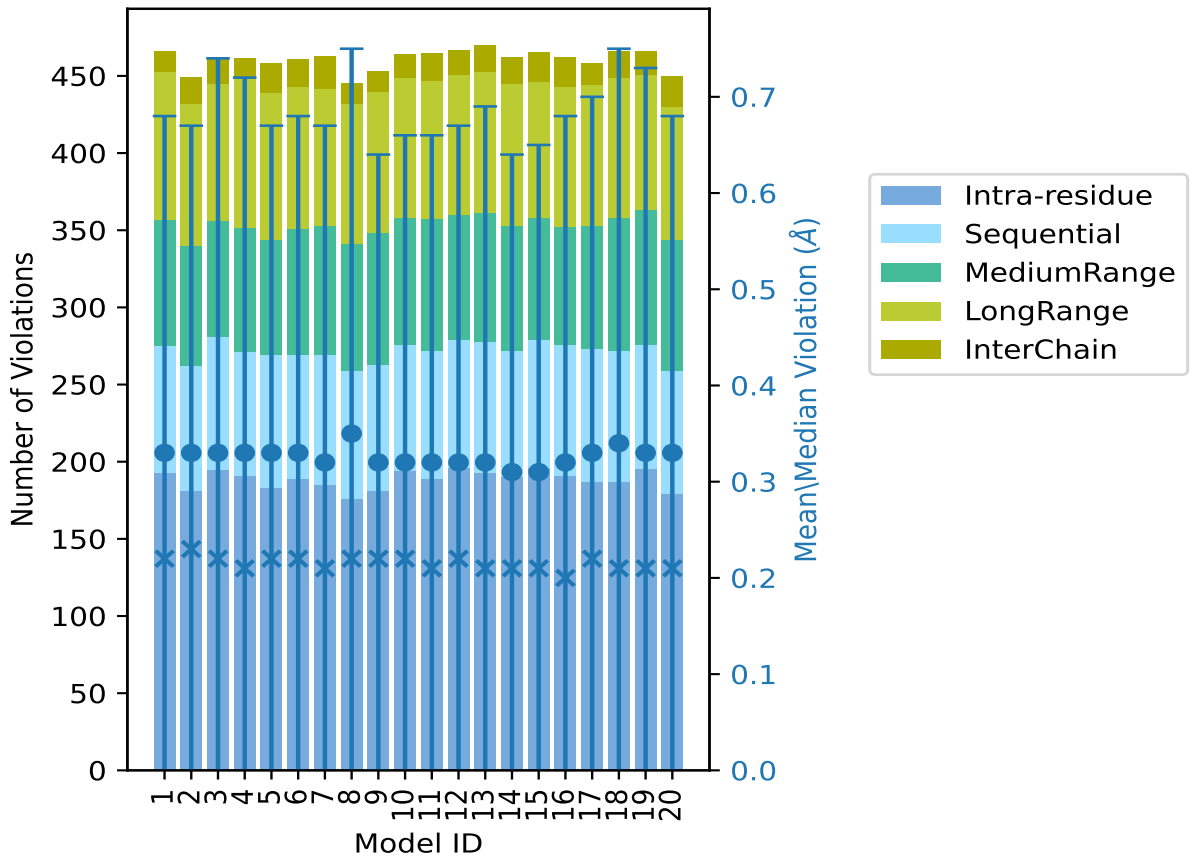
Model ID	Number of violations						Mean (Å)	Max (Å)	SD[6] (Å)	Median (Å)
	IR[1]	SQ[2]	MR[3]	LR[4]	IC[5]	Total				
11	189	83	85	90	18	465	0.32	3.89	0.34	0.21
12	196	83	81	91	16	467	0.32	3.54	0.35	0.22
13	193	85	83	92	17	470	0.32	3.37	0.37	0.21
14	190	82	81	92	17	462	0.31	3.21	0.33	0.21
15	196	83	79	88	19	465	0.31	4.27	0.34	0.21
16	191	85	76	91	19	462	0.32	4.09	0.36	0.2
17	187	86	80	91	14	458	0.33	3.3	0.37	0.22
18	187	85	86	91	17	466	0.34	4.68	0.41	0.21
19	195	81	87	88	15	466	0.33	4.57	0.4	0.21
20	179	80	85	86	20	450	0.33	2.92	0.35	0.21

[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

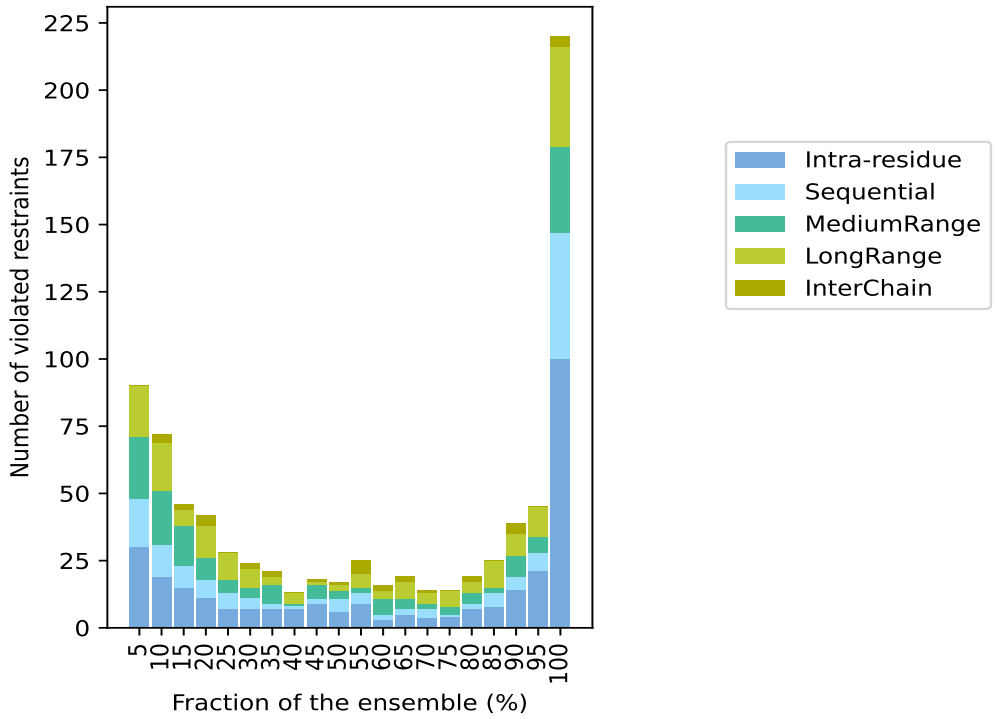
9.3 Distance violation statistics for the ensemble (i)

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, 2645(IR:837, SQ:769, MR:672, LR:353, IC:14) 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]	%
30	18	23	19	0	90	1	5.0
19	12	20	18	3	72	2	10.0
15	8	15	6	2	46	3	15.0
11	7	8	12	4	42	4	20.0
7	6	5	10	0	28	5	25.0
7	4	4	7	2	24	6	30.0
7	2	7	3	2	21	7	35.0
7	1	1	4	0	13	8	40.0
9	2	5	1	1	18	9	45.0
6	5	3	2	1	17	10	50.0
9	4	2	5	5	25	11	55.0
3	2	6	3	2	16	12	60.0
5	2	4	6	2	19	13	65.0
4	3	2	4	1	14	14	70.0
4	1	3	6	0	14	15	75.0
7	2	4	4	2	19	16	80.0
8	5	2	10	0	25	17	85.0
14	5	8	8	4	39	18	90.0
21	7	6	11	0	45	19	95.0
100	47	32	37	4	220	20	100.0

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

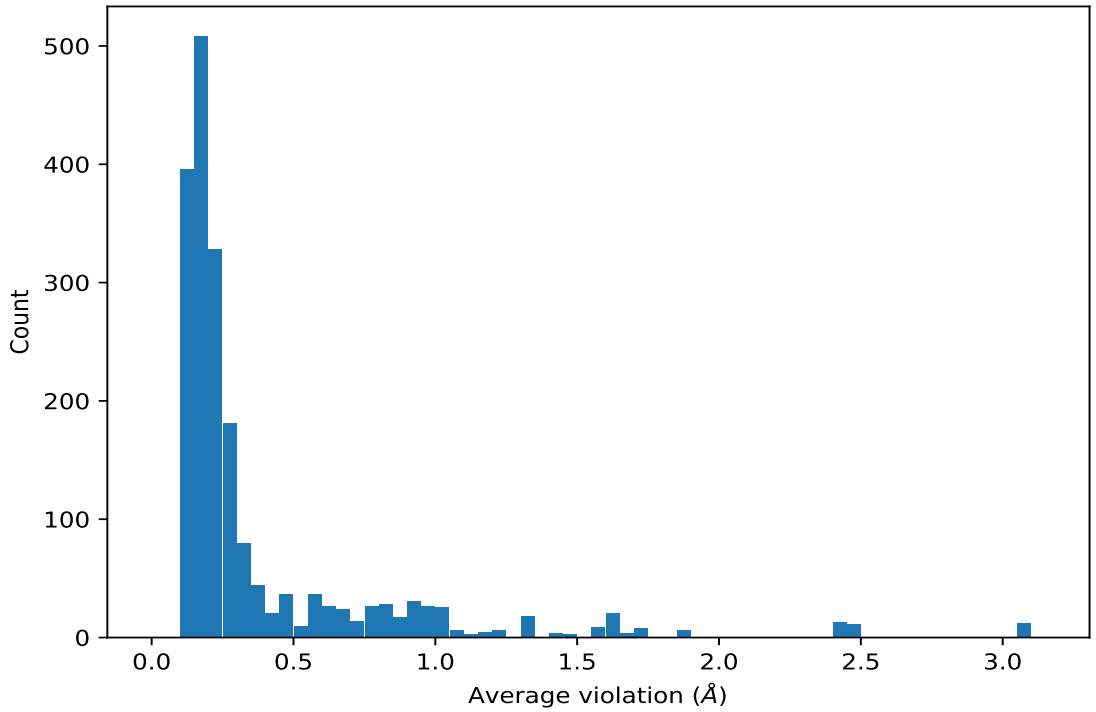
9.3.1 Bar graph : Distance violation statistics for the ensemble



9.4 Most violated distance restraints in the ensemble

9.4.1 Histogram : Distribution of mean distance violations

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



9.4.2 Table: Most violated distance restraints

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

Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3423)	2:218:B:ALA:HB3	1:105:A:LEU:HD11	20	3.07	0.78	3.3
(1,3423)	2:218:B:ALA:HB3	1:105:A:LEU:HD21	20	3.07	0.78	3.3
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD13	20	3.07	0.78	3.3
(1,3423)	2:218:B:ALA:HB1	1:105:A:LEU:HD23	20	3.07	0.78	3.3
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD22	20	3.07	0.78	3.3
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD23	20	3.07	0.78	3.3
(1,3423)	2:218:B:ALA:HB1	1:105:A:LEU:HD21	20	3.07	0.78	3.3
(1,3423)	2:218:B:ALA:HB3	1:105:A:LEU:HD22	20	3.07	0.78	3.3
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD11	20	3.07	0.78	3.3
(1,3423)	2:219:B:ALA:HB3	1:105:A:LEU:HD11	20	3.07	0.78	3.3
(1,3423)	2:218:B:ALA:HB1	1:105:A:LEU:HD22	20	3.07	0.78	3.3
(1,3423)	2:219:B:ALA:HB3	1:105:A:LEU:HD22	20	3.07	0.78	3.3
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE1	20	1.85	0.62	1.67
(1,2632)	1:51:A:MET:HE2	2:204:B:PHE:HE2	20	1.85	0.62	1.67
(1,2632)	1:51:A:MET:HE2	2:204:B:PHE:HE1	20	1.85	0.62	1.67
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE2	20	1.85	0.62	1.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2632)	1:51:A:MET:HE1	2:204:B:PHE:HE1	20	1.85	0.62	1.67
(1,2632)	1:51:A:MET:HE1	2:204:B:PHE:HE2	20	1.85	0.62	1.67
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD11	20	1.74	0.52	1.82
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD13	20	1.74	0.52	1.82
(1,3407)	1:144:A:MET:HE3	1:85:A:ILE:HD11	20	1.74	0.52	1.82
(1,3407)	1:144:A:MET:HE3	1:85:A:ILE:HD12	20	1.74	0.52	1.82
(1,3407)	1:144:A:MET:HE1	1:85:A:ILE:HD11	20	1.74	0.52	1.82
(1,3407)	1:144:A:MET:HE1	1:85:A:ILE:HD13	20	1.74	0.52	1.82
(1,3407)	1:144:A:MET:HE1	1:85:A:ILE:HD12	20	1.74	0.52	1.82
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD12	20	1.74	0.52	1.82
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG21	20	1.65	0.08	1.65
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG23	20	1.65	0.08	1.65
(1,1574)	1:140:A:GLU:H	1:130:A:ILE:HD13	20	1.65	0.08	1.65
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG22	20	1.65	0.08	1.65
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE2	20	1.64	0.26	1.62
(1,2745)	1:71:A:MET:HE2	2:204:B:PHE:HE2	20	1.64	0.26	1.62
(1,2745)	1:71:A:MET:HE3	2:204:B:PHE:HE2	20	1.64	0.26	1.62
(1,2745)	1:71:A:MET:HE3	2:204:B:PHE:HE1	20	1.64	0.26	1.62
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE1	20	1.64	0.26	1.62
(1,3440)	1:91:A:VAL:HG23	1:39:A:LEU:HD23	20	1.62	0.48	1.86
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD21	20	1.62	0.48	1.86
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD11	20	1.62	0.48	1.86
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD22	20	1.62	0.48	1.86
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD23	20	1.62	0.48	1.86
(1,3440)	1:91:A:VAL:HG23	1:39:A:LEU:HD21	20	1.62	0.48	1.86
(1,3440)	1:91:A:VAL:HG22	1:39:A:LEU:HD22	20	1.62	0.48	1.86
(1,3440)	1:91:A:VAL:HG23	1:112:A:LEU:HD21	20	1.62	0.48	1.86
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD13	20	1.62	0.48	1.86
(1,3422)	2:215:B:VAL:HG13	1:92:A:PHE:HE1	20	1.48	0.6	1.64
(1,3422)	2:215:B:VAL:HG12	1:92:A:PHE:HE1	20	1.48	0.6	1.64
(1,3422)	2:215:B:VAL:HG11	1:92:A:PHE:HE1	20	1.48	0.6	1.64
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD21	20	1.34	0.19	1.36
(1,1364)	1:124:A:MET:H	1:105:A:LEU:HD23	20	1.34	0.19	1.36
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD23	20	1.34	0.19	1.36
(1,1364)	1:124:A:MET:H	1:105:A:LEU:HD22	20	1.34	0.19	1.36
(1,1364)	1:124:A:MET:H	1:105:A:LEU:HD21	20	1.34	0.19	1.36
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD22	20	1.34	0.19	1.36
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD13	20	1.07	0.03	1.07
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD11	20	1.07	0.03	1.07
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD12	20	1.07	0.03	1.07
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD21	20	1.0	0.12	1.0
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	20	1.0	0.12	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD23	20	1.0	0.12	1.0
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG21	20	0.99	0.01	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG23	20	0.99	0.01	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	20	0.99	0.01	0.99
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG21	20	0.98	0.24	1.04
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	20	0.98	0.24	1.04
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG23	20	0.98	0.24	1.04
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG23	20	0.94	0.01	0.94
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	20	0.94	0.01	0.94
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG21	20	0.94	0.01	0.94
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	20	0.89	0.13	0.9
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD23	20	0.89	0.13	0.9
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD21	20	0.89	0.13	0.9
(1,3444)	1:108:A:VAL:HG23	1:112:A:LEU:HG	20	0.88	0.24	0.84
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HG	20	0.88	0.24	0.84
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HB3	20	0.88	0.24	0.84
(1,3444)	1:108:A:VAL:HG21	1:112:A:LEU:HG	20	0.88	0.24	0.84
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG22	20	0.86	0.09	0.88
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	20	0.86	0.09	0.88
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG23	20	0.86	0.09	0.88
(1,295)	1:27:A:ILE:H	1:64:A:ASP:HB3	20	0.86	0.05	0.88
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	20	0.86	0.05	0.88
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	20	0.85	0.29	0.97
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG2	20	0.85	0.29	0.97
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG22	20	0.81	0.18	0.84
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG21	20	0.81	0.18	0.84
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	20	0.81	0.18	0.84
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD11	20	0.81	0.11	0.82
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD12	20	0.81	0.11	0.82
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD23	20	0.81	0.11	0.82
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD13	20	0.81	0.11	0.82
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD21	20	0.81	0.11	0.82
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG23	20	0.79	0.1	0.82
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG21	20	0.79	0.1	0.82
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG22	20	0.79	0.1	0.82
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	20	0.78	0.1	0.79
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG22	20	0.78	0.1	0.79
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG23	20	0.78	0.1	0.79
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	20	0.78	0.03	0.78
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG21	20	0.78	0.03	0.78
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG22	20	0.78	0.03	0.78
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	20	0.76	0.03	0.76

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2670)	1:55:A:VAL:HG11	1:71:A:MET:HB3	20	0.76	0.21	0.81
(1,2670)	1:55:A:VAL:HG13	1:71:A:MET:HB3	20	0.76	0.21	0.81
(1,2670)	1:55:A:VAL:HG12	1:71:A:MET:HB3	20	0.76	0.21	0.81
(1,3436)	1:35:A:VAL:HG21	1:39:A:LEU:HB2	20	0.74	0.19	0.75
(1,3436)	1:35:A:VAL:HG23	1:39:A:LEU:HB2	20	0.74	0.19	0.75
(1,3436)	1:35:A:VAL:HG23	1:39:A:LEU:HG	20	0.74	0.19	0.75
(1,3436)	1:35:A:VAL:HG22	1:39:A:LEU:HB2	20	0.74	0.19	0.75
(1,3436)	1:35:A:VAL:HG22	1:39:A:LEU:HG	20	0.74	0.19	0.75
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	20	0.68	0.31	0.66
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD23	20	0.68	0.31	0.66
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD21	20	0.68	0.31	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG21	20	0.67	0.01	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG23	20	0.67	0.01	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	20	0.67	0.01	0.66
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	20	0.66	0.06	0.68
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	20	0.66	0.06	0.68
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	20	0.66	0.08	0.65
(1,889)	1:83:A:GLU:H	1:79:A:THR:HB	20	0.66	0.08	0.65
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG22	20	0.65	0.32	0.8
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	20	0.65	0.32	0.8
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG21	20	0.65	0.32	0.8
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG21	20	0.64	0.05	0.65
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG23	20	0.64	0.05	0.65
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG22	20	0.64	0.05	0.65
(1,2806)	1:100:A:ILE:HG21	1:92:A:PHE:HE1	20	0.64	0.33	0.58
(1,2806)	1:100:A:ILE:HG23	1:92:A:PHE:HE1	20	0.64	0.33	0.58
(1,2806)	1:100:A:ILE:HG22	1:92:A:PHE:HE1	20	0.64	0.33	0.58
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB1	20	0.63	0.07	0.66
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	20	0.63	0.07	0.66
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB3	20	0.63	0.07	0.66
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG13	20	0.61	0.04	0.6
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	20	0.61	0.04	0.6
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG12	20	0.61	0.04	0.6
(1,1198)	1:109:A:MET:H	1:105:A:LEU:HD21	20	0.61	0.23	0.51
(1,1198)	1:109:A:MET:H	1:105:A:LEU:HD22	20	0.61	0.23	0.51
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD12	20	0.61	0.23	0.51
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD13	20	0.61	0.23	0.51
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD11	20	0.61	0.23	0.51
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD22	20	0.55	0.1	0.55
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD23	20	0.55	0.1	0.55
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD21	20	0.55	0.1	0.55
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD23	20	0.55	0.1	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD21	20	0.55	0.1	0.55
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD22	20	0.55	0.1	0.55
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	20	0.55	0.16	0.62
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG22	20	0.55	0.03	0.56
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG21	20	0.55	0.03	0.56
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG23	20	0.55	0.03	0.56
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	20	0.55	0.16	0.48
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG22	20	0.55	0.16	0.48
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG23	20	0.55	0.16	0.48
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	20	0.54	0.02	0.55
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	20	0.54	0.05	0.54
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	20	0.52	0.09	0.51
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	20	0.52	0.12	0.52
(1,2402)	1:33:A:GLY:HA3	1:36:A:MET:HB2	20	0.52	0.12	0.52
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG3	20	0.52	0.12	0.52
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	20	0.5	0.04	0.5
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	20	0.49	0.03	0.49
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD1	20	0.49	0.03	0.49
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB1	20	0.46	0.07	0.46
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB3	20	0.46	0.07	0.46
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	20	0.46	0.07	0.46
(1,1428)	1:130:A:ILE:H	1:129:A:ASP:HB3	20	0.46	0.1	0.48
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	20	0.46	0.1	0.48
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	20	0.42	0.03	0.42
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	20	0.42	0.09	0.42
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD11	20	0.42	0.09	0.42
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD12	20	0.42	0.09	0.42
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	20	0.37	0.09	0.38
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	20	0.37	0.09	0.38
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	20	0.37	0.09	0.38
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD13	20	0.37	0.14	0.34
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	20	0.37	0.14	0.34
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD11	20	0.37	0.14	0.34
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	20	0.36	0.23	0.29
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HD13	20	0.36	0.23	0.29
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HD11	20	0.36	0.23	0.29
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HD12	20	0.36	0.23	0.29
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	20	0.35	0.02	0.36
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	20	0.35	0.01	0.35
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG22	20	0.34	0.04	0.34
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	20	0.34	0.04	0.34
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG23	20	0.34	0.04	0.34

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	20	0.33	0.03	0.33
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	20	0.33	0.06	0.34
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	20	0.33	0.06	0.34
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	20	0.33	0.06	0.34
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD23	20	0.32	0.11	0.26
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD21	20	0.32	0.11	0.26
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD22	20	0.32	0.11	0.26
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	20	0.32	0.01	0.32
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	20	0.32	0.01	0.32
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	20	0.32	0.01	0.32
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	20	0.32	0.01	0.32
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	20	0.32	0.01	0.32
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	20	0.32	0.01	0.32
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	20	0.31	0.06	0.3
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	20	0.31	0.03	0.31
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	20	0.31	0.05	0.3
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	20	0.31	0.05	0.3
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	20	0.31	0.05	0.3
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	20	0.3	0.01	0.31
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	20	0.3	0.07	0.29
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	20	0.3	0.07	0.29
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	20	0.3	0.07	0.29
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	20	0.3	0.07	0.29
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	20	0.3	0.07	0.29
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	20	0.3	0.07	0.29
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	20	0.3	0.01	0.3
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	20	0.3	0.16	0.22
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	20	0.3	0.16	0.22
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	20	0.3	0.16	0.22
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	20	0.3	0.01	0.3
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	20	0.3	0.01	0.3
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	20	0.3	0.01	0.3
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	20	0.29	0.05	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	20	0.29	0.05	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	20	0.29	0.05	0.32
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	20	0.29	0.04	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	20	0.29	0.02	0.28
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	20	0.29	0.04	0.29
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	20	0.29	0.04	0.29
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	20	0.28	0.06	0.29
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	20	0.28	0.07	0.3
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	20	0.28	0.07	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	20	0.28	0.07	0.3
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	20	0.28	0.07	0.3
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	20	0.28	0.07	0.3
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	20	0.28	0.07	0.3
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	20	0.28	0.03	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	20	0.28	0.03	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	20	0.28	0.03	0.28
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	20	0.28	0.02	0.28
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	20	0.28	0.02	0.28
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	20	0.28	0.02	0.28
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	20	0.28	0.06	0.3
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	20	0.28	0.01	0.28
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	20	0.28	0.01	0.28
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	20	0.28	0.01	0.28
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	20	0.28	0.01	0.28
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	20	0.28	0.01	0.28
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	20	0.28	0.01	0.28
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	20	0.28	0.02	0.29
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	20	0.28	0.02	0.29
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	20	0.28	0.02	0.29
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	20	0.28	0.02	0.28
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	20	0.28	0.02	0.28
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	20	0.28	0.02	0.28
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	20	0.28	0.03	0.28
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	20	0.28	0.04	0.29
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	20	0.28	0.03	0.27
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	20	0.28	0.03	0.27
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	20	0.28	0.03	0.27
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	20	0.27	0.01	0.27
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	20	0.27	0.01	0.27
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	20	0.27	0.01	0.27
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	20	0.27	0.05	0.27
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	20	0.27	0.05	0.27
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	20	0.27	0.05	0.27
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	20	0.27	0.02	0.27
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	20	0.27	0.02	0.27
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	20	0.27	0.02	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	20	0.27	0.01	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	20	0.27	0.01	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	20	0.27	0.01	0.27
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	20	0.26	0.03	0.27
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	20	0.26	0.03	0.27

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	20	0.26	0.01	0.26
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	20	0.26	0.08	0.24
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	20	0.26	0.08	0.24
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB3	20	0.26	0.04	0.25
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	20	0.26	0.04	0.25
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB2	20	0.26	0.04	0.25
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	20	0.26	0.03	0.26
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	20	0.26	0.03	0.26
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	20	0.26	0.03	0.26
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	20	0.26	0.02	0.26
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	20	0.26	0.02	0.26
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	20	0.26	0.02	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	20	0.26	0.01	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	20	0.26	0.01	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	20	0.26	0.01	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	20	0.26	0.01	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	20	0.26	0.01	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	20	0.26	0.01	0.26
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	20	0.26	0.02	0.26
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	20	0.26	0.02	0.26
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	20	0.26	0.02	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	20	0.26	0.01	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	20	0.26	0.01	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	20	0.26	0.01	0.26
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	20	0.25	0.06	0.25
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	20	0.25	0.06	0.25
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	20	0.25	0.06	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	20	0.25	0.01	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	20	0.25	0.01	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	20	0.25	0.01	0.25
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	20	0.25	0.02	0.26
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	20	0.25	0.02	0.26
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	20	0.25	0.02	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	20	0.25	0.03	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	20	0.25	0.03	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	20	0.25	0.03	0.25
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	20	0.25	0.03	0.26
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	20	0.25	0.06	0.26
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG13	20	0.25	0.06	0.26
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG11	20	0.25	0.06	0.26
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	20	0.25	0.0	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	20	0.25	0.0	0.25

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	20	0.25	0.0	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	20	0.25	0.0	0.25
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	20	0.25	0.02	0.25
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	20	0.25	0.02	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	20	0.24	0.01	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	20	0.24	0.01	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	20	0.24	0.01	0.25
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	20	0.24	0.02	0.25
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	20	0.24	0.02	0.25
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	20	0.24	0.02	0.25
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	20	0.24	0.01	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	20	0.24	0.01	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	20	0.24	0.01	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	20	0.24	0.01	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	20	0.24	0.01	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	20	0.24	0.01	0.24
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	20	0.24	0.03	0.25
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	20	0.24	0.06	0.23
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	20	0.24	0.01	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	20	0.24	0.01	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	20	0.24	0.01	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	20	0.24	0.01	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	20	0.24	0.01	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	20	0.24	0.01	0.24
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	20	0.24	0.03	0.24
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	20	0.24	0.03	0.24
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	20	0.24	0.03	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	20	0.24	0.01	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	20	0.24	0.01	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	20	0.24	0.01	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	20	0.24	0.02	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	20	0.24	0.02	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	20	0.24	0.02	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	20	0.24	0.02	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	20	0.24	0.02	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	20	0.24	0.02	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	20	0.24	0.02	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	20	0.24	0.02	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	20	0.24	0.02	0.24
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	20	0.24	0.02	0.23
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	20	0.24	0.02	0.23
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	20	0.24	0.02	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	20	0.24	0.03	0.24
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	20	0.23	0.03	0.24
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	20	0.23	0.01	0.23
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	20	0.23	0.01	0.23
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	20	0.23	0.01	0.23
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	20	0.23	0.03	0.24
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	20	0.23	0.03	0.24
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	20	0.23	0.03	0.24
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	20	0.23	0.01	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	20	0.23	0.01	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	20	0.23	0.01	0.23
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	20	0.23	0.04	0.24
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	20	0.23	0.0	0.23
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	20	0.23	0.02	0.23
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	20	0.23	0.03	0.24
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	20	0.23	0.03	0.24
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	20	0.23	0.01	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	20	0.23	0.01	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	20	0.23	0.01	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	20	0.23	0.01	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	20	0.23	0.01	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	20	0.23	0.01	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	20	0.23	0.01	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	20	0.23	0.01	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	20	0.23	0.01	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	20	0.23	0.01	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	20	0.23	0.01	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	20	0.23	0.01	0.23
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	20	0.23	0.03	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	20	0.23	0.0	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	20	0.23	0.0	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	20	0.23	0.0	0.23
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	20	0.23	0.03	0.23
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	20	0.23	0.03	0.23
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	20	0.23	0.03	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	20	0.23	0.0	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	20	0.23	0.0	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	20	0.23	0.0	0.23
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	20	0.23	0.04	0.22
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	20	0.23	0.04	0.22
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	20	0.23	0.04	0.22
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	20	0.22	0.02	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	20	0.22	0.02	0.22
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	20	0.22	0.02	0.22
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	20	0.22	0.01	0.22
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	20	0.22	0.01	0.22
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	20	0.22	0.01	0.22
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	20	0.22	0.03	0.21
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	20	0.22	0.01	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	20	0.22	0.02	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	20	0.22	0.02	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	20	0.22	0.02	0.22
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	20	0.22	0.03	0.23
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	20	0.22	0.04	0.23
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	20	0.22	0.04	0.23
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	20	0.22	0.04	0.23
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	20	0.22	0.01	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	20	0.22	0.01	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	20	0.22	0.01	0.22
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	20	0.22	0.04	0.22
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	20	0.22	0.04	0.22
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	20	0.22	0.04	0.22
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	20	0.21	0.04	0.22
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	20	0.21	0.04	0.22
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	20	0.21	0.04	0.22
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	20	0.21	0.07	0.2
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	20	0.21	0.07	0.2
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	20	0.21	0.07	0.2
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	20	0.21	0.07	0.2
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	20	0.21	0.03	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	20	0.21	0.02	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	20	0.21	0.02	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	20	0.21	0.02	0.21
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	20	0.21	0.14	0.16
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	20	0.21	0.03	0.21
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	20	0.2	0.04	0.21
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	20	0.2	0.06	0.18
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	20	0.2	0.02	0.21
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	20	0.2	0.13	0.14
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	20	0.2	0.13	0.14
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	20	0.2	0.01	0.2
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	20	0.2	0.01	0.2
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	20	0.2	0.01	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	20	0.2	0.01	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	20	0.2	0.01	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	20	0.2	0.01	0.2
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	20	0.2	0.03	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	20	0.2	0.03	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	20	0.2	0.03	0.18
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	20	0.2	0.05	0.2
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	20	0.2	0.05	0.2
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	20	0.2	0.05	0.2
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	20	0.2	0.06	0.18
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	20	0.2	0.06	0.18
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	20	0.2	0.06	0.18
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	20	0.2	0.01	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	20	0.2	0.01	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	20	0.2	0.01	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	20	0.2	0.03	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	20	0.2	0.03	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	20	0.2	0.03	0.2
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	20	0.2	0.01	0.2
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	20	0.2	0.01	0.2
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	20	0.2	0.01	0.2
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	20	0.2	0.03	0.2
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	20	0.19	0.04	0.18
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	20	0.19	0.04	0.18
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	20	0.19	0.04	0.18
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	20	0.19	0.02	0.19
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	20	0.19	0.02	0.19
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	20	0.19	0.02	0.19
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	20	0.19	0.01	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	20	0.19	0.0	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	20	0.19	0.01	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	20	0.19	0.01	0.19
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	20	0.19	0.04	0.18
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	20	0.19	0.04	0.18
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	20	0.19	0.04	0.18
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	20	0.19	0.05	0.21
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	20	0.19	0.05	0.21
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	20	0.19	0.05	0.21
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	20	0.19	0.01	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	20	0.19	0.01	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	20	0.19	0.01	0.19
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	20	0.19	0.03	0.18
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	20	0.19	0.0	0.19

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	20	0.19	0.02	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	20	0.19	0.02	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	20	0.19	0.02	0.19
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	20	0.19	0.04	0.19
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	20	0.19	0.04	0.19
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	20	0.19	0.04	0.19
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	20	0.19	0.03	0.2
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	20	0.19	0.03	0.2
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	20	0.19	0.03	0.2
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	20	0.19	0.01	0.18
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	20	0.18	0.02	0.18
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	20	0.18	0.02	0.18
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	20	0.18	0.02	0.18
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	20	0.18	0.02	0.18
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	20	0.18	0.02	0.18
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	20	0.18	0.06	0.16
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	20	0.18	0.01	0.18
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	20	0.18	0.01	0.18
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	20	0.18	0.01	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	20	0.18	0.0	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	20	0.18	0.0	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	20	0.18	0.0	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	20	0.18	0.01	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	20	0.18	0.01	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	20	0.18	0.01	0.18
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	20	0.18	0.02	0.18
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	20	0.18	0.02	0.18
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	20	0.18	0.02	0.18
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	20	0.18	0.02	0.18
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	20	0.18	0.02	0.18
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	20	0.18	0.02	0.18
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	20	0.18	0.03	0.18
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	20	0.18	0.03	0.18
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	20	0.18	0.03	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	20	0.18	0.01	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	20	0.18	0.01	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	20	0.18	0.01	0.18
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	20	0.18	0.01	0.18
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	20	0.18	0.01	0.18
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	20	0.18	0.01	0.18
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	20	0.17	0.02	0.18
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	20	0.17	0.02	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	20	0.17	0.02	0.18
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	20	0.17	0.02	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	20	0.17	0.02	0.16
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	20	0.17	0.01	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	20	0.17	0.01	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	20	0.17	0.01	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	20	0.17	0.01	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	20	0.17	0.01	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	20	0.17	0.01	0.18
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	20	0.17	0.01	0.17
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	20	0.17	0.02	0.17
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	20	0.17	0.02	0.17
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	20	0.17	0.02	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	20	0.17	0.03	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	20	0.17	0.03	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	20	0.17	0.03	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	20	0.17	0.03	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	20	0.17	0.03	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	20	0.17	0.03	0.17
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	20	0.17	0.03	0.16
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	20	0.17	0.03	0.16
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	20	0.17	0.03	0.16
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	20	0.17	0.01	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	20	0.17	0.01	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	20	0.17	0.01	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	20	0.16	0.02	0.16
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	20	0.16	0.02	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	20	0.16	0.01	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	20	0.16	0.01	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	20	0.16	0.01	0.16
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	20	0.16	0.02	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	20	0.16	0.02	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	20	0.16	0.02	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	20	0.16	0.02	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	20	0.16	0.02	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	20	0.16	0.02	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	20	0.16	0.02	0.16
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	20	0.16	0.01	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	20	0.16	0.01	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	20	0.16	0.01	0.15
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	20	0.16	0.02	0.15
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	20	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	20	0.15	0.0	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	20	0.15	0.0	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	20	0.15	0.0	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	20	0.15	0.0	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	20	0.15	0.0	0.15
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	20	0.15	0.02	0.15
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	20	0.15	0.02	0.15
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	20	0.15	0.02	0.15
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	20	0.15	0.01	0.15
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	20	0.15	0.01	0.15
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	20	0.15	0.01	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	20	0.15	0.02	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	20	0.15	0.02	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	20	0.15	0.02	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	20	0.15	0.02	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	20	0.15	0.02	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	20	0.15	0.02	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	20	0.15	0.02	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	20	0.15	0.02	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	20	0.15	0.02	0.15
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	20	0.15	0.01	0.15
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	20	0.15	0.01	0.15
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	20	0.15	0.01	0.15
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	20	0.15	0.02	0.15
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	20	0.15	0.03	0.14
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	20	0.15	0.03	0.14
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	20	0.15	0.03	0.14
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	20	0.14	0.03	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	20	0.14	0.01	0.14
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	20	0.14	0.02	0.15
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	20	0.14	0.01	0.14
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	20	0.14	0.01	0.14
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	20	0.14	0.01	0.14
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	20	0.14	0.02	0.14
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	20	0.14	0.02	0.13
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	20	0.14	0.02	0.13
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	20	0.13	0.01	0.13
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD12	19	1.61	0.37	1.74
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD13	19	1.61	0.37	1.74
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD11	19	1.61	0.37	1.74
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD12	19	1.61	0.37	1.74
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD11	19	1.61	0.37	1.74

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD13	19	1.61	0.37	1.74
(1,3443)	1:108:A:VAL:HG21	1:112:A:LEU:HD13	19	1.61	0.37	1.74
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD12	19	0.65	0.2	0.66
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD13	19	0.65	0.2	0.66
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD11	19	0.65	0.2	0.66
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD23	19	0.63	0.19	0.52
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD21	19	0.63	0.19	0.52
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD22	19	0.63	0.19	0.52
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB2	19	0.39	0.14	0.38
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB1	19	0.39	0.14	0.38
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB3	19	0.39	0.14	0.38
(1,2662)	1:55:A:VAL:HG22	1:71:A:MET:HB3	19	0.33	0.09	0.33
(1,2662)	1:55:A:VAL:HG23	1:71:A:MET:HB3	19	0.33	0.09	0.33
(1,2662)	1:55:A:VAL:HG21	1:71:A:MET:HB3	19	0.33	0.09	0.33
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	19	0.29	0.05	0.28
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	19	0.29	0.05	0.28
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	19	0.29	0.05	0.28
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	19	0.27	0.07	0.27
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB3	19	0.27	0.07	0.28
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	19	0.27	0.07	0.28
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB1	19	0.27	0.07	0.28
(1,3313)	2:215:B:VAL:HA	2:219:B:ALA:HB3	19	0.27	0.07	0.28
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	19	0.26	0.06	0.24
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	19	0.26	0.03	0.27
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	19	0.25	0.05	0.23
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	19	0.25	0.05	0.23
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	19	0.25	0.05	0.23
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	19	0.24	0.12	0.17
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	19	0.24	0.12	0.17
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	19	0.24	0.12	0.17
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	19	0.24	0.12	0.17
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	19	0.24	0.12	0.17
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	19	0.24	0.12	0.17
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	19	0.23	0.04	0.2
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	19	0.22	0.05	0.23
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	19	0.22	0.05	0.23
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	19	0.21	0.02	0.21
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	19	0.2	0.02	0.2
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	19	0.2	0.02	0.2
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	19	0.2	0.02	0.2
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	19	0.2	0.02	0.2
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	19	0.2	0.02	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	19	0.2	0.02	0.2
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	19	0.19	0.05	0.21
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	19	0.18	0.02	0.19
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	19	0.18	0.03	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	19	0.18	0.03	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	19	0.18	0.03	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	19	0.18	0.03	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	19	0.18	0.03	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	19	0.18	0.03	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	19	0.18	0.03	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	19	0.18	0.03	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	19	0.18	0.03	0.18
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	19	0.17	0.04	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	19	0.17	0.04	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	19	0.17	0.04	0.16
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	19	0.17	0.04	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	19	0.17	0.03	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	19	0.17	0.03	0.16
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	19	0.17	0.05	0.15
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	19	0.17	0.02	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	19	0.17	0.01	0.17
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	19	0.17	0.04	0.16
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	19	0.17	0.04	0.16
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	19	0.17	0.04	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	19	0.16	0.01	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	19	0.16	0.01	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	19	0.16	0.01	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	19	0.16	0.01	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	19	0.16	0.01	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	19	0.16	0.01	0.17
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	19	0.16	0.04	0.13
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	19	0.16	0.04	0.13
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	19	0.16	0.04	0.13
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	19	0.15	0.02	0.15
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	19	0.15	0.03	0.15
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	19	0.15	0.03	0.15
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	19	0.15	0.03	0.15
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	19	0.15	0.03	0.14
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	19	0.15	0.02	0.14
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	19	0.14	0.02	0.14
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	19	0.14	0.03	0.14
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	19	0.14	0.03	0.14
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	19	0.14	0.03	0.14
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	19	0.14	0.02	0.14
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	19	0.14	0.02	0.14
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	19	0.14	0.02	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	19	0.13	0.01	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	19	0.13	0.01	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	19	0.13	0.01	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	19	0.13	0.01	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	19	0.13	0.01	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	19	0.13	0.01	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	19	0.13	0.01	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	19	0.13	0.01	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	19	0.13	0.01	0.14
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	19	0.13	0.03	0.12
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	19	0.13	0.02	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	19	0.13	0.01	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	19	0.13	0.0	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	19	0.13	0.0	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	19	0.13	0.0	0.13
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	19	0.13	0.01	0.13
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	19	0.13	0.01	0.13
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	19	0.13	0.01	0.13
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	19	0.13	0.01	0.13
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	19	0.12	0.01	0.13
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	19	0.12	0.01	0.13
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	19	0.12	0.01	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	19	0.12	0.01	0.13
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	19	0.12	0.01	0.13
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	19	0.12	0.01	0.13
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	19	0.11	0.01	0.11
(1,3421)	2:215:B:VAL:HG12	1:145:A:MET:HE1	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG12	1:144:A:MET:HE1	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG13	1:145:A:MET:HE3	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG12	1:145:A:MET:HE3	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG11	1:144:A:MET:HE1	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG11	1:145:A:MET:HE1	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG11	1:145:A:MET:HE2	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG13	1:144:A:MET:HE2	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG11	1:144:A:MET:HE2	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG13	1:145:A:MET:HE2	18	2.48	0.8	2.66
(1,3421)	2:215:B:VAL:HG12	1:145:A:MET:HE2	18	2.48	0.8	2.66
(1,3339)	2:204:B:PHE:HB3	1:32:A:LEU:HD23	18	1.22	0.45	1.25
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD13	18	1.22	0.45	1.25
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD12	18	1.22	0.45	1.25
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD11	18	1.22	0.45	1.25
(1,3339)	2:204:B:PHE:HB2	2:203:B:VAL:HG21	18	1.22	0.45	1.25
(1,3339)	2:204:B:PHE:HB2	2:203:B:VAL:HG23	18	1.22	0.45	1.25
(1,915)	1:86:A:ARG:H	1:84:A:GLU:HG3	18	0.9	0.39	0.87
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	18	0.9	0.39	0.87
(1,915)	1:86:A:ARG:H	1:84:A:GLU:HG2	18	0.9	0.39	0.87
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG3	18	0.9	0.39	0.87
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD21	18	0.7	0.04	0.71
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	18	0.7	0.04	0.71
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD23	18	0.7	0.04	0.71
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD21	18	0.59	0.07	0.58
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	18	0.59	0.07	0.58
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD23	18	0.59	0.07	0.58
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD11	18	0.49	0.33	0.38
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD12	18	0.49	0.33	0.38
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD13	18	0.49	0.33	0.38
(1,3344)	2:204:B:PHE:HD2	1:39:A:LEU:HD13	18	0.49	0.33	0.38
(1,3344)	2:204:B:PHE:HD2	1:39:A:LEU:HD11	18	0.49	0.33	0.38
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB2	18	0.46	0.18	0.48
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	18	0.46	0.18	0.48
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG21	18	0.46	0.26	0.39
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG23	18	0.46	0.26	0.39
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG22	18	0.46	0.26	0.39
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	18	0.3	0.02	0.3

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	18	0.3	0.02	0.3
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	18	0.3	0.02	0.3
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	18	0.29	0.02	0.29
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	18	0.28	0.07	0.3
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	18	0.28	0.07	0.3
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	18	0.28	0.07	0.3
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	18	0.28	0.02	0.28
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	18	0.26	0.01	0.27
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	18	0.25	0.07	0.27
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	18	0.24	0.01	0.25
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	18	0.24	0.0	0.24
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	18	0.24	0.09	0.23
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	18	0.23	0.02	0.22
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	18	0.23	0.02	0.22
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	18	0.23	0.02	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	18	0.22	0.06	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	18	0.22	0.06	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	18	0.22	0.06	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	18	0.22	0.06	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	18	0.22	0.06	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	18	0.22	0.06	0.22
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	18	0.21	0.07	0.2
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	18	0.21	0.07	0.2
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	18	0.21	0.07	0.2
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	18	0.21	0.06	0.22
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	18	0.2	0.05	0.2
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	18	0.2	0.05	0.2
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	18	0.2	0.05	0.2
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	18	0.19	0.04	0.2
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	18	0.19	0.04	0.2
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	18	0.19	0.04	0.2
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	18	0.19	0.04	0.2
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	18	0.19	0.04	0.2
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	18	0.19	0.04	0.2
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	18	0.19	0.03	0.18
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	18	0.19	0.03	0.18
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	18	0.19	0.03	0.18
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	18	0.19	0.03	0.18
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	18	0.19	0.03	0.18
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	18	0.19	0.03	0.18
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	18	0.19	0.03	0.18
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	18	0.19	0.03	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	18	0.19	0.03	0.18
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	18	0.18	0.04	0.18
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	18	0.18	0.04	0.18
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	18	0.18	0.04	0.18
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	18	0.18	0.05	0.18
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	18	0.18	0.05	0.18
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	18	0.18	0.04	0.17
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	18	0.18	0.04	0.17
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	18	0.17	0.07	0.14
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	18	0.17	0.07	0.14
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	18	0.17	0.07	0.14
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	18	0.17	0.03	0.17
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	18	0.17	0.03	0.17
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	18	0.17	0.01	0.16
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	18	0.17	0.01	0.16
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	18	0.17	0.01	0.16
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	18	0.17	0.02	0.16
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	18	0.17	0.02	0.16
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	18	0.17	0.02	0.16
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	18	0.16	0.04	0.15
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	18	0.16	0.04	0.15
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	18	0.16	0.04	0.15
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	18	0.15	0.03	0.16
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	18	0.15	0.02	0.14
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	18	0.14	0.02	0.14
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	18	0.14	0.02	0.14
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	18	0.14	0.02	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	18	0.14	0.02	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	18	0.14	0.02	0.14
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	18	0.14	0.02	0.14
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	18	0.14	0.02	0.13
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	18	0.12	0.01	0.12
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD12	17	0.91	0.52	0.88
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD13	17	0.91	0.52	0.88
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD11	17	0.91	0.52	0.88
(1,3084)	1:124:A:MET:HG2	1:116:A:LEU:HD23	17	0.91	0.52	0.88
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD21	17	0.91	0.52	0.88
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD22	17	0.91	0.52	0.88
(1,3084)	1:124:A:MET:HG2	1:116:A:LEU:HD22	17	0.91	0.52	0.88
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD23	17	0.91	0.52	0.88
(1,3084)	1:124:A:MET:HG2	1:116:A:LEU:HD21	17	0.91	0.52	0.88
(1,3408)	1:144:A:MET:HE3	1:136:A:VAL:HG22	17	0.82	0.53	0.67

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3408)	1:144:A:MET:HE3	1:136:A:VAL:HG21	17	0.82	0.53	0.67
(1,3408)	1:144:A:MET:HE1	1:136:A:VAL:HG21	17	0.82	0.53	0.67
(1,3408)	1:144:A:MET:HE1	1:136:A:VAL:HG22	17	0.82	0.53	0.67
(1,3408)	1:144:A:MET:HE2	1:136:A:VAL:HG23	17	0.82	0.53	0.67
(1,3408)	1:144:A:MET:HE2	1:136:A:VAL:HG21	17	0.82	0.53	0.67
(1,3408)	1:144:A:MET:HE2	2:215:B:VAL:HG21	17	0.82	0.53	0.67
(1,3408)	1:144:A:MET:HE1	1:136:A:VAL:HG23	17	0.82	0.53	0.67
(1,3408)	1:144:A:MET:HE1	2:215:B:VAL:HG22	17	0.82	0.53	0.67
(1,3408)	1:144:A:MET:HE3	2:215:B:VAL:HG12	17	0.82	0.53	0.67
(1,3408)	1:144:A:MET:HE3	1:136:A:VAL:HG23	17	0.82	0.53	0.67
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	17	0.34	0.02	0.34
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	17	0.33	0.02	0.33
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD11	17	0.3	0.1	0.3
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD12	17	0.3	0.1	0.3
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD13	17	0.3	0.1	0.3
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	17	0.3	0.02	0.3
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	17	0.3	0.02	0.3
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	17	0.3	0.03	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	17	0.3	0.03	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	17	0.3	0.03	0.31
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	17	0.28	0.05	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	17	0.28	0.05	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	17	0.28	0.05	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	17	0.28	0.05	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	17	0.28	0.05	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	17	0.28	0.05	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	17	0.28	0.05	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	17	0.28	0.05	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	17	0.28	0.05	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	17	0.27	0.01	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	17	0.27	0.01	0.27
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	17	0.27	0.08	0.27
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	17	0.26	0.03	0.28
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	17	0.26	0.03	0.28
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	17	0.26	0.03	0.28
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	17	0.24	0.06	0.21
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	17	0.24	0.06	0.21
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	17	0.24	0.06	0.21
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	17	0.19	0.05	0.19
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	17	0.18	0.03	0.18
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	17	0.18	0.03	0.18
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	17	0.18	0.03	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	17	0.17	0.04	0.16
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	17	0.17	0.04	0.16
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	17	0.17	0.04	0.16
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	17	0.17	0.04	0.16
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	17	0.17	0.04	0.16
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	17	0.17	0.04	0.16
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	17	0.17	0.04	0.18
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	17	0.17	0.04	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	17	0.17	0.04	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	17	0.17	0.04	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	17	0.17	0.04	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	17	0.17	0.04	0.18
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	17	0.17	0.03	0.16
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	17	0.17	0.03	0.16
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	17	0.16	0.01	0.17
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	17	0.16	0.04	0.16
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	17	0.16	0.04	0.16
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	17	0.16	0.04	0.16
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	17	0.15	0.04	0.14
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	17	0.15	0.04	0.14
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	17	0.15	0.04	0.14
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	17	0.14	0.02	0.13
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	17	0.14	0.02	0.14
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	17	0.14	0.02	0.13
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	17	0.14	0.02	0.13
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	17	0.14	0.02	0.13
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	17	0.12	0.02	0.11
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	17	0.12	0.02	0.12
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	17	0.12	0.02	0.12
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	17	0.12	0.02	0.12
(1,3319)	2:201:B:MET:HB2	2:203:B:VAL:HG22	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB3	1:39:A:LEU:HD13	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB2	1:35:A:VAL:HG12	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB2	1:35:A:VAL:HG13	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB2	1:39:A:LEU:HD12	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB3	2:203:B:VAL:HG21	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB2	1:39:A:LEU:HD13	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB3	1:39:A:LEU:HD11	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB2	2:203:B:VAL:HG23	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB3	1:39:A:LEU:HD12	16	0.99	0.46	0.9
(1,3319)	2:201:B:MET:HB2	1:35:A:VAL:HG11	16	0.99	0.46	0.9
(1,2592)	1:35:A:VAL:HG21	2:204:B:PHE:HE2	16	0.98	0.36	1.0

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2592)	1:35:A:VAL:HG22	2:204:B:PHE:HE2	16	0.98	0.36	1.0
(1,2592)	1:35:A:VAL:HG23	2:204:B:PHE:HE2	16	0.98	0.36	1.0
(1,2592)	1:35:A:VAL:HG22	2:204:B:PHE:HZ	16	0.98	0.36	1.0
(1,2592)	1:35:A:VAL:HG21	2:204:B:PHE:HE1	16	0.98	0.36	1.0
(1,2592)	1:35:A:VAL:HG23	2:204:B:PHE:HE1	16	0.98	0.36	1.0
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD11	16	0.4	0.05	0.4
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HG12	16	0.4	0.05	0.4
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD12	16	0.4	0.05	0.4
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD13	16	0.4	0.05	0.4
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HG12	16	0.39	0.05	0.38
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD11	16	0.39	0.05	0.38
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD12	16	0.39	0.05	0.38
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD13	16	0.39	0.05	0.38
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG23	16	0.39	0.15	0.4
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD12	16	0.39	0.15	0.4
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG22	16	0.39	0.15	0.4
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG21	16	0.39	0.15	0.4
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD13	16	0.39	0.15	0.4
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD11	16	0.39	0.15	0.4
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	16	0.28	0.1	0.25
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	16	0.28	0.1	0.25
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	16	0.28	0.1	0.25
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	16	0.28	0.06	0.27
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	16	0.28	0.06	0.27
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	16	0.28	0.06	0.27
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	16	0.19	0.03	0.2
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	16	0.19	0.03	0.19
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	16	0.17	0.04	0.18
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	16	0.17	0.03	0.17
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	16	0.17	0.03	0.17
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	16	0.17	0.03	0.17
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	16	0.16	0.04	0.16
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	16	0.16	0.04	0.16
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	16	0.16	0.04	0.16
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	16	0.15	0.02	0.16
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	16	0.15	0.02	0.16
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	16	0.15	0.03	0.16
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	16	0.15	0.05	0.13
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	16	0.15	0.05	0.13
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	16	0.15	0.05	0.13
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	16	0.15	0.03	0.16
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	16	0.15	0.03	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	16	0.15	0.03	0.16
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	16	0.15	0.03	0.16
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	16	0.15	0.03	0.16
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	16	0.15	0.03	0.16
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	16	0.15	0.03	0.16
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	16	0.15	0.03	0.16
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	16	0.15	0.03	0.16
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	16	0.15	0.03	0.15
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	16	0.13	0.02	0.12
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	16	0.13	0.02	0.12
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	16	0.13	0.02	0.12
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	16	0.11	0.01	0.11
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	16	0.11	0.01	0.11
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	16	0.11	0.01	0.11
(1,3437)	1:39:A:LEU:HD23	1:91:A:VAL:HG11	15	0.81	0.28	0.87
(1,3437)	1:39:A:LEU:HD21	1:91:A:VAL:HG11	15	0.81	0.28	0.87
(1,3437)	1:112:A:LEU:HD21	1:91:A:VAL:HG13	15	0.81	0.28	0.87
(1,3437)	1:39:A:LEU:HD23	1:91:A:VAL:HG12	15	0.81	0.28	0.87
(1,3437)	1:112:A:LEU:HD22	1:91:A:VAL:HG11	15	0.81	0.28	0.87
(1,3437)	1:112:A:LEU:HD23	1:91:A:VAL:HG12	15	0.81	0.28	0.87
(1,3437)	1:112:A:LEU:HD21	1:91:A:VAL:HG12	15	0.81	0.28	0.87
(1,3437)	1:112:A:LEU:HD23	1:91:A:VAL:HG13	15	0.81	0.28	0.87
(1,3437)	1:39:A:LEU:HD21	1:91:A:VAL:HG12	15	0.81	0.28	0.87
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	15	0.73	0.18	0.8
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	15	0.28	0.08	0.26
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	15	0.28	0.08	0.26
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	15	0.28	0.08	0.26
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	15	0.24	0.09	0.22
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	15	0.24	0.09	0.22
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	15	0.2	0.06	0.22
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	15	0.19	0.05	0.2
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	15	0.19	0.05	0.2
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	15	0.16	0.08	0.12
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	15	0.14	0.03	0.13
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	15	0.14	0.04	0.13
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	15	0.14	0.04	0.13
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	15	0.14	0.04	0.13
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	15	0.14	0.03	0.13
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	15	0.13	0.01	0.13
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	15	0.13	0.01	0.13
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	15	0.13	0.01	0.13
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	15	0.12	0.03	0.11

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	15	0.12	0.03	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	15	0.12	0.02	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	15	0.12	0.02	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	15	0.12	0.02	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	15	0.12	0.02	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	15	0.12	0.02	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	15	0.12	0.02	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	15	0.12	0.02	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	15	0.12	0.02	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	15	0.12	0.02	0.12
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	15	0.12	0.01	0.11
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	15	0.12	0.01	0.11
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	15	0.12	0.01	0.11
(1,3411)	1:145:A:MET:HE1	2:215:B:VAL:HG21	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE3	2:216:B:VAL:HG22	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE3	2:215:B:VAL:HG12	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE1	2:215:B:VAL:HG11	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE3	2:215:B:VAL:HG21	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE2	2:215:B:VAL:HG23	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE1	2:216:B:VAL:HG13	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE2	2:216:B:VAL:HG13	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE2	2:215:B:VAL:HG21	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE3	2:215:B:VAL:HG23	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE2	2:215:B:VAL:HG11	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE2	2:216:B:VAL:HG21	14	2.41	1.58	1.78
(1,3411)	1:145:A:MET:HE2	2:215:B:VAL:HG12	14	2.41	1.58	1.78
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HD13	14	1.02	0.45	0.88
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HD11	14	1.02	0.45	0.88
(1,3010)	1:144:A:MET:HE1	1:100:A:ILE:HG12	14	1.02	0.45	0.88
(1,3010)	1:144:A:MET:HE1	1:100:A:ILE:HD13	14	1.02	0.45	0.88
(1,3010)	1:144:A:MET:HE2	1:100:A:ILE:HD13	14	1.02	0.45	0.88
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HG12	14	1.02	0.45	0.88
(1,3010)	1:144:A:MET:HE2	1:100:A:ILE:HG12	14	1.02	0.45	0.88
(1,3010)	1:144:A:MET:HE1	1:100:A:ILE:HD12	14	1.02	0.45	0.88
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HD12	14	1.02	0.45	0.88
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG23	14	0.56	0.29	0.5
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG21	14	0.56	0.29	0.5
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG22	14	0.56	0.29	0.5
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	14	0.29	0.06	0.28
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	14	0.27	0.12	0.22
(1,3345)	2:204:B:PHE:HD1	1:19:A:PHE:HE2	14	0.27	0.12	0.22
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE1	14	0.27	0.12	0.22

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	14	0.27	0.11	0.3
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	14	0.22	0.08	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	14	0.22	0.08	0.28
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	14	0.22	0.09	0.18
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	14	0.22	0.09	0.18
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	14	0.22	0.09	0.18
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	14	0.18	0.04	0.21
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	14	0.16	0.04	0.16
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	14	0.16	0.03	0.16
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	14	0.16	0.03	0.16
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	14	0.16	0.03	0.16
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	14	0.14	0.02	0.14
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	14	0.14	0.02	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	14	0.14	0.02	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	14	0.14	0.02	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	14	0.14	0.02	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	14	0.14	0.02	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	14	0.14	0.02	0.13
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	14	0.13	0.0	0.13
(1,2903)	1:121:A:VAL:HG13	1:106:A:ARG:HB2	13	0.89	0.19	0.99
(1,2903)	1:121:A:VAL:HG12	1:106:A:ARG:HB2	13	0.89	0.19	0.99
(1,2903)	1:121:A:VAL:HG11	1:106:A:ARG:HB2	13	0.89	0.19	0.99
(1,3324)	2:201:B:MET:HG3	1:39:A:LEU:HD12	13	0.79	0.45	0.75
(1,3324)	2:201:B:MET:HG2	1:39:A:LEU:HD13	13	0.79	0.45	0.75
(1,3324)	2:201:B:MET:HG2	1:39:A:LEU:HD12	13	0.79	0.45	0.75
(1,3324)	2:201:B:MET:HG2	2:203:B:VAL:HG21	13	0.79	0.45	0.75
(1,3324)	2:201:B:MET:HG2	1:39:A:LEU:HD11	13	0.79	0.45	0.75
(1,3324)	2:201:B:MET:HG3	1:39:A:LEU:HD13	13	0.79	0.45	0.75
(1,3324)	2:201:B:MET:HG3	1:39:A:LEU:HD11	13	0.79	0.45	0.75
(1,3322)	2:201:B:MET:HG3	2:204:B:PHE:HD1	13	0.64	0.3	0.51
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD2	13	0.64	0.3	0.51
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD1	13	0.64	0.3	0.51
(1,3322)	2:201:B:MET:HG3	2:204:B:PHE:HD2	13	0.64	0.3	0.51
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	13	0.24	0.07	0.27
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD22	13	0.24	0.09	0.22
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD23	13	0.24	0.09	0.22
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD21	13	0.24	0.09	0.22
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	13	0.22	0.1	0.2
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	13	0.21	0.26	0.14
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	13	0.21	0.26	0.14
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	13	0.21	0.26	0.14
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	13	0.21	0.06	0.23

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,214)	1:20:A:ASP:H	1:19:A:PHE:HD1	13	0.21	0.06	0.23
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	13	0.2	0.08	0.2
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	13	0.17	0.04	0.18
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	13	0.17	0.04	0.18
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	13	0.17	0.04	0.18
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	13	0.17	0.05	0.17
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	13	0.16	0.03	0.16
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	13	0.16	0.03	0.16
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	13	0.16	0.03	0.16
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	13	0.16	0.03	0.16
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	13	0.16	0.03	0.16
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	13	0.16	0.03	0.16
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	13	0.16	0.03	0.16
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	13	0.16	0.03	0.16
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	13	0.16	0.03	0.16
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	13	0.15	0.08	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	13	0.15	0.08	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	13	0.15	0.08	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	13	0.15	0.08	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	13	0.15	0.08	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	13	0.15	0.08	0.12
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	13	0.15	0.03	0.14
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	13	0.14	0.04	0.13
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	13	0.14	0.04	0.13
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	13	0.14	0.04	0.13
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	13	0.14	0.02	0.14
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	13	0.12	0.01	0.12
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	13	0.12	0.02	0.11
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	13	0.12	0.02	0.11
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	13	0.12	0.02	0.11
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	13	0.11	0.01	0.11
(1,3326)	2:205:B:MET:HE3	2:208:B:LEU:HD12	12	1.57	0.59	1.46
(1,3326)	2:205:B:MET:HE3	1:35:A:VAL:HG12	12	1.57	0.59	1.46
(1,3326)	2:201:B:MET:HE3	1:39:A:LEU:HD11	12	1.57	0.59	1.46
(1,3326)	2:205:B:MET:HE3	2:208:B:LEU:HD13	12	1.57	0.59	1.46
(1,3326)	2:205:B:MET:HE3	2:208:B:LEU:HD11	12	1.57	0.59	1.46
(1,3326)	2:205:B:MET:HE3	1:35:A:VAL:HG11	12	1.57	0.59	1.46
(1,3326)	2:205:B:MET:HE1	2:208:B:LEU:HD11	12	1.57	0.59	1.46
(1,3326)	2:205:B:MET:HE2	1:35:A:VAL:HG12	12	1.57	0.59	1.46
(1,3326)	2:205:B:MET:HE3	1:35:A:VAL:HG13	12	1.57	0.59	1.46
(1,2843)	1:105:A:LEU:HD22	1:100:A:ILE:HG23	12	1.04	0.53	1.32
(1,2843)	1:105:A:LEU:HD23	1:100:A:ILE:HG22	12	1.04	0.53	1.32

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2843)	1:105:A:LEU:HD22	1:100:A:ILE:HG22	12	1.04	0.53	1.32
(1,2843)	1:105:A:LEU:HD21	1:100:A:ILE:HG22	12	1.04	0.53	1.32
(1,2843)	1:105:A:LEU:HD21	1:108:A:VAL:HG12	12	1.04	0.53	1.32
(1,2843)	1:105:A:LEU:HD23	1:100:A:ILE:HG21	12	1.04	0.53	1.32
(1,2843)	1:105:A:LEU:HD22	1:100:A:ILE:HG21	12	1.04	0.53	1.32
(1,2843)	1:105:A:LEU:HD21	1:100:A:ILE:HG21	12	1.04	0.53	1.32
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD21	12	0.9	0.1	0.88
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD22	12	0.9	0.1	0.88
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD23	12	0.9	0.1	0.88
(1,3406)	1:124:A:MET:HE3	1:121:A:VAL:HG21	12	0.76	0.41	0.66
(1,3406)	1:124:A:MET:HE2	1:121:A:VAL:HG22	12	0.76	0.41	0.66
(1,3406)	1:124:A:MET:HE1	1:121:A:VAL:HG22	12	0.76	0.41	0.66
(1,3406)	1:124:A:MET:HE2	1:121:A:VAL:HG21	12	0.76	0.41	0.66
(1,3406)	1:124:A:MET:HE2	1:121:A:VAL:HG23	12	0.76	0.41	0.66
(1,3406)	1:124:A:MET:HE3	1:121:A:VAL:HG22	12	0.76	0.41	0.66
(1,3406)	1:124:A:MET:HE1	1:121:A:VAL:HG21	12	0.76	0.41	0.66
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD11	12	0.5	0.12	0.53
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD13	12	0.5	0.12	0.53
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD12	12	0.5	0.12	0.53
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	12	0.34	0.01	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	12	0.34	0.01	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	12	0.34	0.01	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	12	0.34	0.01	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	12	0.34	0.01	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	12	0.34	0.01	0.34
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD11	12	0.32	0.22	0.26
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD12	12	0.32	0.22	0.26
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD13	12	0.32	0.22	0.26
(1,1210)	1:110:A:THR:H	1:116:A:LEU:HD13	12	0.32	0.22	0.26
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	12	0.3	0.02	0.3
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	12	0.23	0.1	0.23
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	12	0.23	0.1	0.23
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	12	0.23	0.1	0.23
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	12	0.23	0.1	0.23
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	12	0.23	0.1	0.23
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	12	0.23	0.1	0.23
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	12	0.23	0.1	0.23
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	12	0.23	0.1	0.23
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	12	0.23	0.1	0.23
(1,2707)	1:63:A:ILE:HD12	1:52:A:ILE:H	12	0.22	0.07	0.21
(1,2707)	1:63:A:ILE:HD13	1:52:A:ILE:H	12	0.22	0.07	0.21
(1,2707)	1:63:A:ILE:HD11	1:52:A:ILE:H	12	0.22	0.07	0.21

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	12	0.18	0.05	0.18
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	12	0.18	0.05	0.18
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	12	0.18	0.05	0.18
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	12	0.17	0.06	0.16
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	12	0.16	0.02	0.16
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	12	0.15	0.03	0.15
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	12	0.15	0.03	0.15
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	12	0.15	0.03	0.15
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	12	0.14	0.03	0.14
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	12	0.14	0.03	0.14
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	12	0.14	0.03	0.14
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	12	0.14	0.03	0.14
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	12	0.14	0.04	0.12
(1,3378)	2:208:B:LEU:HD22	1:19:A:PHE:HE1	11	1.3	0.55	1.46
(1,3378)	2:208:B:LEU:HD23	1:92:A:PHE:HE1	11	1.3	0.55	1.46
(1,3378)	2:208:B:LEU:HD21	1:19:A:PHE:HE1	11	1.3	0.55	1.46
(1,3378)	2:208:B:LEU:HD23	1:19:A:PHE:HE2	11	1.3	0.55	1.46
(1,3378)	2:208:B:LEU:HD23	1:92:A:PHE:HE2	11	1.3	0.55	1.46
(1,3378)	2:208:B:LEU:HD21	1:92:A:PHE:HE2	11	1.3	0.55	1.46
(1,3419)	2:208:B:LEU:HD21	2:212:B:LYS:HD3	11	0.94	0.32	1.07
(1,3419)	2:208:B:LEU:HD23	2:212:B:LYS:HD3	11	0.94	0.32	1.07
(1,3419)	2:208:B:LEU:HD21	2:212:B:LYS:HD2	11	0.94	0.32	1.07
(1,3419)	2:208:B:LEU:HD22	2:212:B:LYS:HD3	11	0.94	0.32	1.07
(1,3419)	2:208:B:LEU:HD22	2:212:B:LYS:HD2	11	0.94	0.32	1.07
(1,3419)	2:208:B:LEU:HD23	2:212:B:LYS:HD2	11	0.94	0.32	1.07
(1,3418)	2:208:B:LEU:HD21	2:212:B:LYS:HD3	11	0.92	0.32	1.05
(1,3418)	2:208:B:LEU:HD23	2:212:B:LYS:HD3	11	0.92	0.32	1.05
(1,3418)	2:208:B:LEU:HD21	2:212:B:LYS:HD2	11	0.92	0.32	1.05
(1,3418)	2:208:B:LEU:HD22	2:212:B:LYS:HD3	11	0.92	0.32	1.05
(1,3418)	2:208:B:LEU:HD22	2:212:B:LYS:HD2	11	0.92	0.32	1.05
(1,3418)	2:208:B:LEU:HD23	2:212:B:LYS:HD2	11	0.92	0.32	1.05
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG12	11	0.72	0.2	0.8
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG23	11	0.72	0.2	0.8
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG21	11	0.72	0.2	0.8
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG22	11	0.72	0.2	0.8
(1,2630)	1:51:A:MET:HE1	1:48:A:LEU:HD21	11	0.67	0.48	0.57
(1,2630)	1:51:A:MET:HE2	1:48:A:LEU:HD21	11	0.67	0.48	0.57
(1,2630)	1:51:A:MET:HE3	1:32:A:LEU:HD23	11	0.67	0.48	0.57
(1,2630)	1:51:A:MET:HE3	1:48:A:LEU:HD22	11	0.67	0.48	0.57
(1,2630)	1:51:A:MET:HE3	1:32:A:LEU:HD22	11	0.67	0.48	0.57
(1,2630)	1:51:A:MET:HE2	1:48:A:LEU:HD22	11	0.67	0.48	0.57
(1,2630)	1:51:A:MET:HE1	1:48:A:LEU:HD22	11	0.67	0.48	0.57

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2630)	1:51:A:MET:HE3	1:48:A:LEU:HD21	11	0.67	0.48	0.57
(1,3346)	2:204:B:PHE:HE2	1:39:A:LEU:HD13	11	0.36	0.17	0.3
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD12	11	0.36	0.17	0.3
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD13	11	0.36	0.17	0.3
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD11	11	0.36	0.17	0.3
(1,3346)	2:204:B:PHE:HE2	1:35:A:VAL:HG11	11	0.36	0.17	0.3
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	11	0.34	0.02	0.34
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB3	11	0.34	0.17	0.3
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB2	11	0.34	0.17	0.3
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	11	0.3	0.05	0.32
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	11	0.3	0.05	0.32
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	11	0.3	0.05	0.32
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	11	0.25	0.03	0.24
(1,2657)	1:55:A:VAL:HG22	1:63:A:ILE:HG21	11	0.2	0.08	0.17
(1,2657)	1:55:A:VAL:HG23	1:63:A:ILE:HG21	11	0.2	0.08	0.17
(1,2657)	1:55:A:VAL:HG21	1:63:A:ILE:HG21	11	0.2	0.08	0.17
(1,2657)	1:55:A:VAL:HG22	1:63:A:ILE:HG23	11	0.2	0.08	0.17
(1,2657)	1:55:A:VAL:HG21	1:63:A:ILE:HG22	11	0.2	0.08	0.17
(1,2657)	1:55:A:VAL:HG23	1:63:A:ILE:HG22	11	0.2	0.08	0.17
(1,2657)	1:55:A:VAL:HG21	1:63:A:ILE:HG23	11	0.2	0.08	0.17
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	11	0.2	0.03	0.21
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	11	0.2	0.03	0.21
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	11	0.2	0.03	0.19
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	11	0.2	0.03	0.19
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	11	0.2	0.03	0.19
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	11	0.2	0.03	0.19
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	11	0.2	0.03	0.19
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	11	0.2	0.03	0.19
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	11	0.2	0.03	0.19
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	11	0.2	0.03	0.19
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	11	0.2	0.03	0.19
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	11	0.2	0.04	0.2
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	11	0.2	0.04	0.2
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	11	0.2	0.04	0.2
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	11	0.2	0.04	0.2
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	11	0.2	0.04	0.2
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	11	0.2	0.04	0.2
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	11	0.19	0.03	0.18
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	11	0.19	0.03	0.18
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	11	0.17	0.01	0.17
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	11	0.16	0.02	0.16
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	11	0.16	0.02	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	11	0.14	0.03	0.15
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	11	0.14	0.03	0.15
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	11	0.14	0.03	0.15
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	11	0.14	0.03	0.14
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	11	0.14	0.03	0.14
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	11	0.13	0.01	0.13
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	11	0.13	0.01	0.13
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	11	0.13	0.01	0.13
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	11	0.12	0.01	0.11
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	11	0.12	0.01	0.12
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	11	0.11	0.01	0.1
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	11	0.1	0.01	0.1
(1,3410)	1:145:A:MET:HE1	1:128:A:ALA:HB2	10	1.3	0.78	1.32
(1,3410)	1:145:A:MET:HE3	2:217:B:ALA:HB3	10	1.3	0.78	1.32
(1,3410)	1:145:A:MET:HE3	1:128:A:ALA:HB1	10	1.3	0.78	1.32
(1,3410)	1:145:A:MET:HE3	1:128:A:ALA:HB2	10	1.3	0.78	1.32
(1,3410)	1:145:A:MET:HE1	1:128:A:ALA:HB3	10	1.3	0.78	1.32
(1,3410)	1:145:A:MET:HE2	1:128:A:ALA:HB3	10	1.3	0.78	1.32
(1,3367)	2:205:B:MET:HE2	1:68:A:PHE:HE1	10	0.47	0.24	0.39
(1,3367)	2:205:B:MET:HE3	1:68:A:PHE:HE1	10	0.47	0.24	0.39
(1,3367)	2:205:B:MET:HE1	1:68:A:PHE:HE1	10	0.47	0.24	0.39
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	10	0.32	0.21	0.32
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	10	0.32	0.21	0.32
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	10	0.19	0.03	0.2
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	10	0.16	0.06	0.14
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	10	0.16	0.06	0.14
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	10	0.16	0.06	0.14
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	10	0.16	0.02	0.17
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	10	0.16	0.02	0.17
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	10	0.16	0.05	0.15
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	10	0.16	0.05	0.15
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	10	0.16	0.05	0.15
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	10	0.16	0.05	0.15
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	10	0.16	0.05	0.15
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	10	0.16	0.05	0.15
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG21	10	0.16	0.06	0.14
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG22	10	0.16	0.06	0.14
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG23	10	0.16	0.06	0.14
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	10	0.16	0.04	0.16
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	10	0.16	0.04	0.16
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	10	0.16	0.04	0.16
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	10	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	10	0.15	0.02	0.15
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	10	0.15	0.02	0.15
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	10	0.15	0.03	0.15
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	10	0.15	0.03	0.15
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	10	0.15	0.03	0.15
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	10	0.15	0.03	0.15
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	10	0.15	0.03	0.15
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	10	0.15	0.03	0.15
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	10	0.15	0.04	0.14
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	10	0.15	0.04	0.14
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	10	0.15	0.04	0.14
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	10	0.15	0.04	0.14
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	10	0.15	0.04	0.14
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	10	0.15	0.04	0.14
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	10	0.15	0.03	0.13
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	10	0.12	0.01	0.11
(1,3128)	1:65:A:PHE:HD2	1:65:A:PHE:H	10	0.11	0.01	0.12
(1,3128)	1:65:A:PHE:HD1	1:65:A:PHE:H	10	0.11	0.01	0.12
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	10	0.11	0.01	0.11
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	10	0.11	0.01	0.11
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	10	0.11	0.01	0.11
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE1	9	0.57	0.37	0.64
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE3	9	0.57	0.37	0.64
(1,3260)	2:215:B:VAL:H	1:144:A:MET:HE1	9	0.57	0.37	0.64
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE2	9	0.57	0.37	0.64
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	9	0.32	0.03	0.3
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	9	0.29	0.06	0.31
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	9	0.26	0.15	0.28
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	9	0.26	0.15	0.28
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	9	0.25	0.05	0.27
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	9	0.24	0.1	0.21
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	9	0.23	0.08	0.28
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	9	0.22	0.08	0.21
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	9	0.22	0.08	0.21
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	9	0.22	0.08	0.21
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	9	0.19	0.01	0.19
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	9	0.19	0.01	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	9	0.19	0.01	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	9	0.19	0.01	0.19
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	9	0.19	0.01	0.19
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	9	0.19	0.01	0.19
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	9	0.19	0.07	0.18

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	9	0.17	0.04	0.17
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	9	0.17	0.04	0.17
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	9	0.17	0.04	0.17
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	9	0.17	0.02	0.17
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	9	0.17	0.02	0.17
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	9	0.17	0.04	0.19
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	9	0.17	0.04	0.19
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	9	0.17	0.04	0.19
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	9	0.16	0.05	0.16
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	9	0.15	0.02	0.15
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	9	0.15	0.02	0.15
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	9	0.14	0.03	0.14
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	9	0.14	0.02	0.13
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	9	0.14	0.02	0.13
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	9	0.12	0.01	0.13
(1,2850)	1:105:A:LEU:HD22	1:100:A:ILE:HD13	8	1.02	0.17	0.98
(1,2850)	1:105:A:LEU:HD23	1:100:A:ILE:HD11	8	1.02	0.17	0.98
(1,2850)	1:105:A:LEU:HD21	1:100:A:ILE:HD13	8	1.02	0.17	0.98
(1,2850)	1:105:A:LEU:HD21	1:100:A:ILE:HG12	8	1.02	0.17	0.98
(1,2850)	1:105:A:LEU:HD21	1:100:A:ILE:HD11	8	1.02	0.17	0.98
(1,2850)	1:105:A:LEU:HD23	1:100:A:ILE:HD13	8	1.02	0.17	0.98
(1,3350)	2:205:B:MET:HG2	2:205:B:MET:HA	8	0.26	0.16	0.2
(1,3063)	1:76:A:MET:HG2	1:76:A:MET:HA	8	0.26	0.04	0.26
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD13	8	0.23	0.05	0.24
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD12	8	0.23	0.05	0.24
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD11	8	0.23	0.05	0.24
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD21	8	0.23	0.05	0.24
(1,3365)	2:205:B:MET:HB2	2:205:B:MET:HA	8	0.23	0.03	0.22
(1,3379)	2:208:B:LEU:HD21	2:208:B:LEU:HA	8	0.21	0.03	0.22
(1,3379)	2:208:B:LEU:HD22	2:208:B:LEU:HA	8	0.21	0.03	0.22
(1,3379)	2:208:B:LEU:HD23	2:208:B:LEU:HA	8	0.21	0.03	0.22
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG11	8	0.2	0.08	0.19
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG12	8	0.2	0.08	0.19
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG13	8	0.2	0.08	0.19
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG11	8	0.2	0.08	0.19
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG12	8	0.2	0.08	0.19
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG13	8	0.2	0.08	0.19
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG11	8	0.2	0.08	0.19
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG12	8	0.2	0.08	0.19
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG13	8	0.2	0.08	0.19
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG2	8	0.19	0.02	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG3	8	0.19	0.02	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,907)	1:85:A:ILE:H	1:84:A:GLU:HB2	8	0.18	0.04	0.18
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB2	8	0.17	0.05	0.17
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB3	8	0.17	0.05	0.17
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE1	8	0.13	0.02	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE2	8	0.13	0.02	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE3	8	0.13	0.02	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE1	8	0.13	0.02	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE2	8	0.13	0.02	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE3	8	0.13	0.02	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE1	8	0.13	0.02	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE2	8	0.13	0.02	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE3	8	0.13	0.02	0.13
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD11	8	0.12	0.02	0.12
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD12	8	0.12	0.02	0.12
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD13	8	0.12	0.02	0.12
(1,3382)	2:208:B:LEU:HB2	2:208:B:LEU:H	8	0.12	0.01	0.12
(1,3382)	2:208:B:LEU:HB3	2:208:B:LEU:H	8	0.12	0.01	0.12
(1,2744)	1:71:A:MET:HE1	2:204:B:PHE:HA	7	0.99	0.42	0.96
(1,2744)	1:71:A:MET:HE2	2:204:B:PHE:HA	7	0.99	0.42	0.96
(1,2744)	1:71:A:MET:HE3	2:204:B:PHE:HA	7	0.99	0.42	0.96
(1,2744)	1:71:A:MET:HE2	2:202:B:ASP:HA	7	0.99	0.42	0.96
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG2	7	0.37	0.02	0.37
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG3	7	0.37	0.02	0.37
(1,3347)	2:204:B:PHE:HZ	1:39:A:LEU:HD11	7	0.35	0.18	0.29
(1,3347)	2:204:B:PHE:HZ	1:39:A:LEU:HD12	7	0.35	0.18	0.29
(1,3347)	2:204:B:PHE:HZ	1:39:A:LEU:HD13	7	0.35	0.18	0.29
(1,3347)	2:204:B:PHE:HZ	1:35:A:VAL:HG11	7	0.35	0.18	0.29
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG22	7	0.26	0.12	0.27
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG21	7	0.26	0.12	0.27
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG23	7	0.26	0.12	0.27
(1,1492)	1:135:A:GLN:H	1:135:A:GLN:HE21	7	0.25	0.02	0.25
(1,3323)	2:201:B:MET:HG2	2:201:B:MET:HA	7	0.22	0.04	0.23
(1,3323)	2:201:B:MET:HG3	2:201:B:MET:HA	7	0.22	0.04	0.23
(1,1361)	1:124:A:MET:H	1:124:A:MET:HG2	7	0.22	0.06	0.25
(1,93)	1:11:A:GLU:H	1:11:A:GLU:HG2	7	0.21	0.06	0.24
(1,1012)	1:94:A:LYS:H	1:104:A:GLU:HB2	7	0.2	0.05	0.21
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG21	7	0.19	0.05	0.19
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG23	7	0.19	0.05	0.19
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG22	7	0.19	0.05	0.19
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB2	7	0.17	0.02	0.16
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB3	7	0.17	0.02	0.16
(1,3068)	1:76:A:MET:HG3	1:73:A:ALA:HA	7	0.17	0.09	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3097)	1:144:A:MET:HG3	1:144:A:MET:HA	7	0.16	0.07	0.13
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE1	7	0.15	0.03	0.15
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE2	7	0.15	0.03	0.15
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE3	7	0.15	0.03	0.15
(1,3361)	2:205:B:MET:HB3	2:205:B:MET:H	7	0.15	0.02	0.16
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD1	7	0.13	0.03	0.12
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD2	7	0.13	0.03	0.12
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD1	7	0.13	0.03	0.12
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD2	7	0.13	0.03	0.12
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD1	7	0.13	0.03	0.12
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD2	7	0.13	0.03	0.12
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD1	7	0.13	0.03	0.12
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD2	7	0.13	0.03	0.12
(1,313)	1:28:A:THR:H	1:31:A:GLU:HB3	7	0.13	0.02	0.12
(1,774)	1:69:A:LEU:H	1:68:A:PHE:HB3	7	0.13	0.03	0.11
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD21	7	0.12	0.02	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD22	7	0.12	0.02	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD23	7	0.12	0.02	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD21	7	0.12	0.02	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD22	7	0.12	0.02	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD23	7	0.12	0.02	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD21	7	0.12	0.02	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD22	7	0.12	0.02	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD23	7	0.12	0.02	0.12
(1,2666)	1:55:A:VAL:HG21	1:52:A:ILE:HA	7	0.12	0.02	0.11
(1,2666)	1:55:A:VAL:HG22	1:52:A:ILE:HA	7	0.12	0.02	0.11
(1,2666)	1:55:A:VAL:HG23	1:52:A:ILE:HA	7	0.12	0.02	0.11
(1,3374)	2:208:B:LEU:HD13	2:204:B:PHE:HZ	6	1.43	0.4	1.48
(1,3374)	2:208:B:LEU:HD11	2:204:B:PHE:HE2	6	1.43	0.4	1.48
(1,3374)	2:208:B:LEU:HD11	2:204:B:PHE:HZ	6	1.43	0.4	1.48
(1,3374)	2:208:B:LEU:HD11	2:204:B:PHE:HE1	6	1.43	0.4	1.48
(1,3376)	2:208:B:LEU:HD13	1:19:A:PHE:HE1	6	1.15	0.6	1.3
(1,3376)	2:208:B:LEU:HD13	1:92:A:PHE:HE1	6	1.15	0.6	1.3
(1,3376)	2:208:B:LEU:HD12	1:19:A:PHE:HE1	6	1.15	0.6	1.3
(1,3376)	2:208:B:LEU:HD11	1:19:A:PHE:HE1	6	1.15	0.6	1.3
(1,3376)	2:208:B:LEU:HD12	1:92:A:PHE:HE2	6	1.15	0.6	1.3
(1,3310)	2:214:B:GLY:HA3	1:145:A:MET:HE1	6	1.11	0.45	1.13
(1,3310)	2:214:B:GLY:HA3	1:145:A:MET:HE3	6	1.11	0.45	1.13
(1,3310)	2:214:B:GLY:HA3	1:144:A:MET:HE1	6	1.11	0.45	1.13
(1,886)	1:83:A:GLU:H	1:82:A:GLU:HG3	6	0.55	0.07	0.55
(1,886)	1:83:A:GLU:H	1:83:A:GLU:HG3	6	0.55	0.07	0.55
(1,886)	1:83:A:GLU:H	1:82:A:GLU:HG2	6	0.55	0.07	0.55

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2150)	1:90:A:ARG:HA	1:90:A:ARG:HG2	6	0.46	0.03	0.44
(1,1131)	1:104:A:GLU:H	1:104:A:GLU:HG2	6	0.45	0.07	0.48
(1,3375)	2:208:B:LEU:HD11	2:208:B:LEU:HA	6	0.42	0.28	0.41
(1,3375)	2:208:B:LEU:HD12	2:208:B:LEU:HA	6	0.42	0.28	0.41
(1,3375)	2:208:B:LEU:HD13	2:208:B:LEU:HA	6	0.42	0.28	0.41
(1,72)	1:9:A:ILE:H	1:4:A:LEU:HG	6	0.41	0.27	0.3
(1,72)	1:9:A:ILE:H	1:4:A:LEU:HB3	6	0.41	0.27	0.3
(1,1151)	1:105:A:LEU:H	1:100:A:ILE:HG21	6	0.28	0.07	0.29
(1,1151)	1:105:A:LEU:H	1:100:A:ILE:HG22	6	0.28	0.07	0.29
(1,1151)	1:105:A:LEU:H	1:100:A:ILE:HG23	6	0.28	0.07	0.29
(1,2629)	1:51:A:MET:HE1	1:51:A:MET:HB3	6	0.23	0.07	0.19
(1,2629)	1:51:A:MET:HE2	1:51:A:MET:HB3	6	0.23	0.07	0.19
(1,2629)	1:51:A:MET:HE3	1:51:A:MET:HB3	6	0.23	0.07	0.19
(1,2631)	1:51:A:MET:HE1	1:51:A:MET:HG3	6	0.22	0.12	0.2
(1,2631)	1:51:A:MET:HE2	1:51:A:MET:HG3	6	0.22	0.12	0.2
(1,2631)	1:51:A:MET:HE3	1:51:A:MET:HG3	6	0.22	0.12	0.2
(1,2834)	1:105:A:LEU:HD11	1:124:A:MET:HB2	6	0.18	0.04	0.17
(1,2834)	1:105:A:LEU:HD12	1:124:A:MET:HB2	6	0.18	0.04	0.17
(1,2834)	1:105:A:LEU:HD13	1:124:A:MET:HB2	6	0.18	0.04	0.17
(1,2830)	1:103:A:ALA:HB1	1:104:A:GLU:H	6	0.17	0.02	0.16
(1,2830)	1:103:A:ALA:HB2	1:104:A:GLU:H	6	0.17	0.02	0.16
(1,2830)	1:103:A:ALA:HB3	1:104:A:GLU:H	6	0.17	0.02	0.16
(1,3369)	2:208:B:LEU:HG	2:208:B:LEU:HA	6	0.17	0.01	0.16
(1,1181)	1:108:A:VAL:H	1:105:A:LEU:HA	6	0.16	0.03	0.16
(1,3384)	2:208:B:LEU:HB2	2:205:B:MET:HA	6	0.15	0.04	0.14
(1,3384)	2:208:B:LEU:HB3	2:205:B:MET:HA	6	0.15	0.04	0.14
(1,1791)	1:135:A:GLN:HE22	1:134:A:GLY:HA2	6	0.15	0.02	0.15
(1,13)	1:5:A:THR:H	1:9:A:ILE:HG12	6	0.14	0.02	0.15
(1,2557)	1:29:A:THR:HG21	1:52:A:ILE:HB	6	0.13	0.02	0.12
(1,2557)	1:29:A:THR:HG22	1:52:A:ILE:HB	6	0.13	0.02	0.12
(1,2557)	1:29:A:THR:HG23	1:52:A:ILE:HB	6	0.13	0.02	0.12
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE1	6	0.12	0.02	0.12
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE2	6	0.12	0.02	0.12
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE3	6	0.12	0.02	0.12
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE1	6	0.12	0.02	0.12
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE2	6	0.12	0.02	0.12
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE3	6	0.12	0.02	0.12
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE1	6	0.12	0.02	0.12
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE2	6	0.12	0.02	0.12
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE3	6	0.12	0.02	0.12
(1,2974)	1:136:A:VAL:HG21	1:100:A:ILE:HB	6	0.12	0.01	0.12
(1,2974)	1:136:A:VAL:HG22	1:100:A:ILE:HB	6	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2974)	1:136:A:VAL:HG23	1:100:A:ILE:HB	6	0.12	0.01	0.12
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD1	6	0.12	0.02	0.12
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD2	6	0.12	0.02	0.12
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD1	6	0.12	0.01	0.12
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD2	6	0.12	0.01	0.12
(1,1501)	1:135:A:GLN:H	1:136:A:VAL:HA	6	0.11	0.01	0.11
(1,3309)	2:214:B:GLY:HA2	2:217:B:ALA:HB1	5	0.57	0.23	0.67
(1,3309)	2:214:B:GLY:HA2	2:217:B:ALA:HB3	5	0.57	0.23	0.67
(1,3309)	2:214:B:GLY:HA2	2:217:B:ALA:HB2	5	0.57	0.23	0.67
(1,2970)	1:136:A:VAL:HG21	1:100:A:ILE:HD12	5	0.45	0.15	0.45
(1,2970)	1:136:A:VAL:HG23	1:100:A:ILE:HD13	5	0.45	0.15	0.45
(1,2970)	1:136:A:VAL:HG22	1:100:A:ILE:HD12	5	0.45	0.15	0.45
(1,2970)	1:136:A:VAL:HG23	1:100:A:ILE:HD11	5	0.45	0.15	0.45
(1,3092)	1:124:A:MET:HG3	1:105:A:LEU:HD11	5	0.43	0.24	0.59
(1,3092)	1:124:A:MET:HG3	1:105:A:LEU:HD21	5	0.43	0.24	0.59
(1,1413)	1:129:A:ASP:H	1:125:A:ILE:HG22	5	0.31	0.11	0.26
(1,1413)	1:129:A:ASP:H	1:125:A:ILE:HG21	5	0.31	0.11	0.26
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG2	5	0.26	0.01	0.26
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG3	5	0.26	0.01	0.26
(1,1493)	1:135:A:GLN:H	1:125:A:ILE:HG23	5	0.26	0.1	0.24
(1,1493)	1:135:A:GLN:H	1:125:A:ILE:HG22	5	0.26	0.1	0.24
(1,1493)	1:135:A:GLN:H	1:125:A:ILE:HG21	5	0.26	0.1	0.24
(1,1517)	1:136:A:VAL:H	1:100:A:ILE:HD11	5	0.2	0.08	0.15
(1,1517)	1:136:A:VAL:H	1:100:A:ILE:HD13	5	0.2	0.08	0.15
(1,1517)	1:136:A:VAL:H	1:100:A:ILE:HD12	5	0.2	0.08	0.15
(1,2808)	1:100:A:ILE:HG22	1:104:A:GLU:HB2	5	0.19	0.09	0.16
(1,2808)	1:100:A:ILE:HG21	1:104:A:GLU:HB2	5	0.19	0.09	0.16
(1,2808)	1:100:A:ILE:HG23	1:104:A:GLU:HB2	5	0.19	0.09	0.16
(1,2916)	1:124:A:MET:HE1	1:124:A:MET:HA	5	0.19	0.03	0.19
(1,2916)	1:124:A:MET:HE2	1:124:A:MET:HA	5	0.19	0.03	0.19
(1,2916)	1:124:A:MET:HE3	1:124:A:MET:HA	5	0.19	0.03	0.19
(1,2771)	1:85:A:ILE:HG21	1:142:A:VAL:HA	5	0.18	0.07	0.16
(1,2771)	1:85:A:ILE:HG22	1:142:A:VAL:HA	5	0.18	0.07	0.16
(1,2771)	1:85:A:ILE:HG23	1:142:A:VAL:HA	5	0.18	0.07	0.16
(1,339)	1:30:A:LYS:H	1:52:A:ILE:HD13	5	0.18	0.04	0.17
(1,339)	1:30:A:LYS:H	1:52:A:ILE:HD12	5	0.18	0.04	0.17
(1,1714)	1:49:A:GLN:HE21	1:53:A:ASN:HD21	5	0.17	0.02	0.17
(1,998)	1:93:A:ASP:H	1:100:A:ILE:HG23	5	0.16	0.06	0.13
(1,998)	1:93:A:ASP:H	1:100:A:ILE:HG21	5	0.16	0.06	0.13
(1,998)	1:93:A:ASP:H	1:100:A:ILE:HG22	5	0.16	0.06	0.13
(1,1665)	1:147:A:ALA:H	1:143:A:GLN:HA	5	0.16	0.04	0.18
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB2	5	0.15	0.0	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB3	5	0.15	0.0	0.15
(1,3064)	1:76:A:MET:HG2	1:76:A:MET:H	5	0.15	0.04	0.14
(1,858)	1:77:A:LYS:H	1:78:A:ASP:H	5	0.14	0.03	0.13
(1,3256)	2:215:B:VAL:H	2:216:B:VAL:H	5	0.14	0.02	0.15
(1,6)	1:3:A:GLN:H	1:3:A:GLN:HB2	5	0.14	0.01	0.14
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB2	5	0.13	0.02	0.12
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB3	5	0.13	0.02	0.12
(1,1)	1:3:A:GLN:H	1:2:A:ASP:HB3	5	0.13	0.02	0.13
(1,679)	1:62:A:THR:H	1:28:A:THR:HG23	5	0.12	0.01	0.12
(1,679)	1:62:A:THR:H	1:28:A:THR:HG21	5	0.12	0.01	0.12
(1,1021)	1:94:A:LYS:H	1:104:A:GLU:HB3	5	0.12	0.01	0.12
(1,1148)	1:105:A:LEU:H	1:104:A:GLU:HB2	5	0.12	0.0	0.12
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB2	5	0.12	0.01	0.13
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB3	5	0.12	0.01	0.13
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB2	5	0.12	0.01	0.13
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB3	5	0.12	0.01	0.13
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB2	5	0.12	0.01	0.13
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB3	5	0.12	0.01	0.13
(1,2950)	1:130:A:ILE:HG21	1:131:A:ASP:HA	5	0.12	0.01	0.12
(1,2950)	1:130:A:ILE:HG22	1:131:A:ASP:HA	5	0.12	0.01	0.12
(1,2950)	1:130:A:ILE:HG23	1:131:A:ASP:HA	5	0.12	0.01	0.12
(1,2721)	1:69:A:LEU:HD21	1:69:A:LEU:H	5	0.11	0.01	0.11
(1,2721)	1:69:A:LEU:HD22	1:69:A:LEU:H	5	0.11	0.01	0.11
(1,2721)	1:69:A:LEU:HD23	1:69:A:LEU:H	5	0.11	0.01	0.11
(1,2802)	1:100:A:ILE:HG21	1:93:A:ASP:HA	5	0.11	0.01	0.11
(1,2802)	1:100:A:ILE:HG22	1:93:A:ASP:HA	5	0.11	0.01	0.11
(1,2802)	1:100:A:ILE:HG23	1:93:A:ASP:HA	5	0.11	0.01	0.11
(1,2760)	1:76:A:MET:HE3	1:12:A:PHE:HE2	4	1.07	0.36	1.1
(1,2760)	1:76:A:MET:HE2	1:12:A:PHE:HE2	4	1.07	0.36	1.1
(1,2760)	1:76:A:MET:HE1	1:12:A:PHE:HE2	4	1.07	0.36	1.1
(1,3415)	2:207:B:GLY:HA2	2:203:B:VAL:HG21	4	0.64	0.34	0.56
(1,3415)	2:207:B:GLY:HA2	2:203:B:VAL:HG22	4	0.64	0.34	0.56
(1,3415)	2:207:B:GLY:HA2	2:203:B:VAL:HG23	4	0.64	0.34	0.56
(1,3413)	2:207:B:GLY:HA3	2:203:B:VAL:HG21	4	0.58	0.31	0.5
(1,3413)	2:207:B:GLY:HA3	2:203:B:VAL:HG22	4	0.58	0.31	0.5
(1,3413)	2:207:B:GLY:HA3	2:203:B:VAL:HG23	4	0.58	0.31	0.5
(1,2814)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	4	0.55	0.07	0.58
(1,2814)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	4	0.55	0.07	0.58
(1,2814)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	4	0.55	0.07	0.58
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD1	4	0.48	0.16	0.49
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD2	4	0.48	0.16	0.49
(1,1086)	1:100:A:ILE:H	1:100:A:ILE:HG13	4	0.43	0.03	0.44

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3354)	2:205:B:MET:HG3	2:204:B:PHE:HD2	4	0.43	0.33	0.39
(1,873)	1:79:A:THR:H	1:77:A:LYS:H	4	0.38	0.05	0.4
(1,1744)	1:86:A:ARG:HE	1:86:A:ARG:HG3	4	0.26	0.0	0.26
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB2	4	0.26	0.04	0.26
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB3	4	0.26	0.04	0.26
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG2	4	0.24	0.03	0.25
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG3	4	0.24	0.03	0.25
(1,2128)	1:86:A:ARG:HA	1:89:A:PHE:HB2	4	0.24	0.08	0.26
(1,2015)	1:53:A:ASN:HA	1:53:A:ASN:HB3	4	0.23	0.01	0.23
(1,174)	1:16:A:PHE:H	1:68:A:PHE:HE2	4	0.22	0.11	0.19
(1,1643)	1:145:A:MET:H	1:142:A:VAL:HG13	4	0.21	0.05	0.21
(1,1643)	1:145:A:MET:H	1:142:A:VAL:HG11	4	0.21	0.05	0.21
(1,1643)	1:145:A:MET:H	1:142:A:VAL:HG12	4	0.21	0.05	0.21
(1,3008)	1:144:A:MET:HE1	1:128:A:ALA:HA	4	0.21	0.05	0.2
(1,3008)	1:144:A:MET:HE2	1:128:A:ALA:HA	4	0.21	0.05	0.2
(1,3008)	1:144:A:MET:HE3	1:128:A:ALA:HA	4	0.21	0.05	0.2
(1,2764)	1:76:A:MET:HE1	1:76:A:MET:HA	4	0.2	0.09	0.18
(1,2764)	1:76:A:MET:HE2	1:76:A:MET:HA	4	0.2	0.09	0.18
(1,2764)	1:76:A:MET:HE3	1:76:A:MET:HA	4	0.2	0.09	0.18
(1,2243)	1:121:A:VAL:HA	1:124:A:MET:HG3	4	0.2	0.05	0.18
(1,2677)	1:55:A:VAL:HG12	1:68:A:PHE:HD1	4	0.2	0.06	0.18
(1,2677)	1:55:A:VAL:HG11	1:68:A:PHE:HD1	4	0.2	0.06	0.18
(1,572)	1:53:A:ASN:H	1:53:A:ASN:HB3	4	0.19	0.01	0.19
(1,1390)	1:127:A:GLU:H	1:127:A:GLU:HG2	4	0.19	0.03	0.21
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD11	4	0.19	0.12	0.14
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD12	4	0.19	0.12	0.14
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD13	4	0.19	0.12	0.14
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD11	4	0.19	0.12	0.14
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD12	4	0.19	0.12	0.14
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD13	4	0.19	0.12	0.14
(1,2611)	1:48:A:LEU:HD11	1:33:A:GLY:HA2	4	0.18	0.04	0.19
(1,2611)	1:48:A:LEU:HD12	1:33:A:GLY:HA2	4	0.18	0.04	0.19
(1,2611)	1:48:A:LEU:HD13	1:33:A:GLY:HA2	4	0.18	0.04	0.19
(1,3371)	2:208:B:LEU:HG	2:205:B:MET:HA	4	0.18	0.05	0.16
(1,1257)	1:115:A:LYS:H	1:114:A:GLU:HG2	4	0.17	0.01	0.17
(1,3385)	2:208:B:LEU:HB2	2:209:B:SER:H	4	0.16	0.02	0.16
(1,3385)	2:208:B:LEU:HB3	2:209:B:SER:H	4	0.16	0.02	0.16
(1,1983)	1:47:A:GLU:HA	1:50:A:ASP:HB3	4	0.16	0.01	0.16
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB2	4	0.15	0.02	0.15
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB3	4	0.15	0.02	0.15
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB2	4	0.15	0.02	0.15
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB3	4	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB2	4	0.15	0.02	0.15
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB3	4	0.15	0.02	0.15
(1,3273)	2:219:B:ALA:H	2:219:B:ALA:HA	4	0.15	0.0	0.15
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD11	4	0.15	0.04	0.14
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD12	4	0.15	0.04	0.14
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD13	4	0.15	0.04	0.14
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD21	4	0.15	0.04	0.14
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD22	4	0.15	0.04	0.14
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD23	4	0.15	0.04	0.14
(1,2978)	1:136:A:VAL:HG21	1:100:A:ILE:HG13	4	0.14	0.01	0.14
(1,2978)	1:136:A:VAL:HG22	1:100:A:ILE:HG13	4	0.14	0.01	0.14
(1,2978)	1:136:A:VAL:HG23	1:100:A:ILE:HG13	4	0.14	0.01	0.14
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE1	4	0.14	0.01	0.14
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE2	4	0.14	0.01	0.14
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE3	4	0.14	0.01	0.14
(1,880)	1:81:A:SER:H	1:80:A:ASP:HA	4	0.14	0.02	0.12
(1,1272)	1:116:A:LEU:H	1:120:A:GLU:HB2	4	0.13	0.01	0.13
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE1	4	0.13	0.01	0.12
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE2	4	0.13	0.01	0.12
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE3	4	0.13	0.01	0.12
(1,3109)	1:145:A:MET:HG2	1:146:A:THR:H	4	0.13	0.02	0.13
(1,3109)	1:145:A:MET:HG3	1:146:A:THR:H	4	0.13	0.02	0.13
(1,2957)	1:130:A:ILE:HD11	1:143:A:GLN:HE22	4	0.12	0.01	0.12
(1,2957)	1:130:A:ILE:HD12	1:143:A:GLN:HE22	4	0.12	0.01	0.12
(1,2957)	1:130:A:ILE:HD13	1:143:A:GLN:HE22	4	0.12	0.01	0.12
(1,864)	1:78:A:ASP:H	1:79:A:THR:H	4	0.12	0.01	0.12
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG2	4	0.12	0.02	0.12
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG3	4	0.12	0.02	0.12
(1,3215)	2:204:B:PHE:H	2:201:B:MET:HA	4	0.11	0.01	0.12
(1,1069)	1:99:A:TYR:H	1:97:A:ASN:HD21	4	0.11	0.01	0.11
(1,1778)	1:126:A:ARG:HE	1:126:A:ARG:HG2	4	0.11	0.0	0.11
(1,3038)	1:51:A:MET:HG3	1:51:A:MET:H	3	0.72	0.43	0.98
(1,43)	1:7:A:GLU:H	1:7:A:GLU:HB3	3	0.55	0.0	0.55
(1,20)	1:5:A:THR:H	1:8:A:GLN:HG3	3	0.49	0.03	0.48
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE1	3	0.49	0.09	0.55
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE2	3	0.49	0.09	0.55
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE3	3	0.49	0.09	0.55
(1,3370)	2:208:B:LEU:HG	2:208:B:LEU:H	3	0.48	0.2	0.48
(1,901)	1:84:A:GLU:H	1:83:A:GLU:HG3	3	0.46	0.02	0.45
(1,901)	1:84:A:GLU:H	1:83:A:GLU:HG2	3	0.46	0.02	0.45
(1,3348)	2:205:B:MET:HG2	1:68:A:PHE:HE1	3	0.38	0.32	0.17
(1,3348)	2:205:B:MET:HG2	1:19:A:PHE:HE2	3	0.38	0.32	0.17

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2434)	1:113:A:GLY:HA3	1:114:A:GLU:H	3	0.36	0.01	0.37
(1,3102)	1:144:A:MET:HG2	1:144:A:MET:H	3	0.34	0.01	0.34
(1,2337)	1:144:A:MET:HA	1:144:A:MET:HG2	3	0.32	0.14	0.42
(1,3106)	1:145:A:MET:HG2	1:142:A:VAL:HA	3	0.27	0.02	0.27
(1,3106)	1:145:A:MET:HG3	1:142:A:VAL:HA	3	0.27	0.02	0.27
(1,3003)	1:144:A:MET:HE1	1:144:A:MET:HG3	3	0.25	0.09	0.31
(1,3003)	1:144:A:MET:HE2	1:144:A:MET:HG3	3	0.25	0.09	0.31
(1,3003)	1:144:A:MET:HE3	1:144:A:MET:HG3	3	0.25	0.09	0.31
(1,1248)	1:114:A:GLU:H	1:114:A:GLU:HB2	3	0.24	0.01	0.24
(1,2815)	1:100:A:ILE:HD11	1:100:A:ILE:HA	3	0.22	0.02	0.22
(1,2815)	1:100:A:ILE:HD12	1:100:A:ILE:HA	3	0.22	0.02	0.22
(1,2815)	1:100:A:ILE:HD13	1:100:A:ILE:HA	3	0.22	0.02	0.22
(1,1745)	1:86:A:ARG:HE	1:86:A:ARG:HG2	3	0.2	0.0	0.2
(1,38)	1:7:A:GLU:H	1:6:A:GLU:HG3	3	0.2	0.07	0.24
(1,38)	1:7:A:GLU:H	1:7:A:GLU:HG2	3	0.2	0.07	0.24
(1,38)	1:7:A:GLU:H	1:6:A:GLU:HG2	3	0.2	0.07	0.24
(1,2109)	1:79:A:THR:HA	1:80:A:ASP:H	3	0.2	0.05	0.17
(1,2462)	1:4:A:LEU:HD21	1:4:A:LEU:H	3	0.18	0.03	0.18
(1,2462)	1:4:A:LEU:HD22	1:4:A:LEU:H	3	0.18	0.03	0.18
(1,2462)	1:4:A:LEU:HD23	1:4:A:LEU:H	3	0.18	0.03	0.18
(1,3065)	1:76:A:MET:HG2	1:73:A:ALA:HA	3	0.18	0.03	0.2
(1,2221)	1:115:A:LYS:HA	1:115:A:LYS:HB3	3	0.18	0.04	0.2
(1,3380)	2:208:B:LEU:HD21	2:208:B:LEU:H	3	0.17	0.04	0.17
(1,3380)	2:208:B:LEU:HD22	2:208:B:LEU:H	3	0.17	0.04	0.17
(1,3380)	2:208:B:LEU:HD23	2:208:B:LEU:H	3	0.17	0.04	0.17
(1,2785)	1:85:A:ILE:HD11	1:146:A:THR:HA	3	0.17	0.04	0.19
(1,2785)	1:85:A:ILE:HD12	1:146:A:THR:HA	3	0.17	0.04	0.19
(1,2785)	1:85:A:ILE:HD13	1:146:A:THR:HA	3	0.17	0.04	0.19
(1,1934)	1:29:A:THR:HA	1:32:A:LEU:HB2	3	0.17	0.03	0.18
(1,7)	1:3:A:GLN:H	1:3:A:GLN:HG2	3	0.16	0.05	0.13
(1,7)	1:3:A:GLN:H	1:3:A:GLN:HG3	3	0.16	0.05	0.13
(1,2692)	1:63:A:ILE:HG21	1:68:A:PHE:HD1	3	0.15	0.03	0.16
(1,2692)	1:63:A:ILE:HG21	1:68:A:PHE:HD2	3	0.15	0.03	0.16
(1,2692)	1:63:A:ILE:HG22	1:68:A:PHE:HD1	3	0.15	0.03	0.16
(1,2692)	1:63:A:ILE:HG22	1:68:A:PHE:HD2	3	0.15	0.03	0.16
(1,2692)	1:63:A:ILE:HG23	1:68:A:PHE:HD1	3	0.15	0.03	0.16
(1,2692)	1:63:A:ILE:HG23	1:68:A:PHE:HD2	3	0.15	0.03	0.16
(1,759)	1:68:A:PHE:H	1:67:A:GLU:HA	3	0.14	0.02	0.15
(1,1235)	1:113:A:GLY:H	1:114:A:GLU:H	3	0.14	0.03	0.13
(1,2078)	1:72:A:MET:HA	1:75:A:LYS:HB2	3	0.14	0.02	0.15
(1,2078)	1:72:A:MET:HA	1:75:A:LYS:HB3	3	0.14	0.02	0.15
(1,2246)	1:121:A:VAL:HA	1:124:A:MET:HB2	3	0.14	0.04	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG11	3	0.14	0.02	0.16
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG12	3	0.14	0.02	0.16
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG13	3	0.14	0.02	0.16
(1,225)	1:21:A:LYS:H	1:35:A:VAL:HG13	3	0.14	0.03	0.13
(1,225)	1:21:A:LYS:H	1:35:A:VAL:HG11	3	0.14	0.03	0.13
(1,2761)	1:76:A:MET:HE1	1:8:A:GLN:HE22	3	0.14	0.03	0.13
(1,2761)	1:76:A:MET:HE2	1:8:A:GLN:HE22	3	0.14	0.03	0.13
(1,2761)	1:76:A:MET:HE3	1:8:A:GLN:HE22	3	0.14	0.03	0.13
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG21	3	0.13	0.01	0.14
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG22	3	0.13	0.01	0.14
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG23	3	0.13	0.01	0.14
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG21	3	0.13	0.02	0.13
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG22	3	0.13	0.02	0.13
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG23	3	0.13	0.02	0.13
(1,2635)	1:51:A:MET:HE1	2:202:B:ASP:HB3	3	0.13	0.03	0.13
(1,2635)	1:51:A:MET:HE2	2:202:B:ASP:HB3	3	0.13	0.03	0.13
(1,2635)	1:51:A:MET:HE3	2:202:B:ASP:HB3	3	0.13	0.03	0.13
(1,3090)	1:124:A:MET:HG3	1:121:A:VAL:HA	3	0.13	0.0	0.13
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG21	3	0.13	0.01	0.14
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG22	3	0.13	0.01	0.14
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG23	3	0.13	0.01	0.14
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG21	3	0.13	0.01	0.14
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG22	3	0.13	0.01	0.14
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG23	3	0.13	0.01	0.14
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG21	3	0.13	0.01	0.14
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG22	3	0.13	0.01	0.14
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG23	3	0.13	0.01	0.14
(1,2179)	1:103:A:ALA:HA	1:106:A:ARG:HD2	3	0.13	0.02	0.12
(1,1973)	1:45:A:GLU:HA	1:48:A:LEU:HB2	3	0.12	0.01	0.13
(1,1856)	1:9:A:ILE:HA	1:12:A:PHE:HB2	3	0.12	0.02	0.11
(1,1856)	1:9:A:ILE:HA	1:12:A:PHE:HB3	3	0.12	0.02	0.11
(1,1702)	1:49:A:GLN:HE22	1:61:A:GLY:HA3	3	0.12	0.0	0.12
(1,2646)	1:52:A:ILE:HG21	1:52:A:ILE:HG13	3	0.12	0.01	0.11
(1,2646)	1:52:A:ILE:HG22	1:52:A:ILE:HG13	3	0.12	0.01	0.11
(1,2646)	1:52:A:ILE:HG23	1:52:A:ILE:HG13	3	0.12	0.01	0.11
(1,2990)	1:142:A:VAL:HG21	1:142:A:VAL:H	3	0.11	0.01	0.11
(1,2990)	1:142:A:VAL:HG22	1:142:A:VAL:H	3	0.11	0.01	0.11
(1,2990)	1:142:A:VAL:HG23	1:142:A:VAL:H	3	0.11	0.01	0.11
(1,555)	1:52:A:ILE:H	1:51:A:MET:HG3	3	0.11	0.0	0.11
(1,1336)	1:121:A:VAL:H	1:120:A:GLU:HB2	3	0.11	0.01	0.1
(1,2036)	1:66:A:PRO:HA	1:69:A:LEU:HG	3	0.1	0.0	0.1
(1,721)	1:65:A:PHE:H	1:65:A:PHE:HB3	2	0.56	0.0	0.56

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2723)	1:69:A:LEU:HD22	1:65:A:PHE:HE1	2	0.45	0.01	0.45
(1,2723)	1:69:A:LEU:HD21	1:65:A:PHE:HE1	2	0.45	0.01	0.45
(1,2876)	1:112:A:LEU:HD11	1:112:A:LEU:HA	2	0.43	0.14	0.43
(1,2876)	1:112:A:LEU:HD12	1:112:A:LEU:HA	2	0.43	0.14	0.43
(1,2876)	1:112:A:LEU:HD13	1:112:A:LEU:HA	2	0.43	0.14	0.43
(1,3187)	1:141:A:PHE:HZ	1:92:A:PHE:HD2	2	0.42	0.08	0.42
(1,2851)	1:105:A:LEU:HD23	1:92:A:PHE:HE1	2	0.38	0.04	0.38
(1,2851)	1:105:A:LEU:HD21	1:92:A:PHE:HE1	2	0.38	0.04	0.38
(1,2565)	1:32:A:LEU:HD23	2:204:B:PHE:HE2	2	0.36	0.05	0.36
(1,2565)	1:32:A:LEU:HD21	2:204:B:PHE:HE2	2	0.36	0.05	0.36
(1,2746)	1:72:A:MET:HE1	1:72:A:MET:HG2	2	0.34	0.02	0.34
(1,2746)	1:72:A:MET:HE2	1:72:A:MET:HG2	2	0.34	0.02	0.34
(1,2746)	1:72:A:MET:HE3	1:72:A:MET:HG2	2	0.34	0.02	0.34
(1,3426)	1:40:A:GLY:H	1:39:A:LEU:HD23	2	0.33	0.01	0.33
(1,3426)	1:40:A:GLY:H	1:39:A:LEU:HD22	2	0.33	0.01	0.33
(1,2091)	1:73:A:ALA:HA	1:76:A:MET:HB2	2	0.28	0.06	0.28
(1,2091)	1:73:A:ALA:HA	1:76:A:MET:HB3	2	0.28	0.06	0.28
(1,2099)	1:75:A:LYS:HA	1:75:A:LYS:HD2	2	0.26	0.03	0.26
(1,2099)	1:75:A:LYS:HA	1:75:A:LYS:HD3	2	0.26	0.03	0.26
(1,1380)	1:126:A:ARG:H	1:126:A:ARG:HD2	2	0.26	0.04	0.26
(1,1380)	1:126:A:ARG:H	1:126:A:ARG:HD3	2	0.26	0.04	0.26
(1,1699)	1:42:A:ASN:HD22	1:42:A:ASN:HA	2	0.26	0.01	0.26
(1,3122)	1:65:A:PHE:HZ	1:9:A:ILE:HG21	2	0.24	0.06	0.24
(1,3122)	1:65:A:PHE:HZ	1:9:A:ILE:HG22	2	0.24	0.06	0.24
(1,3122)	1:65:A:PHE:HZ	1:9:A:ILE:HG23	2	0.24	0.06	0.24
(1,463)	1:42:A:ASN:H	1:42:A:ASN:HD22	2	0.22	0.0	0.22
(1,2456)	1:4:A:LEU:HD21	1:8:A:GLN:HE22	2	0.22	0.03	0.22
(1,2456)	1:4:A:LEU:HD22	1:8:A:GLN:HE22	2	0.22	0.03	0.22
(1,2456)	1:4:A:LEU:HD23	1:8:A:GLN:HE22	2	0.22	0.03	0.22
(1,2457)	1:4:A:LEU:HD21	1:73:A:ALA:HB1	2	0.22	0.01	0.22
(1,2457)	1:4:A:LEU:HD21	1:73:A:ALA:HB2	2	0.22	0.01	0.22
(1,2457)	1:4:A:LEU:HD21	1:73:A:ALA:HB3	2	0.22	0.01	0.22
(1,2457)	1:4:A:LEU:HD22	1:73:A:ALA:HB1	2	0.22	0.01	0.22
(1,2457)	1:4:A:LEU:HD22	1:73:A:ALA:HB2	2	0.22	0.01	0.22
(1,2457)	1:4:A:LEU:HD22	1:73:A:ALA:HB3	2	0.22	0.01	0.22
(1,2457)	1:4:A:LEU:HD23	1:73:A:ALA:HB1	2	0.22	0.01	0.22
(1,2457)	1:4:A:LEU:HD23	1:73:A:ALA:HB2	2	0.22	0.01	0.22
(1,2457)	1:4:A:LEU:HD23	1:73:A:ALA:HB3	2	0.22	0.01	0.22
(1,404)	1:36:A:MET:H	1:19:A:PHE:HD2	2	0.22	0.04	0.22
(1,1783)	1:126:A:ARG:HE	1:123:A:GLU:HG2	2	0.21	0.01	0.21
(1,2320)	1:142:A:VAL:HA	1:145:A:MET:HG2	2	0.2	0.03	0.2
(1,2320)	1:142:A:VAL:HA	1:145:A:MET:HG3	2	0.2	0.03	0.2

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,3024)	1:146:A:THR:HG21	1:142:A:VAL:HG11	2	0.2	0.01	0.2
(1,3024)	1:146:A:THR:HG21	1:142:A:VAL:HG12	2	0.2	0.01	0.2
(1,3024)	1:146:A:THR:HG21	1:142:A:VAL:HG13	2	0.2	0.01	0.2
(1,3024)	1:146:A:THR:HG22	1:142:A:VAL:HG11	2	0.2	0.01	0.2
(1,3024)	1:146:A:THR:HG22	1:142:A:VAL:HG12	2	0.2	0.01	0.2
(1,3024)	1:146:A:THR:HG22	1:142:A:VAL:HG13	2	0.2	0.01	0.2
(1,3024)	1:146:A:THR:HG23	1:142:A:VAL:HG11	2	0.2	0.01	0.2
(1,3024)	1:146:A:THR:HG23	1:142:A:VAL:HG12	2	0.2	0.01	0.2
(1,3024)	1:146:A:THR:HG23	1:142:A:VAL:HG13	2	0.2	0.01	0.2
(1,1291)	1:118:A:ASP:H	1:118:A:ASP:HB2	2	0.2	0.01	0.2
(1,3325)	2:201:B:MET:HG2	2:202:B:ASP:H	2	0.19	0.06	0.19
(1,3325)	2:201:B:MET:HG3	2:202:B:ASP:H	2	0.19	0.06	0.19
(1,3199)	2:203:B:VAL:H	2:202:B:ASP:HB3	2	0.18	0.02	0.18
(1,2633)	1:51:A:MET:HE1	1:51:A:MET:H	2	0.18	0.01	0.18
(1,2633)	1:51:A:MET:HE2	1:51:A:MET:H	2	0.18	0.01	0.18
(1,2633)	1:51:A:MET:HE3	1:51:A:MET:H	2	0.18	0.01	0.18
(1,2455)	1:4:A:LEU:HD21	1:9:A:ILE:HG21	2	0.18	0.0	0.18
(1,2455)	1:4:A:LEU:HD21	1:9:A:ILE:HG22	2	0.18	0.0	0.18
(1,2455)	1:4:A:LEU:HD21	1:9:A:ILE:HG23	2	0.18	0.0	0.18
(1,2455)	1:4:A:LEU:HD22	1:9:A:ILE:HG21	2	0.18	0.0	0.18
(1,2455)	1:4:A:LEU:HD22	1:9:A:ILE:HG22	2	0.18	0.0	0.18
(1,2455)	1:4:A:LEU:HD22	1:9:A:ILE:HG23	2	0.18	0.0	0.18
(1,2455)	1:4:A:LEU:HD23	1:9:A:ILE:HG21	2	0.18	0.0	0.18
(1,2455)	1:4:A:LEU:HD23	1:9:A:ILE:HG22	2	0.18	0.0	0.18
(1,2455)	1:4:A:LEU:HD23	1:9:A:ILE:HG23	2	0.18	0.0	0.18
(1,2751)	1:72:A:MET:HE1	1:72:A:MET:HA	2	0.17	0.03	0.17
(1,2751)	1:72:A:MET:HE2	1:72:A:MET:HA	2	0.17	0.03	0.17
(1,2751)	1:72:A:MET:HE3	1:72:A:MET:HA	2	0.17	0.03	0.17
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD11	2	0.17	0.03	0.17
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD12	2	0.17	0.03	0.17
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD13	2	0.17	0.03	0.17
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD21	2	0.17	0.03	0.17
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD22	2	0.17	0.03	0.17
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD23	2	0.17	0.03	0.17
(1,3020)	1:145:A:MET:HE1	1:144:A:MET:HG2	2	0.17	0.01	0.17
(1,3020)	1:145:A:MET:HE2	1:144:A:MET:HG2	2	0.17	0.01	0.17
(1,3020)	1:145:A:MET:HE3	1:144:A:MET:HG2	2	0.17	0.01	0.17
(1,2872)	1:110:A:THR:HG21	1:111:A:ASN:H	2	0.16	0.01	0.16
(1,2872)	1:110:A:THR:HG22	1:111:A:ASN:H	2	0.16	0.01	0.16
(1,2872)	1:110:A:THR:HG23	1:111:A:ASN:H	2	0.16	0.01	0.16
(1,1011)	1:94:A:LYS:H	1:94:A:LYS:HG2	2	0.16	0.05	0.16
(1,1011)	1:94:A:LYS:H	1:94:A:LYS:HG3	2	0.16	0.05	0.16

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2997)	1:142:A:VAL:HG11	1:143:A:GLN:H	2	0.15	0.01	0.15
(1,2997)	1:142:A:VAL:HG12	1:143:A:GLN:H	2	0.15	0.01	0.15
(1,2997)	1:142:A:VAL:HG13	1:143:A:GLN:H	2	0.15	0.01	0.15
(1,3179)	1:138:A:TYR:HE1	1:85:A:ILE:HG21	2	0.15	0.04	0.15
(1,3179)	1:138:A:TYR:HE1	1:85:A:ILE:HG22	2	0.15	0.04	0.15
(1,3179)	1:138:A:TYR:HE1	1:85:A:ILE:HG23	2	0.15	0.04	0.15
(1,3179)	1:138:A:TYR:HE2	1:85:A:ILE:HG21	2	0.15	0.04	0.15
(1,3179)	1:138:A:TYR:HE2	1:85:A:ILE:HG22	2	0.15	0.04	0.15
(1,3179)	1:138:A:TYR:HE2	1:85:A:ILE:HG23	2	0.15	0.04	0.15
(1,2194)	1:106:A:ARG:HA	1:109:A:MET:HB3	2	0.15	0.04	0.15
(1,3052)	1:72:A:MET:HG3	1:12:A:PHE:HB2	2	0.15	0.04	0.15
(1,3052)	1:72:A:MET:HG3	1:12:A:PHE:HB3	2	0.15	0.04	0.15
(1,3282)	2:203:B:VAL:HA	2:206:B:LYS:HB2	2	0.15	0.02	0.15
(1,3282)	2:203:B:VAL:HA	2:206:B:LYS:HB3	2	0.15	0.02	0.15
(1,2716)	1:69:A:LEU:HD21	1:12:A:PHE:HB2	2	0.14	0.01	0.14
(1,2716)	1:69:A:LEU:HD21	1:12:A:PHE:HB3	2	0.14	0.01	0.14
(1,2716)	1:69:A:LEU:HD22	1:12:A:PHE:HB2	2	0.14	0.01	0.14
(1,2716)	1:69:A:LEU:HD22	1:12:A:PHE:HB3	2	0.14	0.01	0.14
(1,2716)	1:69:A:LEU:HD23	1:12:A:PHE:HB2	2	0.14	0.01	0.14
(1,2716)	1:69:A:LEU:HD23	1:12:A:PHE:HB3	2	0.14	0.01	0.14
(1,3066)	1:76:A:MET:HG2	1:77:A:LYS:H	2	0.14	0.02	0.14
(1,3258)	2:215:B:VAL:H	2:212:B:LYS:HA	2	0.14	0.03	0.14
(1,851)	1:76:A:MET:H	1:76:A:MET:HB2	2	0.14	0.02	0.14
(1,851)	1:76:A:MET:H	1:76:A:MET:HB3	2	0.14	0.02	0.14
(1,1966)	1:36:A:MET:HA	1:39:A:LEU:H	2	0.14	0.02	0.14
(1,2942)	1:128:A:ALA:HB1	1:144:A:MET:HB2	2	0.14	0.01	0.14
(1,2942)	1:128:A:ALA:HB1	1:144:A:MET:HB3	2	0.14	0.01	0.14
(1,2942)	1:128:A:ALA:HB2	1:144:A:MET:HB2	2	0.14	0.01	0.14
(1,2942)	1:128:A:ALA:HB2	1:144:A:MET:HB3	2	0.14	0.01	0.14
(1,2942)	1:128:A:ALA:HB3	1:144:A:MET:HB2	2	0.14	0.01	0.14
(1,2942)	1:128:A:ALA:HB3	1:144:A:MET:HB3	2	0.14	0.01	0.14
(1,3276)	2:201:B:MET:HA	2:204:B:PHE:HB2	2	0.14	0.02	0.14
(1,3276)	2:201:B:MET:HA	2:204:B:PHE:HB3	2	0.14	0.02	0.14
(1,3279)	2:203:B:VAL:HA	2:206:B:LYS:H	2	0.14	0.02	0.14
(1,3372)	2:208:B:LEU:HD11	2:208:B:LEU:H	2	0.14	0.02	0.14
(1,3372)	2:208:B:LEU:HD12	2:208:B:LEU:H	2	0.14	0.02	0.14
(1,3372)	2:208:B:LEU:HD13	2:208:B:LEU:H	2	0.14	0.02	0.14
(1,2589)	1:35:A:VAL:HG21	1:19:A:PHE:HA	2	0.13	0.02	0.13
(1,2589)	1:35:A:VAL:HG22	1:19:A:PHE:HA	2	0.13	0.02	0.13
(1,2589)	1:35:A:VAL:HG23	1:19:A:PHE:HA	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD11	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD12	2	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD13	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD21	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD22	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD23	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD11	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD12	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD13	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD21	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD22	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD23	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD11	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD12	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD13	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD21	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD22	2	0.13	0.02	0.13
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD23	2	0.13	0.02	0.13
(1,441)	1:39:A:LEU:H	1:37:A:ARG:HA	2	0.12	0.01	0.12
(1,956)	1:90:A:ARG:H	1:89:A:PHE:HD1	2	0.12	0.02	0.12
(1,956)	1:90:A:ARG:H	1:89:A:PHE:HD2	2	0.12	0.02	0.12
(1,2341)	1:145:A:MET:HA	1:145:A:MET:HG2	2	0.12	0.01	0.12
(1,2341)	1:145:A:MET:HA	1:145:A:MET:HG3	2	0.12	0.01	0.12
(1,3218)	2:204:B:PHE:H	1:36:A:MET:HE1	2	0.12	0.02	0.12
(1,3218)	2:204:B:PHE:H	1:36:A:MET:HE2	2	0.12	0.02	0.12
(1,3218)	2:204:B:PHE:H	1:36:A:MET:HE3	2	0.12	0.02	0.12
(1,3223)	2:205:B:MET:H	2:205:B:MET:HG2	2	0.12	0.02	0.12
(1,3275)	2:219:B:ALA:H	2:216:B:VAL:HA	2	0.12	0.01	0.12
(1,589)	1:54:A:GLU:H	1:54:A:GLU:HG2	2	0.12	0.01	0.12
(1,652)	1:60:A:ASN:H	1:59:A:GLY:H	2	0.12	0.0	0.12
(1,3105)	1:145:A:MET:HG2	1:85:A:ILE:HG21	2	0.12	0.01	0.12
(1,3105)	1:145:A:MET:HG2	1:85:A:ILE:HG22	2	0.12	0.01	0.12
(1,3105)	1:145:A:MET:HG2	1:85:A:ILE:HG23	2	0.12	0.01	0.12
(1,3105)	1:145:A:MET:HG3	1:85:A:ILE:HG21	2	0.12	0.01	0.12
(1,3105)	1:145:A:MET:HG3	1:85:A:ILE:HG22	2	0.12	0.01	0.12
(1,3105)	1:145:A:MET:HG3	1:85:A:ILE:HG23	2	0.12	0.01	0.12
(1,2447)	1:4:A:LEU:HD11	1:69:A:LEU:HA	2	0.12	0.02	0.12
(1,2447)	1:4:A:LEU:HD12	1:69:A:LEU:HA	2	0.12	0.02	0.12
(1,2447)	1:4:A:LEU:HD13	1:69:A:LEU:HA	2	0.12	0.02	0.12
(1,472)	1:42:A:ASN:H	1:41:A:GLN:HB2	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG11	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG12	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG13	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG21	2	0.12	0.0	0.12

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Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG22	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG23	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG11	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG12	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG13	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG21	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG22	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG23	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG11	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG12	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG13	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG21	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG22	2	0.12	0.0	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG23	2	0.12	0.0	0.12
(1,1586)	1:140:A:GLU:H	1:136:A:VAL:HG11	2	0.11	0.0	0.11
(1,1586)	1:140:A:GLU:H	1:136:A:VAL:HG12	2	0.11	0.0	0.11
(1,1586)	1:140:A:GLU:H	1:136:A:VAL:HG13	2	0.11	0.0	0.11
(1,1784)	1:135:A:GLN:HE22	1:133:A:ASP:HB3	2	0.11	0.01	0.11
(1,2101)	1:76:A:MET:HA	1:76:A:MET:HB2	2	0.11	0.0	0.11
(1,2101)	1:76:A:MET:HA	1:76:A:MET:HB3	2	0.11	0.0	0.11
(1,2285)	1:138:A:TYR:HA	1:141:A:PHE:HB2	2	0.11	0.0	0.11
(1,2927)	1:125:A:ILE:HD11	1:105:A:LEU:HB3	2	0.11	0.01	0.11
(1,2927)	1:125:A:ILE:HD12	1:105:A:LEU:HB3	2	0.11	0.01	0.11
(1,2927)	1:125:A:ILE:HD13	1:105:A:LEU:HB3	2	0.11	0.01	0.11
(2,8)	2:204:B:PHE:HB2	1:91:A:VAL:HG21	2	0.11	0.0	0.11
(2,8)	2:204:B:PHE:HB2	1:91:A:VAL:HG22	2	0.11	0.0	0.11
(2,8)	2:204:B:PHE:HB2	1:91:A:VAL:HG23	2	0.11	0.0	0.11
(2,8)	2:204:B:PHE:HB3	1:91:A:VAL:HG21	2	0.11	0.0	0.11
(2,8)	2:204:B:PHE:HB3	1:91:A:VAL:HG22	2	0.11	0.0	0.11
(2,8)	2:204:B:PHE:HB3	1:91:A:VAL:HG23	2	0.11	0.0	0.11
(1,1588)	1:140:A:GLU:H	1:137:A:ASN:HD21	2	0.11	0.0	0.11
(1,1717)	1:49:A:GLN:HE21	1:49:A:GLN:HG2	2	0.11	0.0	0.11
(1,1717)	1:49:A:GLN:HE21	1:49:A:GLN:HG3	2	0.11	0.0	0.11
(1,2032)	1:66:A:PRO:HA	1:69:A:LEU:HB3	2	0.11	0.0	0.11
(1,2502)	1:15:A:ALA:HB1	1:16:A:PHE:HA	2	0.11	0.0	0.11
(1,2502)	1:15:A:ALA:HB2	1:16:A:PHE:HA	2	0.11	0.0	0.11
(1,2502)	1:15:A:ALA:HB3	1:16:A:PHE:HA	2	0.11	0.0	0.11
(1,3155)	1:99:A:TYR:HE1	1:135:A:GLN:HE21	2	0.11	0.0	0.11
(1,3155)	1:99:A:TYR:HE2	1:135:A:GLN:HE21	2	0.11	0.0	0.11
(1,1190)	1:109:A:MET:H	1:109:A:MET:HB3	2	0.1	0.0	0.1
(1,1624)	1:143:A:GLN:H	1:140:A:GLU:H	2	0.1	0.0	0.1
(1,2498)	1:15:A:ALA:HB1	1:15:A:ALA:H	2	0.1	0.0	0.1

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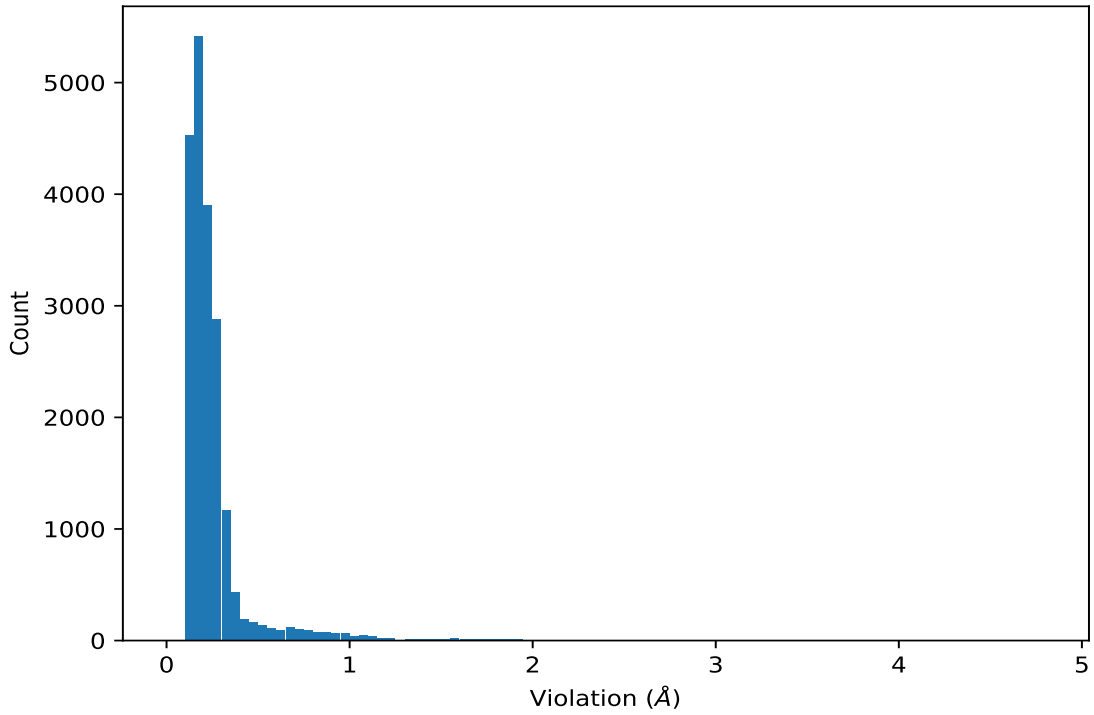
Key	Atom-1	Atom-2	Models[1]	Mean (Å)	SD[1] (Å)	Median (Å)
(1,2498)	1:15:A:ALA:HB2	1:15:A:ALA:H	2	0.1	0.0	0.1
(1,2498)	1:15:A:ALA:HB3	1:15:A:ALA:H	2	0.1	0.0	0.1

[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

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3411)	1:145:A:MET:HE3	2:216:B:VAL:HG22	3	4.79
(1,3411)	1:145:A:MET:HE2	2:216:B:VAL:HG21	18	4.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3411)	1:145:A:MET:HE2	2:215:B:VAL:HG12	19	4.57
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD11	15	4.27
(1,3423)	2:219:B:ALA:HB3	1:105:A:LEU:HD11	16	4.09
(1,3411)	1:145:A:MET:HE2	2:216:B:VAL:HG13	11	3.89
(1,3411)	1:145:A:MET:HE1	2:216:B:VAL:HG13	10	3.86
(1,3423)	2:218:B:ALA:HB1	1:105:A:LEU:HD22	19	3.73
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD22	7	3.71
(1,3423)	2:218:B:ALA:HB3	1:105:A:LEU:HD11	4	3.58
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD13	3	3.57
(1,3421)	2:215:B:VAL:HG11	1:144:A:MET:HE2	12	3.54
(1,3421)	2:215:B:VAL:HG12	1:145:A:MET:HE1	2	3.44
(1,3423)	2:218:B:ALA:HB3	1:105:A:LEU:HD11	1	3.42
(1,3423)	2:218:B:ALA:HB3	1:105:A:LEU:HD21	5	3.37
(1,3423)	2:218:B:ALA:HB1	1:105:A:LEU:HD23	13	3.37
(1,3423)	2:218:B:ALA:HB1	1:105:A:LEU:HD22	17	3.3
(1,3423)	2:219:B:ALA:HB3	1:105:A:LEU:HD22	18	3.29
(1,3421)	2:215:B:VAL:HG12	1:145:A:MET:HE2	14	3.21
(1,3421)	2:215:B:VAL:HG13	1:145:A:MET:HE3	8	3.16
(1,2632)	1:51:A:MET:HE1	2:204:B:PHE:HE1	13	3.14
(1,3421)	2:215:B:VAL:HG11	1:144:A:MET:HE1	6	3.12
(1,3421)	2:215:B:VAL:HG11	1:144:A:MET:HE1	17	3.12
(1,3326)	2:205:B:MET:HE3	2:208:B:LEU:HD12	8	3.1
(1,3423)	2:218:B:ALA:HB3	1:105:A:LEU:HD22	14	3.04
(1,2632)	1:51:A:MET:HE2	2:204:B:PHE:HE1	4	3.0
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD23	20	2.92
(1,3421)	2:215:B:VAL:HG13	1:145:A:MET:HE3	20	2.87
(1,3421)	2:215:B:VAL:HG13	1:145:A:MET:HE2	13	2.86
(1,3411)	1:145:A:MET:HE2	2:215:B:VAL:HG11	17	2.83
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD23	12	2.79
(1,3423)	2:218:B:ALA:HB3	1:105:A:LEU:HD21	2	2.78
(1,3423)	2:218:B:ALA:HB1	1:105:A:LEU:HD23	8	2.78
(1,3421)	2:215:B:VAL:HG11	1:145:A:MET:HE2	9	2.68
(1,3410)	1:145:A:MET:HE2	1:128:A:ALA:HB3	19	2.66
(1,3421)	2:215:B:VAL:HG12	1:145:A:MET:HE1	1	2.64
(1,2632)	1:51:A:MET:HE2	2:204:B:PHE:HE1	17	2.63
(1,3407)	1:144:A:MET:HE3	1:85:A:ILE:HD11	4	2.57
(1,3408)	1:144:A:MET:HE3	1:136:A:VAL:HG22	4	2.51
(1,2632)	1:51:A:MET:HE2	2:204:B:PHE:HE1	18	2.49
(1,3423)	2:218:B:ALA:HB1	1:105:A:LEU:HD23	6	2.46
(1,3407)	1:144:A:MET:HE1	1:85:A:ILE:HD13	16	2.45
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE1	3	2.43
(1,3423)	2:218:B:ALA:HB2	1:105:A:LEU:HD23	9	2.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3421)	2:215:B:VAL:HG11	1:145:A:MET:HE1	7	2.4
(1,3421)	2:215:B:VAL:HG11	1:145:A:MET:HE1	15	2.35
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD13	13	2.34
(1,3422)	2:215:B:VAL:HG12	1:92:A:PHE:HE1	10	2.33
(1,3421)	2:215:B:VAL:HG12	1:145:A:MET:HE3	5	2.31
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD13	15	2.31
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE2	20	2.3
(1,3410)	1:145:A:MET:HE3	1:128:A:ALA:HB1	18	2.29
(1,2632)	1:51:A:MET:HE1	2:204:B:PHE:HE1	8	2.28
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD11	10	2.25
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE1	6	2.22
(1,3422)	2:215:B:VAL:HG13	1:92:A:PHE:HE1	11	2.19
(1,3422)	2:215:B:VAL:HG11	1:92:A:PHE:HE1	4	2.17
(1,3422)	2:215:B:VAL:HG13	1:92:A:PHE:HE1	16	2.11
(1,3010)	1:144:A:MET:HE1	1:100:A:ILE:HG12	7	2.08
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD21	7	2.07
(1,3378)	2:208:B:LEU:HD23	1:92:A:PHE:HE2	20	2.07
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD22	8	2.06
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD11	3	2.05
(1,3326)	2:205:B:MET:HE3	1:35:A:VAL:HG12	4	2.04
(1,3422)	2:215:B:VAL:HG13	1:92:A:PHE:HE1	1	2.03
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE1	1	2.02
(1,3440)	1:91:A:VAL:HG23	1:39:A:LEU:HD21	12	2.01
(1,3411)	1:145:A:MET:HE3	2:215:B:VAL:HG21	8	2.01
(1,3326)	2:205:B:MET:HE2	1:35:A:VAL:HG12	16	2.0
(1,2745)	1:71:A:MET:HE3	2:204:B:PHE:HE2	4	2.0
(1,3440)	1:91:A:VAL:HG23	1:112:A:LEU:HD21	15	1.99
(1,3422)	2:215:B:VAL:HG11	1:92:A:PHE:HE1	3	1.99
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD13	18	1.97
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE1	19	1.96
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD21	19	1.94
(1,3422)	2:215:B:VAL:HG13	1:92:A:PHE:HE1	6	1.94
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD12	18	1.94
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD21	11	1.93
(1,3421)	2:215:B:VAL:HG13	1:145:A:MET:HE3	4	1.92
(1,3407)	1:144:A:MET:HE1	1:85:A:ILE:HD12	11	1.91
(1,3374)	2:208:B:LEU:HD13	2:204:B:PHE:HZ	3	1.91
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD12	17	1.9
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD22	10	1.9
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD13	13	1.89
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD13	2	1.89
(1,3407)	1:144:A:MET:HE3	1:85:A:ILE:HD12	19	1.89

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD12	16	1.88
(1,3407)	1:144:A:MET:HE3	1:85:A:ILE:HD12	5	1.88
(1,3378)	2:208:B:LEU:HD23	1:19:A:PHE:HE2	8	1.88
(1,3376)	2:208:B:LEU:HD13	1:92:A:PHE:HE1	8	1.88
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE2	1	1.88
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD21	5	1.87
(1,3339)	2:204:B:PHE:HB3	1:32:A:LEU:HD23	1	1.87
(1,1479)	1:133:A:ASP:H	1:130:A:ILE:HG23	12	1.86
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD12	4	1.85
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD23	14	1.85
(1,3339)	2:204:B:PHE:HB2	2:203:B:VAL:HG23	17	1.85
(1,3010)	1:144:A:MET:HE2	1:100:A:ILE:HG12	12	1.84
(1,3443)	1:108:A:VAL:HG21	1:112:A:LEU:HD13	18	1.83
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG21	7	1.83
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD13	12	1.82
(1,3422)	2:215:B:VAL:HG11	1:92:A:PHE:HE1	13	1.82
(1,3410)	1:145:A:MET:HE3	1:128:A:ALA:HB1	5	1.82
(1,3374)	2:208:B:LEU:HD11	2:204:B:PHE:HE1	18	1.81
(1,3084)	1:124:A:MET:HG2	1:116:A:LEU:HD22	9	1.81
(1,3310)	2:214:B:GLY:HA3	1:145:A:MET:HE1	7	1.8
(1,1364)	1:124:A:MET:H	1:105:A:LEU:HD23	15	1.8
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD13	7	1.79
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD12	10	1.79
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD12	11	1.79
(1,3378)	2:208:B:LEU:HD21	1:19:A:PHE:HE1	4	1.79
(1,3326)	2:201:B:MET:HE3	1:39:A:LEU:HD11	17	1.79
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD13	13	1.78
(1,2744)	1:71:A:MET:HE1	2:204:B:PHE:HA	19	1.78
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG22	12	1.78
(1,3421)	2:215:B:VAL:HG13	1:144:A:MET:HE2	10	1.76
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE1	17	1.76
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD21	2	1.75
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD13	20	1.75
(1,3407)	1:144:A:MET:HE1	1:85:A:ILE:HD11	12	1.75
(1,3443)	1:108:A:VAL:HG21	1:112:A:LEU:HD13	19	1.74
(1,3422)	2:215:B:VAL:HG13	1:92:A:PHE:HE1	14	1.73
(1,3339)	2:204:B:PHE:HB3	1:32:A:LEU:HD23	6	1.73
(1,3324)	2:201:B:MET:HG2	2:203:B:VAL:HG21	8	1.73
(1,3407)	1:144:A:MET:HE3	1:85:A:ILE:HD11	14	1.72
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG22	20	1.72
(1,3422)	2:215:B:VAL:HG13	1:92:A:PHE:HE1	12	1.71
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE2	14	1.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE2	16	1.71
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG22	16	1.7
(1,3376)	2:208:B:LEU:HD12	1:19:A:PHE:HE1	16	1.69
(1,2745)	1:71:A:MET:HE3	2:204:B:PHE:HE2	6	1.69
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG23	14	1.69
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD12	5	1.68
(1,2745)	1:71:A:MET:HE3	2:204:B:PHE:HE1	13	1.68
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG22	8	1.68
(1,3319)	2:201:B:MET:HB2	2:203:B:VAL:HG23	20	1.67
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE2	8	1.67
(1,2632)	1:51:A:MET:HE1	2:204:B:PHE:HE2	19	1.67
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE2	20	1.67
(1,1574)	1:140:A:GLU:H	1:130:A:ILE:HD13	11	1.67
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG21	18	1.67
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG23	6	1.66
(1,2843)	1:105:A:LEU:HD22	1:100:A:ILE:HG22	9	1.65
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE2	11	1.65
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG23	5	1.65
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG21	17	1.65
(1,3326)	2:205:B:MET:HE3	1:35:A:VAL:HG13	20	1.64
(1,2745)	1:71:A:MET:HE2	2:204:B:PHE:HE2	2	1.64
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG23	2	1.64
(1,3440)	1:91:A:VAL:HG23	1:39:A:LEU:HD21	9	1.63
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD12	8	1.62
(1,3408)	1:144:A:MET:HE1	1:136:A:VAL:HG23	15	1.62
(1,1574)	1:140:A:GLU:H	1:130:A:ILE:HD13	10	1.62
(1,3410)	1:145:A:MET:HE3	1:128:A:ALA:HB2	20	1.61
(1,3326)	2:205:B:MET:HE3	1:35:A:VAL:HG11	13	1.61
(1,3444)	1:108:A:VAL:HG21	1:112:A:LEU:HG	20	1.6
(1,3407)	1:144:A:MET:HE3	1:85:A:ILE:HD12	6	1.6
(1,2745)	1:71:A:MET:HE3	2:204:B:PHE:HE2	16	1.6
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG22	19	1.6
(1,3084)	1:124:A:MET:HG2	1:116:A:LEU:HD21	18	1.59
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG21	13	1.59
(1,3378)	2:208:B:LEU:HD23	1:92:A:PHE:HE1	3	1.58
(1,2745)	1:71:A:MET:HE2	2:204:B:PHE:HE2	10	1.58
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE2	14	1.58
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG23	15	1.58
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG21	3	1.57
(1,1574)	1:140:A:GLU:H	1:130:A:ILE:HD13	4	1.57
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD21	11	1.57
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD11	9	1.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD13	14	1.56
(1,3422)	2:215:B:VAL:HG13	1:92:A:PHE:HE1	19	1.56
(1,3411)	1:145:A:MET:HE1	2:215:B:VAL:HG11	7	1.56
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD12	3	1.56
(1,2745)	1:71:A:MET:HE3	2:204:B:PHE:HE2	9	1.56
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD11	3	1.55
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD13	4	1.55
(1,2592)	1:35:A:VAL:HG23	2:204:B:PHE:HE2	18	1.55
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD21	1	1.55
(1,3378)	2:208:B:LEU:HD22	1:19:A:PHE:HE1	13	1.54
(1,3319)	2:201:B:MET:HB2	1:35:A:VAL:HG13	6	1.54
(1,2760)	1:76:A:MET:HE3	1:12:A:PHE:HE2	16	1.54
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD23	3	1.54
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD22	9	1.54
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	18	1.54
(1,3374)	2:208:B:LEU:HD11	2:204:B:PHE:HZ	6	1.53
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD12	1	1.52
(1,3319)	2:201:B:MET:HB2	2:203:B:VAL:HG22	4	1.52
(1,2843)	1:105:A:LEU:HD22	1:100:A:ILE:HG23	1	1.52
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG21	1	1.52
(1,1574)	1:140:A:GLU:H	1:136:A:VAL:HG23	9	1.52
(1,3421)	2:215:B:VAL:HG11	1:144:A:MET:HE1	11	1.51
(1,2745)	1:71:A:MET:HE3	2:204:B:PHE:HE2	3	1.5
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE2	12	1.5
(1,3319)	2:201:B:MET:HB2	2:203:B:VAL:HG22	1	1.49
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE2	18	1.49
(1,3443)	1:108:A:VAL:HG22	1:112:A:LEU:HD13	2	1.48
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD11	18	1.48
(1,2745)	1:71:A:MET:HE2	2:204:B:PHE:HE2	7	1.48
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	7	1.48
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	12	1.48
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HB3	15	1.47
(1,3411)	1:145:A:MET:HE3	2:215:B:VAL:HG12	5	1.47
(1,3411)	1:145:A:MET:HE2	2:215:B:VAL:HG23	9	1.46
(1,3378)	2:208:B:LEU:HD21	1:92:A:PHE:HE2	17	1.46
(1,2843)	1:105:A:LEU:HD22	1:100:A:ILE:HG22	3	1.46
(1,2745)	1:71:A:MET:HE3	2:204:B:PHE:HE2	15	1.46
(1,2592)	1:35:A:VAL:HG22	2:204:B:PHE:HE2	3	1.45
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD21	7	1.44
(1,2850)	1:105:A:LEU:HD21	1:100:A:ILE:HG12	5	1.44
(1,3422)	2:215:B:VAL:HG11	1:92:A:PHE:HE1	8	1.43
(1,3374)	2:208:B:LEU:HD11	2:204:B:PHE:HE1	20	1.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3084)	1:124:A:MET:HG2	1:116:A:LEU:HD23	4	1.43
(1,3407)	1:144:A:MET:HE1	1:85:A:ILE:HD13	9	1.42
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD21	13	1.42
(1,3410)	1:145:A:MET:HE3	1:128:A:ALA:HB2	8	1.41
(1,3407)	1:144:A:MET:HE3	1:85:A:ILE:HD12	7	1.41
(1,3339)	2:204:B:PHE:HB2	2:203:B:VAL:HG21	8	1.41
(1,3324)	2:201:B:MET:HG2	1:39:A:LEU:HD11	13	1.41
(1,3319)	2:201:B:MET:HB2	1:35:A:VAL:HG12	3	1.41
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD21	10	1.41
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD13	3	1.4
(1,3406)	1:124:A:MET:HE2	1:121:A:VAL:HG21	6	1.4
(1,3376)	2:208:B:LEU:HD11	1:19:A:PHE:HE1	17	1.4
(1,1364)	1:124:A:MET:H	1:105:A:LEU:HD22	6	1.39
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	19	1.39
(1,3084)	1:124:A:MET:HG2	1:116:A:LEU:HD23	16	1.38
(1,2843)	1:105:A:LEU:HD21	1:108:A:VAL:HG12	5	1.38
(1,2843)	1:105:A:LEU:HD22	1:100:A:ILE:HG21	16	1.38
(1,2592)	1:35:A:VAL:HG21	2:204:B:PHE:HE2	8	1.38
(1,3408)	1:144:A:MET:HE1	1:136:A:VAL:HG21	13	1.37
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD21	18	1.37
(1,3406)	1:124:A:MET:HE3	1:121:A:VAL:HG21	13	1.36
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD23	16	1.36
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD11	1	1.35
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD23	4	1.35
(1,2843)	1:105:A:LEU:HD23	1:100:A:ILE:HG22	2	1.34
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE2	10	1.34
(1,2632)	1:51:A:MET:HE1	2:204:B:PHE:HE2	12	1.34
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD23	6	1.33
(1,3419)	2:208:B:LEU:HD21	2:212:B:LYS:HD3	2	1.33
(1,2592)	1:35:A:VAL:HG23	2:204:B:PHE:HE1	17	1.33
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD11	20	1.32
(1,3319)	2:201:B:MET:HB2	1:35:A:VAL:HG11	18	1.32
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE2	5	1.32
(1,3418)	2:208:B:LEU:HD21	2:212:B:LYS:HD3	2	1.31
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD11	1	1.31
(1,3326)	2:205:B:MET:HE3	2:208:B:LEU:HD13	14	1.31
(1,3084)	1:124:A:MET:HG2	1:116:A:LEU:HD23	5	1.31
(1,1364)	1:124:A:MET:H	1:105:A:LEU:HD23	2	1.31
(1,3419)	2:208:B:LEU:HD22	2:212:B:LYS:HD3	10	1.3
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD11	11	1.3
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE1	6	1.3
(1,3010)	1:144:A:MET:HE2	1:100:A:ILE:HD13	9	1.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2843)	1:105:A:LEU:HD23	1:100:A:ILE:HG21	15	1.29
(1,3418)	2:208:B:LEU:HD22	2:212:B:LYS:HD3	10	1.28
(1,3423)	2:218:B:ALA:HB1	1:105:A:LEU:HD21	11	1.27
(1,3422)	2:215:B:VAL:HG11	1:92:A:PHE:HE1	7	1.27
(1,3419)	2:208:B:LEU:HD21	2:212:B:LYS:HD3	12	1.26
(1,2630)	1:51:A:MET:HE1	1:48:A:LEU:HD22	19	1.26
(1,3010)	1:144:A:MET:HE1	1:100:A:ILE:HG12	5	1.25
(1,3418)	2:208:B:LEU:HD21	2:212:B:LYS:HD3	12	1.24
(1,3406)	1:124:A:MET:HE3	1:121:A:VAL:HG21	11	1.24
(1,3310)	2:214:B:GLY:HA3	1:144:A:MET:HE1	18	1.24
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE2	7	1.24
(1,2592)	1:35:A:VAL:HG23	2:204:B:PHE:HE2	15	1.24
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	18	1.24
(1,3378)	2:208:B:LEU:HD22	1:19:A:PHE:HE1	1	1.23
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD13	2	1.23
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD21	15	1.23
(1,2592)	1:35:A:VAL:HG22	2:204:B:PHE:HE2	4	1.23
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD23	6	1.23
(1,3410)	1:145:A:MET:HE1	1:128:A:ALA:HB2	2	1.22
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD1	9	1.22
(1,2843)	1:105:A:LEU:HD21	1:100:A:ILE:HG22	4	1.22
(1,2630)	1:51:A:MET:HE2	1:48:A:LEU:HD21	4	1.22
(1,1364)	1:124:A:MET:H	1:105:A:LEU:HD21	20	1.22
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD23	6	1.21
(1,2630)	1:51:A:MET:HE2	1:48:A:LEU:HD21	13	1.21
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	20	1.21
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD22	14	1.21
(1,3376)	2:208:B:LEU:HD13	1:19:A:PHE:HE1	6	1.2
(1,3374)	2:208:B:LEU:HD13	2:204:B:PHE:HZ	8	1.2
(1,2806)	1:100:A:ILE:HG23	1:92:A:PHE:HE1	3	1.2
(1,2745)	1:71:A:MET:HE2	2:204:B:PHE:HE2	11	1.2
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD13	2	1.19
(1,3326)	2:201:B:MET:HE3	1:39:A:LEU:HD11	6	1.19
(1,3324)	2:201:B:MET:HG3	1:39:A:LEU:HD11	16	1.19
(1,2632)	1:51:A:MET:HE2	2:204:B:PHE:HE2	2	1.19
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG21	3	1.19
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD21	12	1.19
(1,3406)	1:124:A:MET:HE3	1:121:A:VAL:HG22	10	1.18
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	16	1.18
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	14	1.18
(1,3423)	2:218:B:ALA:HB3	1:105:A:LEU:HD21	10	1.17
(1,3415)	2:207:B:GLY:HA2	2:203:B:VAL:HG22	6	1.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3326)	2:205:B:MET:HE3	2:208:B:LEU:HD11	9	1.17
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	8	1.17
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD21	7	1.17
(1,3440)	1:91:A:VAL:HG23	1:39:A:LEU:HD23	1	1.16
(1,2745)	1:71:A:MET:HE1	2:204:B:PHE:HE2	5	1.16
(1,2744)	1:71:A:MET:HE3	2:204:B:PHE:HA	15	1.16
(1,3437)	1:112:A:LEU:HD22	1:91:A:VAL:HG11	5	1.15
(1,2903)	1:121:A:VAL:HG13	1:106:A:ARG:HB2	6	1.15
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG21	18	1.15
(1,1198)	1:109:A:MET:H	1:105:A:LEU:HD21	6	1.15
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	11	1.15
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD12	14	1.14
(1,3310)	2:214:B:GLY:HA3	1:145:A:MET:HE3	6	1.14
(1,2760)	1:76:A:MET:HE3	1:12:A:PHE:HE2	18	1.14
(1,2630)	1:51:A:MET:HE3	1:48:A:LEU:HD22	6	1.14
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG22	10	1.14
(1,3419)	2:208:B:LEU:HD23	2:212:B:LYS:HD3	5	1.13
(1,3419)	2:208:B:LEU:HD22	2:212:B:LYS:HD2	11	1.13
(1,3378)	2:208:B:LEU:HD23	1:92:A:PHE:HE2	16	1.13
(1,3319)	2:201:B:MET:HB3	1:39:A:LEU:HD12	14	1.13
(1,3310)	2:214:B:GLY:HA3	1:144:A:MET:HE1	11	1.13
(1,2806)	1:100:A:ILE:HG22	1:92:A:PHE:HE1	15	1.13
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	1	1.13
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	2	1.13
(1,1364)	1:124:A:MET:H	1:105:A:LEU:HD21	8	1.13
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD23	6	1.13
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	20	1.13
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD13	5	1.13
(1,3326)	2:205:B:MET:HE3	2:208:B:LEU:HD13	7	1.12
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	5	1.12
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	5	1.12
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	5	1.12
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD22	19	1.12
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	8	1.12
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD13	12	1.12
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD23	5	1.11
(1,3418)	2:208:B:LEU:HD23	2:212:B:LYS:HD3	5	1.11
(1,3418)	2:208:B:LEU:HD22	2:212:B:LYS:HD2	11	1.11
(1,2592)	1:35:A:VAL:HG21	2:204:B:PHE:HE2	5	1.11
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	10	1.11
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD12	18	1.11
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD1	8	1.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2903)	1:121:A:VAL:HG12	1:106:A:ARG:HB2	17	1.1
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD21	6	1.1
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG21	1	1.1
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	7	1.1
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	17	1.1
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD13	7	1.1
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD11	19	1.1
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	3	1.09
(1,2632)	1:51:A:MET:HE1	2:204:B:PHE:HE2	15	1.09
(1,2630)	1:51:A:MET:HE1	1:48:A:LEU:HD21	1	1.09
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD21	9	1.09
(1,1364)	1:124:A:MET:H	1:105:A:LEU:HD22	17	1.09
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	19	1.09
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	20	1.09
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD13	14	1.09
(1,3437)	1:112:A:LEU:HD21	1:91:A:VAL:HG12	18	1.08
(1,3310)	2:214:B:GLY:HA3	1:145:A:MET:HE3	5	1.08
(1,2806)	1:100:A:ILE:HG23	1:92:A:PHE:HE1	4	1.08
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG21	2	1.08
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	13	1.08
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	17	1.08
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD12	15	1.08
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD12	16	1.08
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD21	1	1.07
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	4	1.07
(1,3419)	2:208:B:LEU:HD23	2:212:B:LYS:HD3	15	1.07
(1,3411)	1:145:A:MET:HE3	2:215:B:VAL:HG23	20	1.07
(1,3038)	1:51:A:MET:HG3	1:51:A:MET:H	2	1.07
(1,2592)	1:35:A:VAL:HG23	2:204:B:PHE:HE2	7	1.07
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD13	4	1.07
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD12	13	1.07
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD11	17	1.07
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD12	20	1.07
(1,3443)	1:108:A:VAL:HG23	1:112:A:LEU:HD11	6	1.06
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	9	1.06
(1,2760)	1:76:A:MET:HE1	1:12:A:PHE:HE2	12	1.06
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG21	11	1.06
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	17	1.06
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG22	1	1.06
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD11	2	1.06
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD13	8	1.06
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD11	10	1.06

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3437)	1:112:A:LEU:HD22	1:91:A:VAL:HG11	14	1.05
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD23	16	1.05
(1,3422)	2:215:B:VAL:HG12	1:92:A:PHE:HE1	17	1.05
(1,3418)	2:208:B:LEU:HD23	2:212:B:LYS:HD3	15	1.05
(1,3413)	2:207:B:GLY:HA3	2:203:B:VAL:HG22	6	1.05
(1,3326)	2:205:B:MET:HE1	2:208:B:LEU:HD11	15	1.05
(1,2903)	1:121:A:VAL:HG13	1:106:A:ARG:HB2	8	1.05
(1,2850)	1:105:A:LEU:HD22	1:100:A:ILE:HD13	9	1.05
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG22	11	1.05
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD12	3	1.05
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD11	9	1.05
(1,3421)	2:215:B:VAL:HG12	1:145:A:MET:HE2	16	1.04
(1,2903)	1:121:A:VAL:HG11	1:106:A:ARG:HB2	13	1.04
(1,2632)	1:51:A:MET:HE3	2:204:B:PHE:HE2	9	1.04
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG23	11	1.04
(1,915)	1:86:A:ARG:H	1:84:A:GLU:HG2	17	1.04
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD13	1	1.04
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD12	11	1.04
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD22	4	1.03
(1,3436)	1:35:A:VAL:HG22	1:39:A:LEU:HB2	15	1.03
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	2	1.03
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD21	8	1.03
(1,3422)	2:215:B:VAL:HG12	1:92:A:PHE:HE1	18	1.03
(1,2903)	1:121:A:VAL:HG13	1:106:A:ARG:HB2	14	1.03
(1,2806)	1:100:A:ILE:HG23	1:92:A:PHE:HE1	9	1.03
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD23	20	1.03
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD23	18	1.03
(1,200)	1:19:A:PHE:H	1:18:A:LEU:HD12	6	1.03
(1,2850)	1:105:A:LEU:HD23	1:100:A:ILE:HD11	2	1.02
(1,2806)	1:100:A:ILE:HG23	1:92:A:PHE:HE1	2	1.02
(1,2744)	1:71:A:MET:HE1	2:204:B:PHE:HA	5	1.02
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	4	1.02
(1,915)	1:86:A:ARG:H	1:84:A:GLU:HG2	13	1.02
(1,3437)	1:112:A:LEU:HD21	1:91:A:VAL:HG13	3	1.01
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	18	1.01
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HD13	3	1.01
(1,2806)	1:100:A:ILE:HG21	1:92:A:PHE:HE1	1	1.01
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	9	1.01
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG23	3	1.01
(1,1364)	1:124:A:MET:H	1:116:A:LEU:HD23	5	1.01
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG23	3	1.01
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	18	1.01

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	13	1.0
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	17	1.0
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD13	4	1.0
(1,3422)	2:215:B:VAL:HG13	1:92:A:PHE:HE1	20	1.0
(1,2903)	1:121:A:VAL:HG13	1:106:A:ARG:HB2	19	1.0
(1,2850)	1:105:A:LEU:HD23	1:100:A:ILE:HD13	16	1.0
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG21	5	1.0
(1,915)	1:86:A:ARG:H	1:84:A:GLU:HG3	1	1.0
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG21	1	1.0
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG21	6	1.0
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	8	1.0
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	14	1.0
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	15	1.0
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD23	14	0.99
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD11	17	0.99
(1,3010)	1:144:A:MET:HE1	1:100:A:ILE:HD13	6	0.99
(1,2903)	1:121:A:VAL:HG12	1:106:A:ARG:HB2	18	0.99
(1,2670)	1:55:A:VAL:HG12	1:71:A:MET:HB3	8	0.99
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	11	0.99
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD23	12	0.99
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	10	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	4	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG21	11	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	12	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	13	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	16	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	17	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG23	19	0.99
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG21	20	0.99
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD23	16	0.99
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	3	0.99
(1,3436)	1:35:A:VAL:HG22	1:39:A:LEU:HB2	11	0.98
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	7	0.98
(1,3038)	1:51:A:MET:HG3	1:51:A:MET:H	9	0.98
(1,2670)	1:55:A:VAL:HG11	1:71:A:MET:HB3	1	0.98
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	12	0.98
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG21	3	0.98
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	1	0.98
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG21	5	0.98
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	15	0.98
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD21	9	0.98
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	14	0.98

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3436)	1:35:A:VAL:HG23	1:39:A:LEU:HB2	14	0.97
(1,3324)	2:201:B:MET:HG2	2:203:B:VAL:HG21	9	0.97
(1,2670)	1:55:A:VAL:HG12	1:71:A:MET:HB3	13	0.97
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	17	0.97
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	2	0.97
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	5	0.97
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG21	2	0.97
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	7	0.97
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	9	0.97
(1,559)	1:52:A:ILE:H	1:52:A:ILE:HG22	10	0.97
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	11	0.96
(1,3375)	2:208:B:LEU:HD11	2:208:B:LEU:HA	20	0.96
(1,3375)	2:208:B:LEU:HD12	2:208:B:LEU:HA	20	0.96
(1,3375)	2:208:B:LEU:HD13	2:208:B:LEU:HA	20	0.96
(1,2744)	1:71:A:MET:HE2	2:204:B:PHE:HA	7	0.96
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG22	10	0.96
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG21	8	0.96
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	20	0.96
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	13	0.96
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	12	0.96
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	4	0.96
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD12	8	0.96
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	3	0.96
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD11	10	0.96
(1,3437)	1:112:A:LEU:HD21	1:91:A:VAL:HG13	7	0.95
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD22	19	0.95
(1,2850)	1:105:A:LEU:HD21	1:100:A:ILE:HD13	4	0.95
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	13	0.95
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	18	0.95
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	2	0.95
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	6	0.95
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	10	0.95
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	11	0.95
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	13	0.95
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG21	17	0.95
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG23	20	0.95
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD12	13	0.95
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD23	10	0.94
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD11	5	0.94
(1,2592)	1:35:A:VAL:HG21	2:204:B:PHE:HE1	13	0.94
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	14	0.94
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG23	1	0.94

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG23	3	0.94
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG23	5	0.94
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	7	0.94
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	18	0.94
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG21	19	0.94
(1,1210)	1:110:A:THR:H	1:116:A:LEU:HD13	6	0.94
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	11	0.94
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD23	14	0.94
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG23	19	0.94
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG22	20	0.94
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD11	4	0.94
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD23	5	0.94
(1,3437)	1:39:A:LEU:HD21	1:91:A:VAL:HG12	19	0.93
(1,3410)	1:145:A:MET:HE2	1:128:A:ALA:HB3	17	0.93
(1,2850)	1:105:A:LEU:HD22	1:100:A:ILE:HD13	1	0.93
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD21	10	0.93
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG21	6	0.93
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	14	0.93
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	8	0.93
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG21	9	0.93
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG23	12	0.93
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	15	0.93
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG22	16	0.93
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	2	0.93
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG23	4	0.93
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG23	5	0.93
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	15	0.93
(1,3436)	1:35:A:VAL:HG23	1:39:A:LEU:HB2	12	0.92
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD21	12	0.92
(1,3422)	2:215:B:VAL:HG11	1:92:A:PHE:HE1	9	0.92
(1,3407)	1:144:A:MET:HE1	1:85:A:ILE:HD11	8	0.92
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD12	7	0.92
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD2	20	0.92
(1,2850)	1:105:A:LEU:HD22	1:100:A:ILE:HD13	3	0.92
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD22	7	0.92
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD22	11	0.92
(1,1436)	1:130:A:ILE:H	1:130:A:ILE:HG23	14	0.92
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG22	16	0.92
(1,3319)	2:201:B:MET:HB3	1:39:A:LEU:HD11	11	0.91
(1,2670)	1:55:A:VAL:HG11	1:71:A:MET:HB3	17	0.91
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG22	19	0.91
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	8	0.91

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD13	19	0.91
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	10	0.91
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	2	0.91
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	8	0.91
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	9	0.91
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HG	5	0.9
(1,3444)	1:108:A:VAL:HG23	1:112:A:LEU:HG	16	0.9
(1,3408)	1:144:A:MET:HE1	2:215:B:VAL:HG22	16	0.9
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD2	7	0.9
(1,2744)	1:71:A:MET:HE2	2:204:B:PHE:HA	12	0.9
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	11	0.9
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG22	2	0.9
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG21	2	0.9
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG23	18	0.9
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	7	0.9
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	8	0.9
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD23	20	0.9
(1,295)	1:27:A:ILE:H	1:64:A:ASP:HB3	6	0.9
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	13	0.9
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	16	0.9
(1,3436)	1:35:A:VAL:HG21	1:39:A:LEU:HB2	10	0.89
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD13	16	0.89
(1,3319)	2:201:B:MET:HB3	2:203:B:VAL:HG21	8	0.89
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD22	20	0.89
(1,2670)	1:55:A:VAL:HG12	1:71:A:MET:HB3	11	0.89
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG23	8	0.89
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	3	0.89
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	13	0.89
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	4	0.89
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG23	11	0.89
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HD13	5	0.89
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG21	4	0.89
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG22	19	0.89
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG3	6	0.89
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	5	0.89
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	17	0.89
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HG	9	0.88
(1,3437)	1:112:A:LEU:HD23	1:91:A:VAL:HG13	12	0.88
(1,3436)	1:35:A:VAL:HG23	1:39:A:LEU:HB2	13	0.88
(1,3319)	2:201:B:MET:HB2	2:203:B:VAL:HG23	13	0.88
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE1	2	0.88
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD23	17	0.88

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3010)	1:144:A:MET:HE1	1:100:A:ILE:HD12	14	0.88
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HD11	20	0.88
(1,2744)	1:71:A:MET:HE3	2:204:B:PHE:HA	10	0.88
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG23	13	0.88
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG23	20	0.88
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	12	0.88
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG23	12	0.88
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	17	0.88
(1,295)	1:27:A:ILE:H	1:64:A:ASP:HB3	7	0.88
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	12	0.88
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HG	4	0.87
(1,3444)	1:108:A:VAL:HG21	1:112:A:LEU:HG	18	0.87
(1,3437)	1:39:A:LEU:HD21	1:91:A:VAL:HG11	9	0.87
(1,3437)	1:112:A:LEU:HD22	1:91:A:VAL:HG11	10	0.87
(1,3367)	2:205:B:MET:HE3	1:68:A:PHE:HE1	12	0.87
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD11	6	0.87
(1,3326)	2:205:B:MET:HE3	2:208:B:LEU:HD12	1	0.87
(1,3324)	2:201:B:MET:HG2	1:39:A:LEU:HD13	20	0.87
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	1	0.87
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD11	20	0.87
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG23	16	0.87
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	11	0.87
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	4	0.87
(1,295)	1:27:A:ILE:H	1:64:A:ASP:HB3	10	0.87
(1,3444)	1:108:A:VAL:HG21	1:112:A:LEU:HG	19	0.86
(1,3437)	1:39:A:LEU:HD21	1:91:A:VAL:HG11	2	0.86
(1,3419)	2:208:B:LEU:HD22	2:212:B:LYS:HD2	18	0.86
(1,3309)	2:214:B:GLY:HA2	2:217:B:ALA:HB1	2	0.86
(1,2850)	1:105:A:LEU:HD21	1:100:A:ILE:HD11	15	0.86
(1,2670)	1:55:A:VAL:HG12	1:71:A:MET:HB3	5	0.86
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	4	0.86
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG23	2	0.86
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG12	4	0.86
(1,295)	1:27:A:ILE:H	1:64:A:ASP:HB3	1	0.86
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	14	0.86
(1,3444)	1:108:A:VAL:HG23	1:112:A:LEU:HG	1	0.85
(1,3411)	1:145:A:MET:HE1	2:215:B:VAL:HG21	2	0.85
(1,3354)	2:205:B:MET:HG3	2:204:B:PHE:HD2	19	0.85
(1,3324)	2:201:B:MET:HG3	1:39:A:LEU:HD11	17	0.85
(1,2670)	1:55:A:VAL:HG11	1:71:A:MET:HB3	3	0.85
(1,2592)	1:35:A:VAL:HG23	2:204:B:PHE:HE2	6	0.85
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	12	0.85

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG22	14	0.85
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG22	20	0.85
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	8	0.85
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	14	0.85
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	17	0.85
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG3	16	0.85
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG22	8	0.85
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	10	0.85
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG22	13	0.85
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	18	0.85
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD13	18	0.85
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	15	0.85
(1,295)	1:27:A:ILE:H	1:64:A:ASP:HB3	18	0.85
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HG	13	0.84
(1,3418)	2:208:B:LEU:HD22	2:212:B:LYS:HD2	18	0.84
(1,3348)	2:205:B:MET:HG2	1:19:A:PHE:HE2	19	0.84
(1,3010)	1:144:A:MET:HE2	1:100:A:ILE:HD13	8	0.84
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	1	0.84
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD23	19	0.84
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	15	0.84
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	16	0.84
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG22	3	0.84
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG12	1	0.84
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG12	6	0.84
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD11	3	0.84
(1,3444)	1:108:A:VAL:HG23	1:112:A:LEU:HG	17	0.83
(1,3437)	1:112:A:LEU:HD21	1:91:A:VAL:HG12	11	0.83
(1,3436)	1:35:A:VAL:HG23	1:39:A:LEU:HG	6	0.83
(1,3378)	2:208:B:LEU:HD21	1:92:A:PHE:HE2	18	0.83
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	17	0.83
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD22	14	0.83
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	7	0.83
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	8	0.83
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	5	0.83
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG21	17	0.83
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG22	12	0.83
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD11	19	0.83
(1,3437)	1:112:A:LEU:HD23	1:91:A:VAL:HG12	8	0.82
(1,3436)	1:35:A:VAL:HG21	1:39:A:LEU:HB2	2	0.82
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	12	0.82
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD13	15	0.82
(1,3322)	2:201:B:MET:HG3	2:204:B:PHE:HD2	14	0.82

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HD12	18	0.82
(1,2903)	1:121:A:VAL:HG12	1:106:A:ARG:HB2	5	0.82
(1,2670)	1:55:A:VAL:HG11	1:71:A:MET:HB3	14	0.82
(1,2670)	1:55:A:VAL:HG12	1:71:A:MET:HB3	16	0.82
(1,2592)	1:35:A:VAL:HG22	2:204:B:PHE:HE2	2	0.82
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG23	7	0.82
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD23	8	0.82
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG22	7	0.82
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	18	0.82
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	20	0.82
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG23	1	0.82
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	20	0.82
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	5	0.82
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD23	10	0.82
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG22	8	0.82
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD12	8	0.82
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD23	12	0.82
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD11	16	0.82
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG21	3	0.82
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	20	0.82
(1,3436)	1:35:A:VAL:HG21	1:39:A:LEU:HB2	9	0.81
(1,3319)	2:201:B:MET:HB2	2:203:B:VAL:HG23	17	0.81
(1,2670)	1:55:A:VAL:HG13	1:71:A:MET:HB3	9	0.81
(1,2670)	1:55:A:VAL:HG12	1:71:A:MET:HB3	18	0.81
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	13	0.81
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD21	17	0.81
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD22	18	0.81
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	19	0.81
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD23	19	0.81
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	2	0.81
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	14	0.81
(1,295)	1:27:A:ILE:H	1:20:A:ASP:HB3	11	0.81
(1,3444)	1:108:A:VAL:HG23	1:112:A:LEU:HG	3	0.8
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HG	7	0.8
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD21	20	0.8
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD12	8	0.8
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD21	6	0.8
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG23	18	0.8
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	1	0.8
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HD12	12	0.8
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG22	9	0.8
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG21	10	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	10	0.8
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD13	17	0.8
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	12	0.8
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	2	0.8
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HG	10	0.79
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD12	7	0.79
(1,3408)	1:144:A:MET:HE3	1:136:A:VAL:HG22	1	0.79
(1,3406)	1:124:A:MET:HE1	1:121:A:VAL:HG21	12	0.79
(1,3367)	2:205:B:MET:HE2	1:68:A:PHE:HE1	5	0.79
(1,3319)	2:201:B:MET:HB3	1:39:A:LEU:HD11	16	0.79
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD22	4	0.79
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD23	16	0.79
(1,2670)	1:55:A:VAL:HG13	1:71:A:MET:HB3	12	0.79
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG22	3	0.79
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG22	9	0.79
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG22	19	0.79
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	10	0.79
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	2	0.79
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG21	15	0.79
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	3	0.79
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD12	2	0.79
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG22	7	0.79
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG22	15	0.79
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG22	17	0.79
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	1	0.79
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	6	0.79
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	8	0.79
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	20	0.79
(1,3444)	1:108:A:VAL:HG23	1:112:A:LEU:HG	11	0.78
(1,3444)	1:108:A:VAL:HG23	1:112:A:LEU:HG	12	0.78
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HG	14	0.78
(1,3436)	1:35:A:VAL:HG21	1:39:A:LEU:HB2	1	0.78
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD21	12	0.78
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD11	11	0.78
(1,3419)	2:208:B:LEU:HD23	2:212:B:LYS:HD2	19	0.78
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD21	14	0.78
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD23	1	0.78
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD23	9	0.78
(1,2195)	1:106:A:ARG:HA	1:105:A:LEU:HD21	13	0.78
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	12	0.78
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	8	0.78
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG22	1	0.78

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG22	9	0.78
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG22	10	0.78
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	11	0.78
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	18	0.78
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	17	0.78
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	19	0.78
(1,295)	1:27:A:ILE:H	1:64:A:ASP:HB3	3	0.78
(1,72)	1:9:A:ILE:H	1:4:A:LEU:HG	18	0.78
(1,3444)	1:108:A:VAL:HG23	1:112:A:LEU:HG	8	0.77
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE1	7	0.77
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD21	2	0.77
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD23	3	0.77
(1,2670)	1:55:A:VAL:HG13	1:71:A:MET:HB3	20	0.77
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	16	0.77
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	5	0.77
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HD11	7	0.77
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG23	5	0.77
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG23	16	0.77
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	19	0.77
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	4	0.77
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD12	9	0.77
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	9	0.77
(1,295)	1:27:A:ILE:H	1:64:A:ASP:HB3	20	0.77
(1,72)	1:9:A:ILE:H	1:4:A:LEU:HG	16	0.77
(1,3418)	2:208:B:LEU:HD23	2:212:B:LYS:HD2	19	0.76
(1,3408)	1:144:A:MET:HE2	1:136:A:VAL:HG23	8	0.76
(1,3344)	2:204:B:PHE:HD2	1:39:A:LEU:HD13	17	0.76
(1,2865)	1:109:A:MET:HE2	1:92:A:PHE:HE1	5	0.76
(1,2806)	1:100:A:ILE:HG21	1:92:A:PHE:HE1	16	0.76
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	10	0.76
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	4	0.76
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	4	0.76
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG2	15	0.76
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	2	0.76
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD12	7	0.76
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	1	0.76
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	4	0.76
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG21	5	0.76
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	6	0.76
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	8	0.76
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG21	13	0.76
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	16	0.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG22	19	0.76
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	4	0.76
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	5	0.76
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	7	0.76
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	11	0.76
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	13	0.76
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	15	0.76
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD23	10	0.75
(1,3324)	2:201:B:MET:HG2	1:39:A:LEU:HD12	7	0.75
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	6	0.75
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD23	15	0.75
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	10	0.75
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	18	0.75
(1,3440)	1:91:A:VAL:HG22	1:39:A:LEU:HD22	13	0.74
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	17	0.74
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD23	6	0.74
(1,3408)	1:144:A:MET:HE3	1:136:A:VAL:HG21	2	0.74
(1,3347)	2:204:B:PHE:HZ	1:35:A:VAL:HG11	20	0.74
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD12	4	0.74
(1,2670)	1:55:A:VAL:HG13	1:71:A:MET:HB3	4	0.74
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG22	4	0.74
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	14	0.74
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	7	0.74
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HD13	10	0.74
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG22	6	0.74
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG21	14	0.74
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	11	0.74
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD11	1	0.74
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	16	0.74
(1,295)	1:27:A:ILE:H	1:64:A:ASP:HB3	19	0.74
(1,3444)	1:108:A:VAL:HG22	1:112:A:LEU:HG	2	0.73
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	7	0.73
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	11	0.73
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	7	0.73
(1,3370)	2:208:B:LEU:HG	2:208:B:LEU:H	16	0.73
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD12	16	0.73
(1,3324)	2:201:B:MET:HG3	1:39:A:LEU:HD12	14	0.73
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE1	12	0.73
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD22	8	0.73
(1,2670)	1:55:A:VAL:HG11	1:71:A:MET:HB3	10	0.73
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	18	0.73
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG22	2	0.73

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG21	6	0.73
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	9	0.73
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	12	0.73
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	16	0.73
(1,1198)	1:109:A:MET:H	1:105:A:LEU:HD21	9	0.73
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG2	12	0.73
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG21	11	0.73
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	6	0.73
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	5	0.73
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	2	0.73
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG22	7	0.73
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD13	6	0.73
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	20	0.73
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD22	16	0.72
(1,3436)	1:35:A:VAL:HG23	1:39:A:LEU:HB2	5	0.72
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	18	0.72
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD12	3	0.72
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB2	17	0.72
(1,3406)	1:124:A:MET:HE3	1:121:A:VAL:HG21	1	0.72
(1,3374)	2:208:B:LEU:HD11	2:204:B:PHE:HE2	5	0.72
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD11	8	0.72
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD13	9	0.72
(1,2903)	1:121:A:VAL:HG13	1:106:A:ARG:HB2	9	0.72
(1,2806)	1:100:A:ILE:HG23	1:92:A:PHE:HE1	5	0.72
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	13	0.72
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD12	14	0.72
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	7	0.72
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	10	0.72
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG22	19	0.72
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	8	0.72
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG12	20	0.72
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG23	9	0.72
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	3	0.72
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	20	0.72
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD23	6	0.71
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	13	0.71
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD23	14	0.71
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	19	0.71
(1,3408)	1:144:A:MET:HE3	1:136:A:VAL:HG22	17	0.71
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD13	16	0.71
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD22	19	0.71
(1,2670)	1:55:A:VAL:HG13	1:71:A:MET:HB3	15	0.71

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	6	0.71
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	6	0.71
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	6	0.71
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD23	20	0.71
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD23	18	0.71
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG23	19	0.71
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	11	0.71
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	9	0.71
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD21	17	0.71
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	14	0.71
(1,3440)	1:91:A:VAL:HG21	1:39:A:LEU:HD23	17	0.7
(1,3436)	1:35:A:VAL:HG21	1:39:A:LEU:HB2	4	0.7
(1,3433)	1:108:A:VAL:HA	1:112:A:LEU:HD21	15	0.7
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD23	16	0.7
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD11	18	0.7
(1,3324)	2:201:B:MET:HG3	1:39:A:LEU:HD12	6	0.7
(1,3309)	2:214:B:GLY:HA2	2:217:B:ALA:HB1	8	0.7
(1,2592)	1:35:A:VAL:HG21	2:204:B:PHE:HE2	12	0.7
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD23	11	0.7
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	10	0.7
(1,1198)	1:109:A:MET:H	1:105:A:LEU:HD21	1	0.7
(1,1198)	1:109:A:MET:H	1:105:A:LEU:HD22	2	0.7
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	12	0.7
(1,915)	1:86:A:ARG:H	1:83:A:GLU:HG3	5	0.7
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	18	0.7
(1,886)	1:83:A:GLU:H	1:83:A:GLU:HG3	6	0.7
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	16	0.7
(1,349)	1:31:A:GLU:H	1:28:A:THR:HG23	2	0.7
(1,323)	1:28:A:THR:H	1:27:A:ILE:HG13	12	0.7
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB3	8	0.7
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB1	9	0.7
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	11	0.7
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB3	15	0.7
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD21	8	0.69
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD13	2	0.69
(1,3419)	2:208:B:LEU:HD23	2:212:B:LYS:HD3	9	0.69
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD1	19	0.69
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD2	19	0.69
(1,2903)	1:121:A:VAL:HG13	1:106:A:ARG:HB2	1	0.69
(1,2903)	1:121:A:VAL:HG12	1:106:A:ARG:HB2	3	0.69
(1,2670)	1:55:A:VAL:HG13	1:71:A:MET:HB3	2	0.69
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	12	0.69

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	8	0.69
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD13	18	0.69
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	8	0.69
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	11	0.69
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	14	0.69
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	17	0.69
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	1	0.69
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	4	0.69
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	11	0.69
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	17	0.69
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	2	0.68
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	3	0.68
(1,3350)	2:205:B:MET:HG2	2:205:B:MET:HA	19	0.68
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD23	19	0.68
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG23	19	0.68
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG23	19	0.68
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG21	10	0.68
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG23	16	0.68
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG21	17	0.68
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	20	0.68
(1,1198)	1:109:A:MET:H	1:105:A:LEU:HD21	3	0.68
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	2	0.68
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG21	1	0.68
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG21	15	0.68
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG22	20	0.68
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB1	2	0.68
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	17	0.68
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	20	0.68
(1,3436)	1:35:A:VAL:HG23	1:39:A:LEU:HB2	19	0.67
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	9	0.67
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	2	0.67
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD11	5	0.67
(1,3418)	2:208:B:LEU:HD23	2:212:B:LYS:HD3	9	0.67
(1,3413)	2:207:B:GLY:HA3	2:203:B:VAL:HG21	1	0.67
(1,3408)	1:144:A:MET:HE1	1:136:A:VAL:HG21	14	0.67
(1,3367)	2:205:B:MET:HE3	1:68:A:PHE:HE1	10	0.67
(1,3354)	2:205:B:MET:HG3	2:204:B:PHE:HD2	18	0.67
(1,3309)	2:214:B:GLY:HA2	2:217:B:ALA:HB2	18	0.67
(1,3092)	1:124:A:MET:HG3	1:105:A:LEU:HD21	15	0.67
(1,1468)	1:133:A:ASP:H	1:132:A:GLY:H	12	0.67
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG21	7	0.67
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG23	6	0.67

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	7	0.67
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG21	11	0.67
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG23	13	0.67
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	14	0.67
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	5	0.67
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	16	0.67
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	9	0.67
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	16	0.67
(1,861)	1:78:A:ASP:H	1:77:A:LYS:HB2	16	0.67
(1,861)	1:78:A:ASP:H	1:77:A:LYS:HB3	16	0.67
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG12	19	0.67
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG22	9	0.67
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG22	13	0.67
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG21	19	0.67
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB1	1	0.67
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	3	0.67
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	8	0.67
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	10	0.67
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	6	0.67
(1,3436)	1:35:A:VAL:HG21	1:39:A:LEU:HB2	16	0.66
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD22	4	0.66
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD21	12	0.66
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD12	1	0.66
(1,3415)	2:207:B:GLY:HA2	2:203:B:VAL:HG21	1	0.66
(1,3367)	2:205:B:MET:HE3	1:68:A:PHE:HE1	11	0.66
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	20	0.66
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG22	5	0.66
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG23	8	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG21	1	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	3	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG21	4	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	5	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	12	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	15	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG23	18	0.66
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG23	19	0.66
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	1	0.66
(1,1073)	1:100:A:ILE:H	1:101:A:SER:HA	18	0.66
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	6	0.66
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG23	4	0.66
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG22	5	0.66
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG23	17	0.66

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB1	3	0.66
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB3	10	0.66
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	16	0.66
(1,3436)	1:35:A:VAL:HG22	1:39:A:LEU:HB2	7	0.65
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD23	5	0.65
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	7	0.65
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD11	10	0.65
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD11	13	0.65
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD11	16	0.65
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD13	19	0.65
(1,2970)	1:136:A:VAL:HG23	1:100:A:ILE:HD13	7	0.65
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	16	0.65
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	6	0.65
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG22	9	0.65
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	13	0.65
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	4	0.65
(1,889)	1:83:A:GLU:H	1:79:A:THR:HB	13	0.65
(1,549)	1:52:A:ILE:H	1:48:A:LEU:HD22	13	0.65
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG23	10	0.65
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG23	11	0.65
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	9	0.65
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	18	0.65
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	11	0.65
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	17	0.65
(1,3436)	1:35:A:VAL:HG22	1:39:A:LEU:HB2	17	0.64
(1,3429)	1:113:A:GLY:H	1:112:A:LEU:HD21	1	0.64
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD23	14	0.64
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	17	0.64
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD13	9	0.64
(1,3421)	2:215:B:VAL:HG12	1:144:A:MET:HE1	3	0.64
(1,3319)	2:201:B:MET:HB2	1:39:A:LEU:HD13	9	0.64
(1,3260)	2:215:B:VAL:H	1:144:A:MET:HE1	11	0.64
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB2	2	0.64
(1,2903)	1:121:A:VAL:HG13	1:106:A:ARG:HB2	4	0.64
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD23	15	0.64
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	5	0.64
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG22	9	0.64
(1,1374)	1:125:A:ILE:H	1:125:A:ILE:HG23	2	0.64
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	19	0.64
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	7	0.64
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG13	13	0.64
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	14	0.64

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG22	6	0.64
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG21	8	0.64
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	6	0.64
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	4	0.64
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD11	10	0.63
(1,2670)	1:55:A:VAL:HG13	1:71:A:MET:HB3	19	0.63
(1,2402)	1:33:A:GLY:HA3	1:36:A:MET:HB2	6	0.63
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG23	9	0.63
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD13	19	0.63
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	20	0.63
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	6	0.63
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG21	14	0.63
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	5	0.63
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG23	2	0.63
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG21	3	0.63
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG22	7	0.63
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB3	3	0.63
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB2	13	0.62
(1,3408)	1:144:A:MET:HE3	1:136:A:VAL:HG23	20	0.62
(1,3092)	1:124:A:MET:HG3	1:105:A:LEU:HD11	1	0.62
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD22	5	0.62
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HD13	1	0.62
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HG12	10	0.62
(1,2903)	1:121:A:VAL:HG11	1:106:A:ARG:HB2	16	0.62
(1,2806)	1:100:A:ILE:HG22	1:92:A:PHE:HE1	14	0.62
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	18	0.62
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	18	0.62
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	18	0.62
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	11	0.62
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	16	0.62
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG21	12	0.62
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	12	0.62
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	15	0.62
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	20	0.62
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG13	12	0.62
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	15	0.62
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD23	11	0.62
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB3	13	0.62
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	4	0.62
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	13	0.62
(1,3436)	1:35:A:VAL:HG22	1:39:A:LEU:HG	20	0.61
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD23	10	0.61

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	10	0.61
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	13	0.61
(1,3408)	1:144:A:MET:HE1	1:136:A:VAL:HG21	6	0.61
(1,3344)	2:204:B:PHE:HD2	1:39:A:LEU:HD13	13	0.61
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD12	14	0.61
(1,2814)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	10	0.61
(1,2806)	1:100:A:ILE:HG21	1:92:A:PHE:HE1	18	0.61
(1,2592)	1:35:A:VAL:HG22	2:204:B:PHE:HE2	10	0.61
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD21	10	0.61
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD22	16	0.61
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG22	5	0.61
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG23	7	0.61
(1,1076)	1:100:A:ILE:H	1:100:A:ILE:HG22	10	0.61
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	1	0.61
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG12	10	0.61
(1,384)	1:33:A:GLY:H	1:29:A:THR:HG21	6	0.61
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG21	17	0.61
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG23	16	0.61
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG21	18	0.61
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	2	0.6
(1,2814)	1:100:A:ILE:HD13	1:100:A:ILE:HG21	7	0.6
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD23	10	0.6
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD13	17	0.6
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	7	0.6
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	13	0.6
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	4	0.6
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG13	6	0.6
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG23	14	0.6
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	5	0.6
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	2	0.6
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	6	0.6
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	11	0.59
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	18	0.59
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	6	0.59
(1,3406)	1:124:A:MET:HE1	1:121:A:VAL:HG22	3	0.59
(1,3092)	1:124:A:MET:HG3	1:105:A:LEU:HD11	3	0.59
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HD11	17	0.59
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD22	3	0.59
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG22	15	0.59
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	5	0.59
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	3	0.59
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	17	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	2	0.59
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG12	3	0.59
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	17	0.59
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD11	17	0.59
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	12	0.59
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB3	15	0.59
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	13	0.58
(1,2970)	1:136:A:VAL:HG21	1:100:A:ILE:HD12	10	0.58
(1,2876)	1:112:A:LEU:HD11	1:112:A:LEU:HA	20	0.58
(1,2876)	1:112:A:LEU:HD12	1:112:A:LEU:HA	20	0.58
(1,2876)	1:112:A:LEU:HD13	1:112:A:LEU:HA	20	0.58
(1,2592)	1:35:A:VAL:HG21	2:204:B:PHE:HE2	1	0.58
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	8	0.58
(1,1428)	1:130:A:ILE:H	1:129:A:ASP:HB3	13	0.58
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD12	14	0.58
(1,889)	1:83:A:GLU:H	1:79:A:THR:HA	14	0.58
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	1	0.58
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG22	3	0.58
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG13	9	0.58
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG21	2	0.58
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG22	9	0.58
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG23	19	0.58
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD12	6	0.58
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD21	8	0.57
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	19	0.57
(1,3319)	2:201:B:MET:HB3	1:39:A:LEU:HD13	15	0.57
(1,2814)	1:100:A:ILE:HD11	1:100:A:ILE:HG22	12	0.57
(1,2630)	1:51:A:MET:HE3	1:48:A:LEU:HD21	20	0.57
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	4	0.57
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG3	15	0.57
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD21	4	0.57
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD21	13	0.57
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	3	0.57
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	3	0.57
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	4	0.57
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD23	16	0.57
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	9	0.57
(1,721)	1:65:A:PHE:H	1:65:A:PHE:HB3	14	0.57
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG11	8	0.57
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG23	6	0.57
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG21	10	0.57
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG22	13	0.57

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG21	15	0.57
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB1	18	0.57
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	1	0.57
(1,3408)	1:144:A:MET:HE2	1:136:A:VAL:HG23	12	0.56
(1,3345)	2:204:B:PHE:HD1	1:19:A:PHE:HE2	19	0.56
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	9	0.56
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	12	0.56
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE1	10	0.56
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE2	10	0.56
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE3	10	0.56
(1,2806)	1:100:A:ILE:HG23	1:92:A:PHE:HE1	8	0.56
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	1	0.56
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD22	1	0.56
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	15	0.56
(1,1428)	1:130:A:ILE:H	1:129:A:ASP:HB3	4	0.56
(1,1428)	1:130:A:ILE:H	1:129:A:ASP:HB3	15	0.56
(1,889)	1:83:A:GLU:H	1:79:A:THR:HB	17	0.56
(1,886)	1:83:A:GLU:H	1:82:A:GLU:HG3	2	0.56
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	3	0.56
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	8	0.56
(1,721)	1:65:A:PHE:H	1:65:A:PHE:HB3	12	0.56
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG13	1	0.56
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG12	11	0.56
(1,392)	1:34:A:THR:H	1:35:A:VAL:HG12	18	0.56
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG22	1	0.56
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG23	4	0.56
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG23	5	0.56
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG23	11	0.56
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG23	14	0.56
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	16	0.56
(1,43)	1:7:A:GLU:H	1:7:A:GLU:HB3	6	0.56
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	16	0.56
(1,3436)	1:35:A:VAL:HG21	1:39:A:LEU:HB2	3	0.55
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	4	0.55
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	9	0.55
(1,3406)	1:124:A:MET:HE3	1:121:A:VAL:HG21	14	0.55
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB3	7	0.55
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE1	11	0.55
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE2	11	0.55
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE3	11	0.55
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG23	17	0.55
(1,1428)	1:130:A:ILE:H	1:129:A:ASP:HB3	3	0.55

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	19	0.55
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD11	8	0.55
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD13	18	0.55
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD13	8	0.55
(1,886)	1:83:A:GLU:H	1:82:A:GLU:HG3	5	0.55
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	1	0.55
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	2	0.55
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	7	0.55
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	8	0.55
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	9	0.55
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	10	0.55
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	12	0.55
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	14	0.55
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	15	0.55
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	18	0.55
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG21	18	0.55
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	19	0.55
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG22	20	0.55
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	14	0.55
(1,43)	1:7:A:GLU:H	1:7:A:GLU:HB3	7	0.55
(1,43)	1:7:A:GLU:H	1:7:A:GLU:HB3	19	0.55
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD22	3	0.54
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD23	16	0.54
(1,3411)	1:145:A:MET:HE3	2:215:B:VAL:HG23	14	0.54
(1,3322)	2:201:B:MET:HG3	2:204:B:PHE:HD2	16	0.54
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	7	0.54
(1,2760)	1:76:A:MET:HE2	1:12:A:PHE:HE2	2	0.54
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	1	0.54
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	1	0.54
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	1	0.54
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	9	0.54
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	9	0.54
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	9	0.54
(1,2196)	1:106:A:ARG:HA	1:121:A:VAL:HG21	5	0.54
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG23	19	0.54
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG22	2	0.54
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG22	3	0.54
(1,1428)	1:130:A:ILE:H	1:129:A:ASP:HB3	1	0.54
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	17	0.54
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD11	20	0.54
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	3	0.54
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	4	0.54

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,886)	1:83:A:GLU:H	1:82:A:GLU:HG2	10	0.54
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	3	0.54
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	18	0.54
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	19	0.54
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	4	0.54
(1,20)	1:5:A:THR:H	1:8:A:GLN:HG3	1	0.54
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	11	0.53
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	11	0.53
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	11	0.53
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD21	1	0.53
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	1	0.53
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	2	0.53
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD22	14	0.53
(1,2662)	1:55:A:VAL:HG21	1:71:A:MET:HB3	6	0.53
(1,2592)	1:35:A:VAL:HG23	2:204:B:PHE:HE2	14	0.53
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD22	9	0.53
(1,2150)	1:90:A:ARG:HA	1:90:A:ARG:HG2	7	0.53
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	15	0.53
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	15	0.53
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD13	1	0.53
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	2	0.53
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG2	18	0.53
(1,889)	1:83:A:GLU:H	1:79:A:THR:HB	7	0.53
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	4	0.53
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	6	0.53
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	11	0.53
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	17	0.53
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	2	0.53
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	11	0.53
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	20	0.53
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	7	0.53
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG23	3	0.53
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	1	0.53
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	9	0.53
(1,3422)	2:215:B:VAL:HG12	1:92:A:PHE:HE1	5	0.52
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB2	9	0.52
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB3	13	0.52
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	3	0.52
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	14	0.52
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD23	8	0.52
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD21	17	0.52
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	3	0.52

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD21	8	0.52
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	19	0.52
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG23	6	0.52
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD12	13	0.52
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	5	0.52
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	13	0.52
(1,783)	1:70:A:THR:H	1:69:A:LEU:HB2	16	0.52
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	15	0.52
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	16	0.52
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG23	1	0.52
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	8	0.52
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	14	0.52
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	17	0.52
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG21	7	0.52
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG23	18	0.52
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB1	11	0.52
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	2	0.52
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	18	0.52
(1,3408)	1:144:A:MET:HE2	1:136:A:VAL:HG21	9	0.51
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD12	2	0.51
(1,3322)	2:201:B:MET:HG3	2:204:B:PHE:HD1	2	0.51
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD1	20	0.51
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD2	20	0.51
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	6	0.51
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	15	0.51
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	19	0.51
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD22	7	0.51
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD23	19	0.51
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	19	0.51
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	19	0.51
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	19	0.51
(1,2806)	1:100:A:ILE:HG21	1:92:A:PHE:HE1	13	0.51
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	7	0.51
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	13	0.51
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	13	0.51
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	16	0.51
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	16	0.51
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	20	0.51
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	20	0.51
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG21	6	0.51
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG22	20	0.51
(1,1073)	1:100:A:ILE:H	1:135:A:GLN:HA	15	0.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,889)	1:83:A:GLU:H	1:79:A:THR:HB	20	0.51
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	10	0.51
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	19	0.51
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	5	0.51
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG21	8	0.51
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG22	12	0.51
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	20	0.51
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB3	9	0.51
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	1	0.51
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	8	0.51
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	10	0.51
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	13	0.51
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD13	14	0.5
(1,3408)	1:144:A:MET:HE2	2:215:B:VAL:HG21	10	0.5
(1,3346)	2:204:B:PHE:HE2	1:35:A:VAL:HG11	20	0.5
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	20	0.5
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB1	19	0.5
(1,3187)	1:141:A:PHE:HZ	1:92:A:PHE:HD2	19	0.5
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	5	0.5
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	10	0.5
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	20	0.5
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD23	12	0.5
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD22	18	0.5
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD23	20	0.5
(1,3010)	1:144:A:MET:HE3	1:100:A:ILE:HD11	2	0.5
(1,2247)	1:121:A:VAL:HA	1:105:A:LEU:HD23	2	0.5
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD21	12	0.5
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD23	17	0.5
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD11	7	0.5
(1,1428)	1:130:A:ILE:H	1:129:A:ASP:HB3	16	0.5
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	20	0.5
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	12	0.5
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	13	0.5
(1,378)	1:33:A:GLY:H	1:48:A:LEU:HD21	14	0.5
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB1	7	0.5
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	5	0.5
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB3	8	0.5
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	17	0.5
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD22	17	0.49
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB2	1	0.49
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	8	0.49
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD2	19	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	18	0.49
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	18	0.49
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD22	11	0.49
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD21	13	0.49
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	5	0.49
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	5	0.49
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	5	0.49
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	5	0.49
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	5	0.49
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	5	0.49
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	14	0.49
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG3	20	0.49
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG21	17	0.49
(1,1413)	1:129:A:ASP:H	1:125:A:ILE:HG21	11	0.49
(1,1131)	1:104:A:GLU:H	1:104:A:GLU:HG2	3	0.49
(1,901)	1:84:A:GLU:H	1:83:A:GLU:HG3	1	0.49
(1,886)	1:83:A:GLU:H	1:82:A:GLU:HG3	8	0.49
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	3	0.49
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	4	0.49
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	10	0.49
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	15	0.49
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD1	18	0.49
(1,345)	1:30:A:LYS:H	1:29:A:THR:HG21	16	0.49
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD12	19	0.49
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	5	0.49
(1,3422)	2:215:B:VAL:HG12	1:92:A:PHE:HE1	15	0.48
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB2	11	0.48
(1,3370)	2:208:B:LEU:HG	2:208:B:LEU:H	20	0.48
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB2	15	0.48
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	4	0.48
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD21	10	0.48
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	19	0.48
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	19	0.48
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	19	0.48
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	19	0.48
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	19	0.48
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	19	0.48
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD22	19	0.48
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	5	0.48
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	12	0.48
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG23	1	0.48
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	9	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	14	0.48
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG23	16	0.48
(1,1131)	1:104:A:GLU:H	1:104:A:GLU:HG2	1	0.48
(1,1131)	1:104:A:GLU:H	1:104:A:GLU:HG2	2	0.48
(1,886)	1:83:A:GLU:H	1:82:A:GLU:HG2	15	0.48
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	14	0.48
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	2	0.48
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	16	0.48
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD12	7	0.48
(1,248)	1:23:A:GLY:H	1:22:A:ASP:HB3	15	0.48
(1,68)	1:9:A:ILE:H	1:10:A:ALA:HB2	19	0.48
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB1	2	0.48
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	4	0.48
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	3	0.48
(1,20)	1:5:A:THR:H	1:8:A:GLN:HG3	9	0.48
(1,3444)	1:108:A:VAL:HG23	1:112:A:LEU:HG	6	0.47
(1,3415)	2:207:B:GLY:HA2	2:203:B:VAL:HG23	13	0.47
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	14	0.47
(1,3375)	2:208:B:LEU:HD11	2:208:B:LEU:HA	8	0.47
(1,3375)	2:208:B:LEU:HD12	2:208:B:LEU:HA	8	0.47
(1,3375)	2:208:B:LEU:HD13	2:208:B:LEU:HA	8	0.47
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB2	12	0.47
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB2	18	0.47
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD1	16	0.47
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD2	16	0.47
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	13	0.47
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD12	17	0.47
(1,3080)	1:109:A:MET:HG2	1:105:A:LEU:HD21	6	0.47
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	9	0.47
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	18	0.47
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	18	0.47
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	18	0.47
(1,2843)	1:105:A:LEU:HD23	1:100:A:ILE:HG22	17	0.47
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG21	17	0.47
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG22	15	0.47
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	20	0.47
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	6	0.47
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	12	0.47
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD13	13	0.47
(1,1131)	1:104:A:GLU:H	1:104:A:GLU:HG2	4	0.47
(1,1131)	1:104:A:GLU:H	1:104:A:GLU:HG2	15	0.47
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG2	6	0.47

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD11	4	0.47
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	9	0.47
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD13	6	0.47
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	12	0.47
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	14	0.47
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB1	1	0.47
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	20	0.46
(1,3347)	2:204:B:PHE:HZ	1:39:A:LEU:HD13	12	0.46
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD13	10	0.46
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	17	0.46
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HG12	1	0.46
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	3	0.46
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	3	0.46
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	3	0.46
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	10	0.46
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	10	0.46
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	10	0.46
(1,2723)	1:69:A:LEU:HD22	1:65:A:PHE:HE1	12	0.46
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	10	0.46
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD23	5	0.46
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD21	18	0.46
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	20	0.46
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	1	0.46
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	1	0.46
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD12	17	0.46
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG2	3	0.46
(1,1086)	1:100:A:ILE:H	1:100:A:ILE:HG13	7	0.46
(1,1086)	1:100:A:ILE:H	1:100:A:ILE:HG13	10	0.46
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HG12	2	0.46
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	5	0.46
(1,488)	1:45:A:GLU:H	1:45:A:GLU:HG2	10	0.46
(1,488)	1:45:A:GLU:H	1:45:A:GLU:HG3	10	0.46
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	1	0.46
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	11	0.46
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	6	0.46
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	14	0.46
(1,20)	1:5:A:THR:H	1:8:A:GLN:HG3	8	0.46
(1,3419)	2:208:B:LEU:HD22	2:212:B:LYS:HD2	20	0.45
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	15	0.45
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	8	0.45
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HG12	19	0.45
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	3	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	3	0.45
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	12	0.45
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	11	0.45
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	11	0.45
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	11	0.45
(1,2970)	1:136:A:VAL:HG23	1:100:A:ILE:HD11	12	0.45
(1,2806)	1:100:A:ILE:HG22	1:92:A:PHE:HE1	17	0.45
(1,2806)	1:100:A:ILE:HG21	1:92:A:PHE:HE1	19	0.45
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	2	0.45
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	12	0.45
(1,2150)	1:90:A:ARG:HA	1:90:A:ARG:HG2	1	0.45
(1,2150)	1:90:A:ARG:HA	1:90:A:ARG:HG2	18	0.45
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	6	0.45
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	6	0.45
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	6	0.45
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	2	0.45
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	2	0.45
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	13	0.45
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	13	0.45
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG23	11	0.45
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG22	12	0.45
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG22	20	0.45
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD12	4	0.45
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD11	7	0.45
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG23	16	0.45
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HG12	13	0.45
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HG12	18	0.45
(1,901)	1:84:A:GLU:H	1:83:A:GLU:HG3	17	0.45
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	20	0.45
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	3	0.45
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD11	7	0.45
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD12	13	0.45
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	14	0.45
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	18	0.45
(1,298)	1:27:A:ILE:H	1:26:A:THR:HG21	12	0.45
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	5	0.45
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	15	0.45
(1,3408)	1:144:A:MET:HE1	1:136:A:VAL:HG22	7	0.44
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB3	10	0.44
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	11	0.44
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	18	0.44
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HG12	16	0.44

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD22	4	0.44
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	8	0.44
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	8	0.44
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	8	0.44
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	20	0.44
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	20	0.44
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	20	0.44
(1,2814)	1:100:A:ILE:HD12	1:100:A:ILE:HG23	5	0.44
(1,2806)	1:100:A:ILE:HG22	1:92:A:PHE:HE1	20	0.44
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	18	0.44
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	18	0.44
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	18	0.44
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	18	0.44
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	18	0.44
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	18	0.44
(1,2723)	1:69:A:LEU:HD21	1:65:A:PHE:HE1	14	0.44
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD22	14	0.44
(1,2150)	1:90:A:ARG:HA	1:90:A:ARG:HG2	10	0.44
(1,2150)	1:90:A:ARG:HA	1:90:A:ARG:HG2	15	0.44
(1,2150)	1:90:A:ARG:HA	1:90:A:ARG:HG2	17	0.44
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	8	0.44
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	8	0.44
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD12	10	0.44
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD12	11	0.44
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD13	12	0.44
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG2	9	0.44
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG2	13	0.44
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD12	20	0.44
(1,901)	1:84:A:GLU:H	1:83:A:GLU:HG2	13	0.44
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	14	0.44
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG21	17	0.44
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD12	17	0.44
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	7	0.44
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	10	0.44
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	16	0.44
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB3	10	0.44
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	16	0.44
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	19	0.44
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	12	0.44
(1,3437)	1:39:A:LEU:HD23	1:91:A:VAL:HG12	6	0.43
(1,3436)	1:35:A:VAL:HG23	1:39:A:LEU:HB2	8	0.43
(1,3418)	2:208:B:LEU:HD22	2:212:B:LYS:HD2	20	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	19	0.43
(1,3410)	1:145:A:MET:HE3	2:217:B:ALA:HB3	3	0.43
(1,3406)	1:124:A:MET:HE2	1:121:A:VAL:HG22	2	0.43
(1,3375)	2:208:B:LEU:HD11	2:208:B:LEU:HA	18	0.43
(1,3375)	2:208:B:LEU:HD12	2:208:B:LEU:HA	18	0.43
(1,3375)	2:208:B:LEU:HD13	2:208:B:LEU:HA	18	0.43
(1,3176)	1:138:A:TYR:HE2	1:138:A:TYR:H	16	0.43
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD23	9	0.43
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD23	16	0.43
(1,2869)	1:109:A:MET:HE1	1:121:A:VAL:HG22	15	0.43
(1,2851)	1:105:A:LEU:HD23	1:92:A:PHE:HE1	3	0.43
(1,2662)	1:55:A:VAL:HG21	1:71:A:MET:HB3	7	0.43
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	5	0.43
(1,1493)	1:135:A:GLN:H	1:125:A:ILE:HG23	1	0.43
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG22	6	0.43
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD13	7	0.43
(1,1198)	1:109:A:MET:H	1:105:A:LEU:HD22	15	0.43
(1,1086)	1:100:A:ILE:H	1:100:A:ILE:HG13	12	0.43
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HG12	19	0.43
(1,873)	1:79:A:THR:H	1:77:A:LYS:H	20	0.43
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	12	0.43
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG21	4	0.43
(1,403)	1:35:A:VAL:H	1:19:A:PHE:HD2	6	0.43
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD13	9	0.43
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	3	0.43
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	4	0.43
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	13	0.43
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB1	18	0.43
(1,3407)	1:144:A:MET:HE2	1:85:A:ILE:HD12	17	0.42
(1,3406)	1:124:A:MET:HE2	1:121:A:VAL:HG21	20	0.42
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD11	4	0.42
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD12	11	0.42
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD23	1	0.42
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	3	0.42
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	3	0.42
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	3	0.42
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	3	0.42
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	3	0.42
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	3	0.42
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	9	0.42
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	9	0.42
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	9	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2631)	1:51:A:MET:HE1	1:51:A:MET:HG3	17	0.42
(1,2631)	1:51:A:MET:HE2	1:51:A:MET:HG3	17	0.42
(1,2631)	1:51:A:MET:HE3	1:51:A:MET:HG3	17	0.42
(1,2565)	1:32:A:LEU:HD21	2:204:B:PHE:HE2	3	0.42
(1,2337)	1:144:A:MET:HA	1:144:A:MET:HG2	10	0.42
(1,2337)	1:144:A:MET:HA	1:144:A:MET:HG2	11	0.42
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	3	0.42
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	4	0.42
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD11	17	0.42
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG21	7	0.42
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG22	13	0.42
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG22	18	0.42
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG23	2	0.42
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD12	18	0.42
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	5	0.42
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	15	0.42
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	17	0.42
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	15	0.42
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	20	0.42
(1,3427)	1:111:A:ASN:H	1:112:A:LEU:HD23	5	0.41
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB2	16	0.41
(1,3376)	2:208:B:LEU:HD13	1:19:A:PHE:HE1	5	0.41
(1,3367)	2:205:B:MET:HE3	1:68:A:PHE:HE1	9	0.41
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD12	15	0.41
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD2	13	0.41
(1,3322)	2:201:B:MET:HG3	2:204:B:PHE:HD1	15	0.41
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	10	0.41
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	12	0.41
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	15	0.41
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	7	0.41
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD23	3	0.41
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	2	0.41
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	2	0.41
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	2	0.41
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	6	0.41
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	6	0.41
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	6	0.41
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	5	0.41
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	1	0.41
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	1	0.41
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	1	0.41
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD12	19	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD11	1	0.41
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD12	17	0.41
(1,762)	1:68:A:PHE:H	1:63:A:ILE:HG12	12	0.41
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG23	11	0.41
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD12	12	0.41
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	18	0.41
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD11	4	0.41
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD12	10	0.41
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	9	0.41
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	19	0.41
(1,174)	1:16:A:PHE:H	1:68:A:PHE:HE2	12	0.41
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB1	7	0.41
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB3	13	0.41
(1,3422)	2:215:B:VAL:HG12	1:92:A:PHE:HE1	2	0.4
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	2	0.4
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	2	0.4
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	2	0.4
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	2	0.4
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	2	0.4
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	2	0.4
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	2	0.4
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	2	0.4
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	2	0.4
(1,3408)	1:144:A:MET:HE1	1:136:A:VAL:HG21	5	0.4
(1,3378)	2:208:B:LEU:HD21	1:19:A:PHE:HE1	19	0.4
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	5	0.4
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HG12	8	0.4
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	19	0.4
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	19	0.4
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD21	2	0.4
(1,2806)	1:100:A:ILE:HG22	1:92:A:PHE:HE1	11	0.4
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	5	0.4
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	5	0.4
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	5	0.4
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	5	0.4
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	5	0.4
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	5	0.4
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	5	0.4
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	5	0.4
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	5	0.4
(1,2662)	1:55:A:VAL:HG22	1:71:A:MET:HB3	9	0.4
(1,2662)	1:55:A:VAL:HG23	1:71:A:MET:HB3	15	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD23	14	0.4
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	20	0.4
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	20	0.4
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	20	0.4
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG2	3	0.4
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG3	3	0.4
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	5	0.4
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	19	0.4
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	12	0.4
(1,1413)	1:129:A:ASP:H	1:125:A:ILE:HG21	10	0.4
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD11	8	0.4
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HG12	16	0.4
(1,873)	1:79:A:THR:H	1:77:A:LYS:H	7	0.4
(1,873)	1:79:A:THR:H	1:77:A:LYS:H	13	0.4
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG21	13	0.4
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	2	0.4
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	2	0.4
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	8	0.4
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	11	0.4
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	9	0.39
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	9	0.39
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	9	0.39
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD12	12	0.39
(1,3375)	2:208:B:LEU:HD11	2:208:B:LEU:HA	3	0.39
(1,3375)	2:208:B:LEU:HD12	2:208:B:LEU:HA	3	0.39
(1,3375)	2:208:B:LEU:HD13	2:208:B:LEU:HA	3	0.39
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	9	0.39
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	9	0.39
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	7	0.39
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	12	0.39
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	12	0.39
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HG12	2	0.39
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD11	11	0.39
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD12	11	0.39
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD13	11	0.39
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD11	11	0.39
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD12	11	0.39
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD13	11	0.39
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	1	0.39
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	15	0.39
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	7	0.39
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	7	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	7	0.39
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	7	0.39
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	7	0.39
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	7	0.39
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	15	0.39
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	15	0.39
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	15	0.39
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	15	0.39
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	15	0.39
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	15	0.39
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	15	0.39
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	15	0.39
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	15	0.39
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	12	0.39
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	12	0.39
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	12	0.39
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	9	0.39
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	14	0.39
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	3	0.39
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	3	0.39
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	3	0.39
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	11	0.39
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	11	0.39
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	11	0.39
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG2	10	0.39
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG3	10	0.39
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG21	7	0.39
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD13	2	0.39
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	20	0.39
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	5	0.39
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	18	0.39
(1,1198)	1:109:A:MET:H	1:112:A:LEU:HD12	16	0.39
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD11	10	0.39
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD11	9	0.39
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD13	14	0.39
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD12	16	0.39
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD11	19	0.39
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	16	0.39
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG23	18	0.39
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD12	9	0.39
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	6	0.39
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	14	0.38
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	14	0.38
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD11	15	0.38
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	12	0.38
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	12	0.38
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	12	0.38
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	12	0.38
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	12	0.38
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	12	0.38
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	12	0.38
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	12	0.38
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	12	0.38
(1,3410)	1:145:A:MET:HE1	1:128:A:ALA:HB3	9	0.38
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	20	0.38
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	15	0.38
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	15	0.38
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	15	0.38
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB1	3	0.38
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB2	5	0.38
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	3	0.38
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	13	0.38
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	1	0.38
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	1	0.38
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	1	0.38
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	5	0.38
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	5	0.38
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	5	0.38
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	7	0.38
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	7	0.38
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	7	0.38
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	7	0.38
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	7	0.38
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	7	0.38
(1,2707)	1:63:A:ILE:HD12	1:52:A:ILE:H	14	0.38
(1,2629)	1:51:A:MET:HE1	1:51:A:MET:HB3	9	0.38
(1,2629)	1:51:A:MET:HE2	1:51:A:MET:HB3	9	0.38
(1,2629)	1:51:A:MET:HE3	1:51:A:MET:HB3	9	0.38
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	9	0.38
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	9	0.38
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	9	0.38
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG2	14	0.38
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG3	14	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	15	0.38
(1,1706)	1:49:A:GLN:HE22	1:52:A:ILE:HG22	7	0.38
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	15	0.38
(1,1086)	1:100:A:ILE:H	1:100:A:ILE:HG13	5	0.38
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG22	12	0.38
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	1	0.38
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	2	0.38
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	12	0.38
(1,103)	1:11:A:GLU:H	1:11:A:GLU:HG3	13	0.38
(1,72)	1:9:A:ILE:H	1:4:A:LEU:HB3	20	0.38
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	19	0.38
(1,3367)	2:205:B:MET:HE2	1:68:A:PHE:HE1	2	0.37
(1,3347)	2:204:B:PHE:HZ	1:39:A:LEU:HD12	5	0.37
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD13	5	0.37
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	6	0.37
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	6	0.37
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD12	15	0.37
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD22	15	0.37
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	6	0.37
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	6	0.37
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	6	0.37
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	12	0.37
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	12	0.37
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	12	0.37
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	9	0.37
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	9	0.37
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	9	0.37
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	9	0.37
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	9	0.37
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	9	0.37
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	9	0.37
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	9	0.37
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	9	0.37
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	9	0.37
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	9	0.37
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	9	0.37
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	14	0.37
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	14	0.37
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	14	0.37
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	14	0.37
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	14	0.37
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	14	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	19	0.37
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	19	0.37
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	19	0.37
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	19	0.37
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	19	0.37
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	19	0.37
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	13	0.37
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	13	0.37
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	13	0.37
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	5	0.37
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	5	0.37
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	5	0.37
(1,2662)	1:55:A:VAL:HG22	1:71:A:MET:HB3	10	0.37
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	3	0.37
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	3	0.37
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	3	0.37
(1,2434)	1:113:A:GLY:HA3	1:114:A:GLU:H	15	0.37
(1,2434)	1:113:A:GLY:HA3	1:114:A:GLU:H	20	0.37
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	11	0.37
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG2	17	0.37
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG3	17	0.37
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	11	0.37
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	7	0.37
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG22	10	0.37
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	14	0.37
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD13	12	0.37
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD12	11	0.37
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	13	0.37
(1,915)	1:86:A:ARG:H	1:84:A:GLU:HG3	9	0.37
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD12	2	0.37
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG23	5	0.37
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	8	0.37
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	2	0.37
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	18	0.37
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	8	0.37
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	8	0.37
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	8	0.37
(1,3)	1:3:A:GLN:H	1:3:A:GLN:HA	4	0.37
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	15	0.36
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	15	0.36
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	15	0.36
(1,3367)	2:205:B:MET:HE1	1:68:A:PHE:HE1	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	11	0.36
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	13	0.36
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	13	0.36
(1,3339)	2:204:B:PHE:HB2	1:39:A:LEU:HD11	12	0.36
(1,3322)	2:201:B:MET:HG3	2:204:B:PHE:HD1	11	0.36
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB3	1	0.36
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE3	5	0.36
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB2	1	0.36
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB3	6	0.36
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD11	9	0.36
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HG12	13	0.36
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD12	20	0.36
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	6	0.36
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	12	0.36
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE1	15	0.36
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE2	15	0.36
(1,3095)	1:144:A:MET:HG3	1:144:A:MET:HE3	15	0.36
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	2	0.36
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	17	0.36
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	17	0.36
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	17	0.36
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG11	19	0.36
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG12	19	0.36
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG13	19	0.36
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG11	19	0.36
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG12	19	0.36
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG13	19	0.36
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG11	19	0.36
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG12	19	0.36
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG13	19	0.36
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	2	0.36
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	2	0.36
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	2	0.36
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	2	0.36
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	2	0.36
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	2	0.36
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	12	0.36
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	12	0.36
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	12	0.36
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	12	0.36
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	12	0.36
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	12	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	10	0.36
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	10	0.36
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	10	0.36
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	11	0.36
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	11	0.36
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	11	0.36
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	17	0.36
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	17	0.36
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	17	0.36
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	18	0.36
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	18	0.36
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	18	0.36
(1,2746)	1:72:A:MET:HE1	1:72:A:MET:HG2	16	0.36
(1,2746)	1:72:A:MET:HE2	1:72:A:MET:HG2	16	0.36
(1,2746)	1:72:A:MET:HE3	1:72:A:MET:HG2	16	0.36
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	19	0.36
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	19	0.36
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	19	0.36
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	19	0.36
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	19	0.36
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	19	0.36
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	19	0.36
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	19	0.36
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	19	0.36
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	14	0.36
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	14	0.36
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	14	0.36
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	15	0.36
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	15	0.36
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	15	0.36
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	16	0.36
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	16	0.36
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	16	0.36
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	19	0.36
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	19	0.36
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	19	0.36
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	17	0.36
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	17	0.36
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	17	0.36
(1,2662)	1:55:A:VAL:HG22	1:71:A:MET:HB3	18	0.36
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	12	0.36
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	14	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	16	0.36
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	16	0.36
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	16	0.36
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	17	0.36
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	17	0.36
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	17	0.36
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG2	9	0.36
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG3	9	0.36
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG2	11	0.36
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG3	11	0.36
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	5	0.36
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	5	0.36
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	4	0.36
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	19	0.36
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG23	5	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	14	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	14	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	14	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	14	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	14	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	14	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	20	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	20	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	20	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	20	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	20	0.36
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	20	0.36
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG22	3	0.36
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD11	3	0.36
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	1	0.36
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	12	0.36
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG12	14	0.36
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD13	19	0.36
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG23	4	0.36
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	15	0.36
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	12	0.36
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	4	0.36
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	10	0.36
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	16	0.36
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	6	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	1	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	3	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	7	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	9	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	10	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	11	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	15	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	16	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	17	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	19	0.36
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	20	0.36
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	12	0.36
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	3	0.36
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	3	0.36
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	3	0.36
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD22	2	0.35
(1,3419)	2:208:B:LEU:HD21	2:212:B:LYS:HD2	7	0.35
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	7	0.35
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	7	0.35
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	7	0.35
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	7	0.35
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	7	0.35
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	7	0.35
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	7	0.35
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	7	0.35
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	7	0.35
(1,3378)	2:208:B:LEU:HD22	1:19:A:PHE:HE1	15	0.35
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	1	0.35
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	2	0.35
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	12	0.35
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	14	0.35
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD13	5	0.35
(1,3324)	2:201:B:MET:HG2	1:39:A:LEU:HD13	4	0.35
(1,3324)	2:201:B:MET:HG3	1:39:A:LEU:HD13	15	0.35
(1,3309)	2:214:B:GLY:HA2	2:217:B:ALA:HB1	11	0.35
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	1	0.35
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	1	0.35
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD11	6	0.35
(1,3102)	1:144:A:MET:HG2	1:144:A:MET:H	13	0.35
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	4	0.35
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	4	0.35
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	4	0.35
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	9	0.35
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	14	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD12	15	0.35
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	10	0.35
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	3	0.35
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	6	0.35
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	6	0.35
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	6	0.35
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	6	0.35
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	6	0.35
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	6	0.35
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	8	0.35
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	8	0.35
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	8	0.35
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	14	0.35
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	14	0.35
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	14	0.35
(1,2808)	1:100:A:ILE:HG21	1:104:A:GLU:HB2	3	0.35
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	19	0.35
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	19	0.35
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	19	0.35
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	7	0.35
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	7	0.35
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	7	0.35
(1,2662)	1:55:A:VAL:HG21	1:71:A:MET:HB3	5	0.35
(1,2630)	1:51:A:MET:HE3	1:32:A:LEU:HD22	7	0.35
(1,2434)	1:113:A:GLY:HA3	1:114:A:GLU:H	6	0.35
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	5	0.35
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG11	9	0.35
(1,2091)	1:73:A:ALA:HA	1:76:A:MET:HB2	15	0.35
(1,2091)	1:73:A:ALA:HA	1:76:A:MET:HB3	15	0.35
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG2	18	0.35
(1,1834)	1:6:A:GLU:HA	1:6:A:GLU:HG3	18	0.35
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	5	0.35
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD11	6	0.35
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	14	0.35
(1,1487)	1:134:A:GLY:H	1:125:A:ILE:HG23	10	0.35
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	9	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	11	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	11	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	11	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	11	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	11	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	11	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	19	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	19	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	19	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	19	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	19	0.35
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	19	0.35
(1,1151)	1:105:A:LEU:H	1:100:A:ILE:HG21	6	0.35
(1,1151)	1:105:A:LEU:H	1:100:A:ILE:HG23	14	0.35
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	2	0.35
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	4	0.35
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	6	0.35
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	7	0.35
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	10	0.35
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	11	0.35
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	16	0.35
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	17	0.35
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	19	0.35
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	4	0.35
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG23	3	0.35
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	11	0.35
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	6	0.35
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	2	0.35
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	9	0.35
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	10	0.35
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	14	0.35
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	5	0.35
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	6	0.35
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	8	0.35
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	13	0.35
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	2	0.35
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	2	0.35
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	2	0.35
(1,3437)	1:39:A:LEU:HD23	1:91:A:VAL:HG12	4	0.34
(1,3426)	1:40:A:GLY:H	1:39:A:LEU:HD23	20	0.34
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	5	0.34
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	7	0.34
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	9	0.34
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	10	0.34
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	8	0.34
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	9	0.34
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	9	0.34
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	9	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	18	0.34
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	18	0.34
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	18	0.34
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	3	0.34
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	18	0.34
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	19	0.34
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	8	0.34
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	8	0.34
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	14	0.34
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	14	0.34
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HG12	3	0.34
(1,3102)	1:144:A:MET:HG2	1:144:A:MET:H	16	0.34
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	18	0.34
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	11	0.34
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	12	0.34
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	5	0.34
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	4	0.34
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	4	0.34
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	4	0.34
(1,2970)	1:136:A:VAL:HG21	1:100:A:ILE:HD12	5	0.34
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	2	0.34
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	2	0.34
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	2	0.34
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	4	0.34
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	4	0.34
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	4	0.34
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	13	0.34
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	13	0.34
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	13	0.34
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	12	0.34
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	12	0.34
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	12	0.34
(1,2851)	1:105:A:LEU:HD21	1:92:A:PHE:HE1	15	0.34
(1,2764)	1:76:A:MET:HE1	1:76:A:MET:HA	17	0.34
(1,2764)	1:76:A:MET:HE2	1:76:A:MET:HA	17	0.34
(1,2764)	1:76:A:MET:HE3	1:76:A:MET:HA	17	0.34
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	11	0.34
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	11	0.34
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	11	0.34
(1,2662)	1:55:A:VAL:HG22	1:71:A:MET:HB3	2	0.34
(1,2657)	1:55:A:VAL:HG23	1:63:A:ILE:HG21	17	0.34
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	2	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	2	0.34
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	2	0.34
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	10	0.34
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	11	0.34
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	19	0.34
(1,2247)	1:121:A:VAL:HA	1:116:A:LEU:HD21	7	0.34
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	6	0.34
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	2	0.34
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	2	0.34
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	2	0.34
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	8	0.34
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	8	0.34
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	8	0.34
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	10	0.34
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	10	0.34
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	2	0.34
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	8	0.34
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	7	0.34
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD13	16	0.34
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG23	15	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	6	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	6	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	6	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	6	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	6	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	6	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	13	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	13	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	13	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	13	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	13	0.34
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	13	0.34
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	3	0.34
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	5	0.34
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	8	0.34
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	9	0.34
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	18	0.34
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	20	0.34
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	3	0.34
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	8	0.34
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	9	0.34
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	11	0.34
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	20	0.34
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	5	0.34
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	17	0.34
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	19	0.34
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	10	0.34
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG23	19	0.34
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	8	0.34
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	9	0.34
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	11	0.34
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	19	0.34
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	1	0.34
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	19	0.34
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	1	0.34
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	1	0.34
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	1	0.34
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	9	0.34
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	9	0.34
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	9	0.34
(1,3418)	2:208:B:LEU:HD21	2:212:B:LYS:HD2	7	0.33
(1,3413)	2:207:B:GLY:HA3	2:203:B:VAL:HG23	13	0.33
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB3	18	0.33
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	10	0.33
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	10	0.33
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	10	0.33
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	11	0.33
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	11	0.33
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	11	0.33
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	5	0.33
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	15	0.33
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	16	0.33
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	18	0.33
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	16	0.33
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD12	2	0.33
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	1	0.33
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	1	0.33
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	3	0.33
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	3	0.33
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	3	0.33
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	19	0.33
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	19	0.33
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	19	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	13	0.33
(1,3187)	1:141:A:PHE:HZ	1:92:A:PHE:HD2	18	0.33
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	9	0.33
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	9	0.33
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	17	0.33
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	17	0.33
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HD13	14	0.33
(1,3135)	1:89:A:PHE:HZ	1:100:A:ILE:HG12	18	0.33
(1,3102)	1:144:A:MET:HG2	1:144:A:MET:H	4	0.33
(1,3097)	1:144:A:MET:HG3	1:144:A:MET:HA	15	0.33
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	6	0.33
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	6	0.33
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	7	0.33
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	7	0.33
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	7	0.33
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	16	0.33
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	16	0.33
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	16	0.33
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	1	0.33
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	1	0.33
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	1	0.33
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	3	0.33
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	3	0.33
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	3	0.33
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	19	0.33
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	19	0.33
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	19	0.33
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	20	0.33
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	20	0.33
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	20	0.33
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	17	0.33
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	17	0.33
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	17	0.33
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	5	0.33
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	5	0.33
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	5	0.33
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	2	0.33
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	2	0.33
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	2	0.33
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	1	0.33
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	1	0.33
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	1	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	6	0.33
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	6	0.33
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	6	0.33
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	19	0.33
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	19	0.33
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	19	0.33
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	8	0.33
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	8	0.33
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	8	0.33
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	8	0.33
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	8	0.33
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	8	0.33
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	18	0.33
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	18	0.33
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	18	0.33
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	2	0.33
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	2	0.33
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	2	0.33
(1,2662)	1:55:A:VAL:HG21	1:71:A:MET:HB3	4	0.33
(1,2662)	1:55:A:VAL:HG23	1:71:A:MET:HB3	16	0.33
(1,2662)	1:55:A:VAL:HG21	1:71:A:MET:HB3	19	0.33
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	2	0.33
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	2	0.33
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	2	0.33
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	6	0.33
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	6	0.33
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	6	0.33
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	7	0.33
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	7	0.33
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	7	0.33
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	8	0.33
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	8	0.33
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	8	0.33
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	10	0.33
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	10	0.33
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	10	0.33
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	11	0.33
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	11	0.33
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	11	0.33
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	14	0.33
(1,2128)	1:86:A:ARG:HA	1:89:A:PHE:HB2	17	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	3	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	3	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	3	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	5	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	5	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	5	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	6	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	6	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	6	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	8	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	8	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	8	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	11	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	11	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	11	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	12	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	12	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	12	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	18	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	18	0.33
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	18	0.33
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	18	0.33
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	18	0.33
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	18	0.33
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	18	0.33
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	18	0.33
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	18	0.33
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	6	0.33
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	18	0.33
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	14	0.33
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	5	0.33
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	5	0.33
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	18	0.33
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	18	0.33
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	18	0.33
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	7	0.33
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	9	0.33
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	1	0.33
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	9	0.33
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	13	0.33
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	6	0.33
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	6	0.33
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	9	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	9	0.33
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	20	0.33
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	20	0.33
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	10	0.33
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	11	0.33
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD13	3	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	10	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	10	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	10	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	10	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	10	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	10	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	12	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	12	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	12	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	12	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	12	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	12	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	17	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	17	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	17	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	17	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	17	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	17	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	18	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	18	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	18	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	18	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	18	0.33
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	18	0.33
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	1	0.33
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	1	0.33
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	1	0.33
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	16	0.33
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	16	0.33
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	16	0.33
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD11	6	0.33
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	16	0.33
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	19	0.33
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	5	0.33
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	14	0.33
(1,920)	1:86:A:ARG:H	1:86:A:ARG:HB3	15	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	6	0.33
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	10	0.33
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	6	0.33
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	13	0.33
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	15	0.33
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	6	0.33
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	10	0.33
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	12	0.33
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	15	0.33
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD13	10	0.33
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG22	13	0.33
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	14	0.33
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD11	5	0.33
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	8	0.33
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	11	0.33
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	1	0.33
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	5	0.33
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	7	0.33
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	12	0.33
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	17	0.33
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	18	0.33
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	4	0.33
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	7	0.33
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	8	0.33
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	11	0.33
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	17	0.33
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	19	0.33
(1,27)	1:6:A:GLU:H	1:9:A:ILE:HG12	7	0.33
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	10	0.33
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	10	0.33
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	10	0.33
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	11	0.33
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	11	0.33
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	11	0.33
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	10	0.32
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	10	0.32
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	10	0.32
(1,3426)	1:40:A:GLY:H	1:39:A:LEU:HD22	6	0.32
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	15	0.32
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	15	0.32
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	15	0.32
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	16	0.32
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	16	0.32
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	19	0.32
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	19	0.32
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	19	0.32
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	13	0.32
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	9	0.32
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	1	0.32
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	1	0.32
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	1	0.32
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	18	0.32
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	18	0.32
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	18	0.32
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	3	0.32
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	3	0.32
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	3	0.32
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	4	0.32
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	13	0.32
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	13	0.32
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	9	0.32
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	9	0.32
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	9	0.32
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	9	0.32
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	15	0.32
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	15	0.32
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	15	0.32
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	15	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	3	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	3	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	3	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	8	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	8	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	8	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	18	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	18	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	18	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	20	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	20	0.32
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	20	0.32
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	2	0.32
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	5	0.32
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	13	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	11	0.32
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD12	1	0.32
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	12	0.32
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	6	0.32
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	14	0.32
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	14	0.32
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	14	0.32
(1,3003)	1:144:A:MET:HE1	1:144:A:MET:HG3	10	0.32
(1,3003)	1:144:A:MET:HE2	1:144:A:MET:HG3	10	0.32
(1,3003)	1:144:A:MET:HE3	1:144:A:MET:HG3	10	0.32
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	5	0.32
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	5	0.32
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	5	0.32
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	5	0.32
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	5	0.32
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	5	0.32
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	8	0.32
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	8	0.32
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	8	0.32
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	8	0.32
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	8	0.32
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	8	0.32
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	19	0.32
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	19	0.32
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	19	0.32
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	19	0.32
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	19	0.32
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	19	0.32
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	9	0.32
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	9	0.32
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	9	0.32
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	11	0.32
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	11	0.32
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	11	0.32
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	6	0.32
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	6	0.32
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	6	0.32
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	7	0.32
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	7	0.32
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	7	0.32
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	8	0.32
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	8	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	8	0.32
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	11	0.32
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	11	0.32
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	11	0.32
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	16	0.32
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	16	0.32
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	16	0.32
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	17	0.32
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	17	0.32
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	17	0.32
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	18	0.32
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	18	0.32
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	18	0.32
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	8	0.32
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	8	0.32
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	8	0.32
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	20	0.32
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	20	0.32
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	20	0.32
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	8	0.32
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	8	0.32
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	8	0.32
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	1	0.32
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	1	0.32
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	1	0.32
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	3	0.32
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	3	0.32
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	3	0.32
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	9	0.32
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	9	0.32
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	9	0.32
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	16	0.32
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	16	0.32
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	16	0.32
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	7	0.32
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	7	0.32
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	7	0.32
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	19	0.32
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	19	0.32
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	19	0.32
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	7	0.32
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	7	0.32
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	2	0.32
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	2	0.32
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	2	0.32
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	5	0.32
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	5	0.32
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	5	0.32
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	10	0.32
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	10	0.32
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	10	0.32
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	14	0.32
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	14	0.32
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	14	0.32
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	13	0.32
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	13	0.32
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	13	0.32
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	13	0.32
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	13	0.32
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	13	0.32
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	15	0.32
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	15	0.32
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	15	0.32
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	15	0.32
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	15	0.32
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	15	0.32
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	10	0.32
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	10	0.32
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	10	0.32
(1,2746)	1:72:A:MET:HE1	1:72:A:MET:HG2	6	0.32
(1,2746)	1:72:A:MET:HE2	1:72:A:MET:HG2	6	0.32
(1,2746)	1:72:A:MET:HE3	1:72:A:MET:HG2	6	0.32
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	12	0.32
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	12	0.32
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	12	0.32
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	10	0.32
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	10	0.32
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	10	0.32
(1,2662)	1:55:A:VAL:HG23	1:71:A:MET:HB3	3	0.32
(1,2662)	1:55:A:VAL:HG22	1:71:A:MET:HB3	12	0.32
(1,2657)	1:55:A:VAL:HG21	1:63:A:ILE:HG22	13	0.32
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	5	0.32
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	5	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	5	0.32
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	7	0.32
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	7	0.32
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	7	0.32
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	15	0.32
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	15	0.32
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	15	0.32
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	6	0.32
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	6	0.32
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	6	0.32
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	4	0.32
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	4	0.32
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	4	0.32
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	5	0.32
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	5	0.32
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	5	0.32
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	13	0.32
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	13	0.32
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	13	0.32
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	15	0.32
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	15	0.32
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	15	0.32
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	16	0.32
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	16	0.32
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	16	0.32
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	17	0.32
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	17	0.32
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	17	0.32
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	5	0.32
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	8	0.32
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	13	0.32
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	17	0.32
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	2	0.32
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	2	0.32
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	2	0.32
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	2	0.32
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	2	0.32
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	2	0.32
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	4	0.32
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	6	0.32
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	11	0.32
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	16	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	1	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	1	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	1	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	2	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	2	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	2	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	4	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	4	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	4	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	10	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	10	0.32
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	10	0.32
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	16	0.32
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	16	0.32
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	16	0.32
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	16	0.32
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	16	0.32
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	16	0.32
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	3	0.32
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	3	0.32
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	11	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	3	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	3	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	10	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	10	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	12	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	12	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	13	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	13	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	14	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	14	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	20	0.32
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	20	0.32
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	10	0.32
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	3	0.32
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	16	0.32
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	3	0.32
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	13	0.32
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	4	0.32
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	4	0.32
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	17	0.32
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	17	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	18	0.32
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	18	0.32
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	8	0.32
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	6	0.32
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	13	0.32
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	1	0.32
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	12	0.32
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	15	0.32
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	16	0.32
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	7	0.32
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	7	0.32
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	7	0.32
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	7	0.32
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	7	0.32
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	7	0.32
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	9	0.32
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	9	0.32
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	9	0.32
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	10	0.32
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	10	0.32
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	10	0.32
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	11	0.32
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	11	0.32
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	11	0.32
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG22	1	0.32
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	8	0.32
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	9	0.32
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	18	0.32
(1,915)	1:86:A:ARG:H	1:84:A:GLU:HG3	11	0.32
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	9	0.32
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	19	0.32
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HG21	8	0.32
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	16	0.32
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	1	0.32
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	2	0.32
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD11	20	0.32
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	17	0.32
(1,306)	1:27:A:ILE:H	1:27:A:ILE:HG12	20	0.32
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	13	0.32
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	18	0.32
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB2	5	0.32
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	7	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	2	0.32
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	4	0.32
(1,127)	1:13:A:LYS:H	1:13:A:LYS:HG3	14	0.32
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	14	0.32
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	13	0.32
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	13	0.32
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	13	0.32
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	15	0.31
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	15	0.31
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	15	0.31
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	15	0.31
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	15	0.31
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	15	0.31
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	15	0.31
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	15	0.31
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	15	0.31
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	15	0.31
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	15	0.31
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	15	0.31
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	15	0.31
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	15	0.31
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	15	0.31
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	15	0.31
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	15	0.31
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	15	0.31
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB3	15	0.31
(1,3408)	1:144:A:MET:HE3	2:215:B:VAL:HG12	18	0.31
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	4	0.31
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	4	0.31
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	8	0.31
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	8	0.31
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	8	0.31
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB1	6	0.31
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	9	0.31
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB3	10	0.31
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB2	5	0.31
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB3	5	0.31
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	18	0.31
(1,3122)	1:65:A:PHE:HZ	1:9:A:ILE:HG21	14	0.31
(1,3122)	1:65:A:PHE:HZ	1:9:A:ILE:HG22	14	0.31
(1,3122)	1:65:A:PHE:HZ	1:9:A:ILE:HG23	14	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	6	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	6	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	6	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	7	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	7	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	7	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	9	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	9	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	9	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	12	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	12	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	12	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	14	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	14	0.31
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	14	0.31
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	3	0.31
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	10	0.31
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	13	0.31
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	15	0.31
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	13	0.31
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	19	0.31
(1,3068)	1:76:A:MET:HG3	1:73:A:ALA:HA	17	0.31
(1,3067)	1:76:A:MET:HG3	1:76:A:MET:H	14	0.31
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	4	0.31
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	4	0.31
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	4	0.31
(1,3003)	1:144:A:MET:HE1	1:144:A:MET:HG3	11	0.31
(1,3003)	1:144:A:MET:HE2	1:144:A:MET:HG3	11	0.31
(1,3003)	1:144:A:MET:HE3	1:144:A:MET:HG3	11	0.31
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	14	0.31
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	14	0.31
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	14	0.31
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	14	0.31
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	14	0.31
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	14	0.31
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	20	0.31
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	20	0.31
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	20	0.31
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	20	0.31
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	20	0.31
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	20	0.31
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	9	0.31
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	9	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	9	0.31
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	10	0.31
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	10	0.31
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	10	0.31
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	15	0.31
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	15	0.31
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	15	0.31
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	2	0.31
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	2	0.31
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	2	0.31
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	14	0.31
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	14	0.31
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	14	0.31
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	6	0.31
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	6	0.31
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	6	0.31
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	7	0.31
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	7	0.31
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	7	0.31
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	10	0.31
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	10	0.31
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	10	0.31
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	12	0.31
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	12	0.31
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	12	0.31
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	13	0.31
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	13	0.31
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	13	0.31
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	18	0.31
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	18	0.31
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	18	0.31
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	19	0.31
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	19	0.31
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	19	0.31
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	19	0.31
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	19	0.31
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	19	0.31
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	3	0.31
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	3	0.31
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	3	0.31
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	15	0.31
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	15	0.31
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	20	0.31
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	20	0.31
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	20	0.31
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	4	0.31
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	4	0.31
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	4	0.31
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	12	0.31
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	12	0.31
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	12	0.31
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	16	0.31
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	16	0.31
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	16	0.31
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	16	0.31
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	16	0.31
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	16	0.31
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	16	0.31
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	16	0.31
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	16	0.31
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	13	0.31
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	13	0.31
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	13	0.31
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	10	0.31
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	10	0.31
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	10	0.31
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	12	0.31
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	12	0.31
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	12	0.31
(1,2565)	1:32:A:LEU:HD23	2:204:B:PHE:HE2	18	0.31
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	1	0.31
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	1	0.31
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	1	0.31
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	3	0.31
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	3	0.31
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	3	0.31
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	9	0.31
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	9	0.31
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	9	0.31
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	19	0.31
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	19	0.31
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	19	0.31
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	20	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	20	0.31
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	20	0.31
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	2	0.31
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	3	0.31
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	4	0.31
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	9	0.31
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	15	0.31
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	20	0.31
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	17	0.31
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	19	0.31
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	14	0.31
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	14	0.31
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	14	0.31
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	15	0.31
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	15	0.31
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	15	0.31
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	3	0.31
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	8	0.31
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	16	0.31
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	10	0.31
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	10	0.31
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	10	0.31
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	1	0.31
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	2	0.31
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	4	0.31
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	10	0.31
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	12	0.31
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	13	0.31
(1,1818)	1:137:A:ASN:HD22	1:139:A:GLU:HB3	9	0.31
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	4	0.31
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	8	0.31
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	11	0.31
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	11	0.31
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	16	0.31
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	16	0.31
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	19	0.31
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	19	0.31
(1,1517)	1:136:A:VAL:H	1:100:A:ILE:HD12	17	0.31
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	15	0.31
(1,1473)	1:133:A:ASP:H	1:132:A:GLY:HA3	12	0.31
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	13	0.31
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	3	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	2	0.31
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	3	0.31
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	4	0.31
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	6	0.31
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	9	0.31
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	10	0.31
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	11	0.31
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD11	8	0.31
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD12	8	0.31
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD13	8	0.31
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD21	8	0.31
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD22	8	0.31
(1,1182)	1:108:A:VAL:H	1:105:A:LEU:HD23	8	0.31
(1,1159)	1:106:A:ARG:H	1:105:A:LEU:HD12	11	0.31
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD21	16	0.31
(1,1151)	1:105:A:LEU:H	1:100:A:ILE:HG21	17	0.31
(1,1093)	1:101:A:SER:H	1:104:A:GLU:HG2	16	0.31
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	2	0.31
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	18	0.31
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD12	15	0.31
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	7	0.31
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	10	0.31
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	13	0.31
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	16	0.31
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	17	0.31
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	18	0.31
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	18	0.31
(1,873)	1:79:A:THR:H	1:77:A:LYS:H	17	0.31
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	1	0.31
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	12	0.31
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	14	0.31
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	17	0.31
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	3	0.31
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	11	0.31
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	16	0.31
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	16	0.31
(1,258)	1:24:A:ASP:H	1:22:A:ASP:HB2	14	0.31
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	13	0.31
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	16	0.31
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB3	18	0.31
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	12	0.31
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	4	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	4	0.31
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	4	0.31
(1,3443)	1:108:A:VAL:HG21	1:112:A:LEU:HD13	20	0.3
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	1	0.3
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	1	0.3
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	1	0.3
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB3	14	0.3
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	12	0.3
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	12	0.3
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	12	0.3
(1,3376)	2:208:B:LEU:HD12	1:92:A:PHE:HE2	20	0.3
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	16	0.3
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD13	7	0.3
(1,3346)	2:204:B:PHE:HE2	1:39:A:LEU:HD13	19	0.3
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	8	0.3
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	8	0.3
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	17	0.3
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	17	0.3
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD1	12	0.3
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB1	11	0.3
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	3	0.3
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	3	0.3
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	19	0.3
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	19	0.3
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	2	0.3
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	3	0.3
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	16	0.3
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	20	0.3
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	6	0.3
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	6	0.3
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	6	0.3
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	6	0.3
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	11	0.3
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	11	0.3
(1,3106)	1:145:A:MET:HG2	1:142:A:VAL:HA	18	0.3
(1,3106)	1:145:A:MET:HG3	1:142:A:VAL:HA	18	0.3
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	17	0.3
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	10	0.3
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	3	0.3
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	6	0.3
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	19	0.3
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	7	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	1	0.3
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	15	0.3
(1,3063)	1:76:A:MET:HG2	1:76:A:MET:HA	8	0.3
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	16	0.3
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	16	0.3
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	16	0.3
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	10	0.3
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	10	0.3
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	10	0.3
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	3	0.3
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	3	0.3
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	3	0.3
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	3	0.3
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	3	0.3
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	3	0.3
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	18	0.3
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	18	0.3
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	18	0.3
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	18	0.3
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	18	0.3
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	18	0.3
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	11	0.3
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	11	0.3
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	11	0.3
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	13	0.3
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	13	0.3
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	13	0.3
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	18	0.3
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	18	0.3
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	18	0.3
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	6	0.3
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	6	0.3
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	6	0.3
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	10	0.3
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	10	0.3
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	10	0.3
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	14	0.3
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	14	0.3
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	14	0.3
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	18	0.3
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	18	0.3
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	4	0.3
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	4	0.3
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	4	0.3
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	4	0.3
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	4	0.3
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	4	0.3
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	5	0.3
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	5	0.3
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	5	0.3
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	12	0.3
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	12	0.3
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	12	0.3
(1,2951)	1:130:A:ILE:HG21	1:130:A:ILE:HA	14	0.3
(1,2951)	1:130:A:ILE:HG22	1:130:A:ILE:HA	14	0.3
(1,2951)	1:130:A:ILE:HG23	1:130:A:ILE:HA	14	0.3
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	15	0.3
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	15	0.3
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	15	0.3
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	16	0.3
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	16	0.3
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	16	0.3
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	14	0.3
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	14	0.3
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	14	0.3
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	17	0.3
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	17	0.3
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	17	0.3
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	4	0.3
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	4	0.3
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	4	0.3
(1,2843)	1:105:A:LEU:HD22	1:100:A:ILE:HG23	8	0.3
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	20	0.3
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	20	0.3
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	20	0.3
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	2	0.3
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	2	0.3
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	2	0.3
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	4	0.3
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	4	0.3
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	4	0.3
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	5	0.3
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	5	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	5	0.3
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	8	0.3
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	8	0.3
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	8	0.3
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	12	0.3
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	12	0.3
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	12	0.3
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	16	0.3
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	16	0.3
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	16	0.3
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	18	0.3
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	18	0.3
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	18	0.3
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	5	0.3
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	5	0.3
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	5	0.3
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	6	0.3
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	6	0.3
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	6	0.3
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	1	0.3
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	1	0.3
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	1	0.3
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	1	0.3
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	1	0.3
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	1	0.3
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	5	0.3
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	5	0.3
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	5	0.3
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	5	0.3
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	5	0.3
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	5	0.3
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	5	0.3
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	5	0.3
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	5	0.3
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	14	0.3
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	14	0.3
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	14	0.3
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	6	0.3
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	6	0.3
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	6	0.3
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	1	0.3
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	1	0.3
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	8	0.3
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	8	0.3
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	8	0.3
(1,2662)	1:55:A:VAL:HG21	1:71:A:MET:HB3	14	0.3
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	7	0.3
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	7	0.3
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	7	0.3
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	19	0.3
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	19	0.3
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	19	0.3
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	13	0.3
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	13	0.3
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	13	0.3
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	19	0.3
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	19	0.3
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	19	0.3
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	14	0.3
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	14	0.3
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	14	0.3
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	18	0.3
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	18	0.3
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	18	0.3
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	1	0.3
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	1	0.3
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	1	0.3
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	2	0.3
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	2	0.3
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	2	0.3
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	4	0.3
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	4	0.3
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	4	0.3
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	9	0.3
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	9	0.3
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	9	0.3
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	13	0.3
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	13	0.3
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	13	0.3
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	1	0.3
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	13	0.3
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	13	0.3
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	13	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	13	0.3
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	13	0.3
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	13	0.3
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	6	0.3
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	17	0.3
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG22	16	0.3
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	12	0.3
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	17	0.3
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	9	0.3
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	9	0.3
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG13	5	0.3
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	7	0.3
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	18	0.3
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	19	0.3
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG11	20	0.3
(1,2099)	1:75:A:LYS:HA	1:75:A:LYS:HD2	17	0.3
(1,2099)	1:75:A:LYS:HA	1:75:A:LYS:HD3	17	0.3
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	6	0.3
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	6	0.3
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	8	0.3
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	8	0.3
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	16	0.3
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	16	0.3
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	3	0.3
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	6	0.3
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	7	0.3
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	8	0.3
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	9	0.3
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	11	0.3
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	14	0.3
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	17	0.3
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	20	0.3
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	1	0.3
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	1	0.3
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	10	0.3
(1,1380)	1:126:A:ARG:H	1:126:A:ARG:HD2	19	0.3
(1,1380)	1:126:A:ARG:H	1:126:A:ARG:HD3	19	0.3
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	1	0.3
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	8	0.3
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	13	0.3
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	14	0.3
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	18	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	20	0.3
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	4	0.3
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	4	0.3
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	4	0.3
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	7	0.3
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	7	0.3
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	7	0.3
(1,1142)	1:105:A:LEU:H	1:104:A:GLU:HG2	16	0.3
(1,1131)	1:104:A:GLU:H	1:104:A:GLU:HG2	16	0.3
(1,1114)	1:102:A:ALA:H	1:135:A:GLN:HG2	15	0.3
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	6	0.3
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	4	0.3
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	5	0.3
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	7	0.3
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	14	0.3
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	17	0.3
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	14	0.3
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD11	1	0.3
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD13	13	0.3
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG22	7	0.3
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG22	20	0.3
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	9	0.3
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	10	0.3
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	6	0.3
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	6	0.3
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	6	0.3
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	12	0.29
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	12	0.29
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	12	0.29
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	10	0.29
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	10	0.29
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	10	0.29
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	10	0.29
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	10	0.29
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	10	0.29
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	10	0.29
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	10	0.29
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	10	0.29
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	4	0.29
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	17	0.29
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	13	0.29
(1,3347)	2:204:B:PHE:HZ	1:39:A:LEU:HD13	7	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	11	0.29
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	2	0.29
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	2	0.29
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	2	0.29
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	14	0.29
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	14	0.29
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	14	0.29
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	16	0.29
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	16	0.29
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	16	0.29
(1,3322)	2:201:B:MET:HG2	2:204:B:PHE:HD1	10	0.29
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	15	0.29
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	6	0.29
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	6	0.29
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB2	18	0.29
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB3	18	0.29
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	4	0.29
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	13	0.29
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	15	0.29
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	15	0.29
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	17	0.29
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	17	0.29
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	17	0.29
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	17	0.29
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	7	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	5	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	5	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	5	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	13	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	13	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	13	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	16	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	16	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	16	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	17	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	17	0.29
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	17	0.29
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	16	0.29
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	1	0.29
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	11	0.29
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	1	0.29
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	1	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	3	0.29
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	14	0.29
(1,3068)	1:76:A:MET:HG3	1:73:A:ALA:HA	15	0.29
(1,3063)	1:76:A:MET:HG2	1:76:A:MET:HA	7	0.29
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG11	5	0.29
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG12	5	0.29
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG13	5	0.29
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG11	5	0.29
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG12	5	0.29
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG13	5	0.29
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG11	5	0.29
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG12	5	0.29
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG13	5	0.29
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	20	0.29
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	20	0.29
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	20	0.29
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	17	0.29
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	17	0.29
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	17	0.29
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	17	0.29
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	17	0.29
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	17	0.29
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	3	0.29
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	3	0.29
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	3	0.29
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	7	0.29
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	7	0.29
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	7	0.29
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	17	0.29
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	17	0.29
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	17	0.29
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	20	0.29
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	20	0.29
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	20	0.29
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	4	0.29
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	4	0.29
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	4	0.29
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	1	0.29
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	1	0.29
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	1	0.29
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	2	0.29
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	2	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	2	0.29
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	3	0.29
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	3	0.29
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	3	0.29
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	4	0.29
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	4	0.29
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	4	0.29
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	5	0.29
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	5	0.29
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	5	0.29
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	15	0.29
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	15	0.29
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	15	0.29
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	16	0.29
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	16	0.29
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	16	0.29
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	17	0.29
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	17	0.29
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	17	0.29
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	3	0.29
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	3	0.29
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	3	0.29
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	2	0.29
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	2	0.29
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	2	0.29
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	11	0.29
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	11	0.29
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	11	0.29
(1,2876)	1:112:A:LEU:HD11	1:112:A:LEU:HA	15	0.29
(1,2876)	1:112:A:LEU:HD12	1:112:A:LEU:HA	15	0.29
(1,2876)	1:112:A:LEU:HD13	1:112:A:LEU:HA	15	0.29
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	15	0.29
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	15	0.29
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	15	0.29
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	15	0.29
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	15	0.29
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	15	0.29
(1,2843)	1:105:A:LEU:HD21	1:100:A:ILE:HG22	14	0.29
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	13	0.29
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	13	0.29
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	13	0.29
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	15	0.29
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	15	0.29
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	1	0.29
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	1	0.29
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	1	0.29
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	6	0.29
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	6	0.29
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	6	0.29
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	9	0.29
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	9	0.29
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	9	0.29
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	10	0.29
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	10	0.29
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	10	0.29
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	11	0.29
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	11	0.29
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	11	0.29
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	13	0.29
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	13	0.29
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	13	0.29
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	17	0.29
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	17	0.29
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	17	0.29
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	13	0.29
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	13	0.29
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	13	0.29
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	14	0.29
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	14	0.29
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	14	0.29
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	17	0.29
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	17	0.29
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	17	0.29
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	17	0.29
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	17	0.29
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	17	0.29
(1,2771)	1:85:A:ILE:HG21	1:142:A:VAL:HA	16	0.29
(1,2771)	1:85:A:ILE:HG22	1:142:A:VAL:HA	16	0.29
(1,2771)	1:85:A:ILE:HG23	1:142:A:VAL:HA	16	0.29
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	8	0.29
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	8	0.29
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	8	0.29
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	12	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	12	0.29
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	12	0.29
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	12	0.29
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	12	0.29
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	12	0.29
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	12	0.29
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	12	0.29
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	12	0.29
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	20	0.29
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	20	0.29
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	20	0.29
(1,2707)	1:63:A:ILE:HD12	1:52:A:ILE:H	1	0.29
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	6	0.29
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	6	0.29
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	6	0.29
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	8	0.29
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	8	0.29
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	8	0.29
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	8	0.29
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	8	0.29
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	8	0.29
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	4	0.29
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	4	0.29
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	4	0.29
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	18	0.29
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	18	0.29
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	18	0.29
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	14	0.29
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	14	0.29
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	14	0.29
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	6	0.29
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	6	0.29
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	6	0.29
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	2	0.29
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	2	0.29
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	2	0.29
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	5	0.29
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	5	0.29
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	5	0.29
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	13	0.29
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	13	0.29
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	13	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	14	0.29
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	14	0.29
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	14	0.29
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	20	0.29
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	20	0.29
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	20	0.29
(1,2592)	1:35:A:VAL:HG22	2:204:B:PHE:HZ	11	0.29
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	2	0.29
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	2	0.29
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	2	0.29
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	4	0.29
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	4	0.29
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	4	0.29
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	5	0.29
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	5	0.29
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	5	0.29
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	8	0.29
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	8	0.29
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	8	0.29
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	15	0.29
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	15	0.29
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	15	0.29
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	17	0.29
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	17	0.29
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	17	0.29
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	9	0.29
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	9	0.29
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	9	0.29
(1,2517)	1:26:A:THR:HG21	1:26:A:THR:HA	12	0.29
(1,2517)	1:26:A:THR:HG22	1:26:A:THR:HA	12	0.29
(1,2517)	1:26:A:THR:HG23	1:26:A:THR:HA	12	0.29
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	1	0.29
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	1	0.29
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	1	0.29
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	6	0.29
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	6	0.29
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	6	0.29
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	11	0.29
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	11	0.29
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	11	0.29
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	6	0.29
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	6	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	6	0.29
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	8	0.29
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	8	0.29
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	8	0.29
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	10	0.29
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	10	0.29
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	10	0.29
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	11	0.29
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	11	0.29
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	11	0.29
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	17	0.29
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	17	0.29
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	17	0.29
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	20	0.29
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	20	0.29
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	20	0.29
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	7	0.29
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	11	0.29
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	1	0.29
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	2	0.29
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	6	0.29
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	10	0.29
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	11	0.29
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	12	0.29
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	13	0.29
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	8	0.29
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	10	0.29
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	20	0.29
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	1	0.29
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	19	0.29
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	19	0.29
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	19	0.29
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	5	0.29
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	15	0.29
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	15	0.29
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	15	0.29
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	16	0.29
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	16	0.29
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	16	0.29
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	4	0.29
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	13	0.29
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	1	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	1	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	2	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	2	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	4	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	4	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	9	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	9	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	11	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	11	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	19	0.29
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	19	0.29
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	4	0.29
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	4	0.29
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	4	0.29
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	5	0.29
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	5	0.29
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	5	0.29
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	5	0.29
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	15	0.29
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	19	0.29
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	13	0.29
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	17	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	3	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	3	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	8	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	8	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	9	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	9	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	13	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	13	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	20	0.29
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	20	0.29
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	11	0.29
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	1	0.29
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	7	0.29
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	12	0.29
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	15	0.29
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	1	0.29
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	1	0.29
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	15	0.29
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	15	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	19	0.29
(1,1517)	1:136:A:VAL:H	1:100:A:ILE:HD11	9	0.29
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	3	0.29
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	4	0.29
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	8	0.29
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	9	0.29
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	15	0.29
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	18	0.29
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	7	0.29
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG22	19	0.29
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	17	0.29
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	19	0.29
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	2	0.29
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	2	0.29
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	2	0.29
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	3	0.29
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	3	0.29
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	3	0.29
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	1	0.29
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	3	0.29
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	20	0.29
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	20	0.29
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	3	0.29
(1,998)	1:93:A:ASP:H	1:100:A:ILE:HG23	5	0.29
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	5	0.29
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	16	0.29
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	4	0.29
(1,628)	1:57:A:ALA:H	1:60:A:ASN:H	19	0.29
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	17	0.29
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	17	0.29
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	17	0.29
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	7	0.29
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	9	0.29
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	10	0.29
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	16	0.29
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	7	0.29
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	9	0.29
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD11	3	0.29
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD12	5	0.29
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG22	1	0.29
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD13	2	0.29
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	12	0.29
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	15	0.29
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB2	16	0.29
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	12	0.29
(1,51)	1:8:A:GLN:H	1:10:A:ALA:HB2	14	0.29
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	3	0.29
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	4	0.29
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	16	0.29
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	18	0.29
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	11	0.28
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	11	0.28
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	11	0.28
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	11	0.28
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	11	0.28
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	11	0.28
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	11	0.28
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	11	0.28
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	11	0.28
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	3	0.28
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	2	0.28
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	2	0.28
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	2	0.28
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	9	0.28
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	9	0.28
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	9	0.28
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	4	0.28
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	17	0.28
(1,3347)	2:204:B:PHE:HZ	1:39:A:LEU:HD12	15	0.28
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	9	0.28
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	9	0.28
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	9	0.28
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	12	0.28
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	19	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	4	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	4	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	13	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	13	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	16	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	16	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	17	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	17	0.28
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	18	0.28
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB2	4	0.28
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	14	0.28
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	17	0.28
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	7	0.28
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	7	0.28
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	1	0.28
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	1	0.28
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	1	0.28
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	1	0.28
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	13	0.28
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	13	0.28
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	13	0.28
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	13	0.28
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	10	0.28
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	10	0.28
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	20	0.28
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	19	0.28
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	20	0.28
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD22	14	0.28
(1,3071)	1:109:A:MET:HG3	1:106:A:ARG:HA	5	0.28
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	4	0.28
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	9	0.28
(1,3069)	1:76:A:MET:HG3	1:76:A:MET:HA	10	0.28
(1,3063)	1:76:A:MET:HG2	1:76:A:MET:HA	2	0.28
(1,3008)	1:144:A:MET:HE1	1:128:A:ALA:HA	13	0.28
(1,3008)	1:144:A:MET:HE2	1:128:A:ALA:HA	13	0.28
(1,3008)	1:144:A:MET:HE3	1:128:A:ALA:HA	13	0.28
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	3	0.28
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	3	0.28
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	3	0.28
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	6	0.28
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	6	0.28
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	6	0.28
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	7	0.28
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	7	0.28
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	7	0.28
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	8	0.28
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	8	0.28
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	8	0.28
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	12	0.28
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	12	0.28
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	14	0.28
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	14	0.28
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	14	0.28
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	18	0.28
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	18	0.28
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	18	0.28
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	1	0.28
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	1	0.28
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	1	0.28
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	1	0.28
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	1	0.28
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	1	0.28
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	12	0.28
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	12	0.28
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	12	0.28
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	12	0.28
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	12	0.28
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	12	0.28
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	15	0.28
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	15	0.28
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	15	0.28
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	15	0.28
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	15	0.28
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	15	0.28
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	8	0.28
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	8	0.28
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	8	0.28
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	10	0.28
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	10	0.28
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	10	0.28
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	20	0.28
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	20	0.28
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	20	0.28
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	1	0.28
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	1	0.28
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	1	0.28
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	2	0.28
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	2	0.28
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	2	0.28
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	8	0.28
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	8	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	8	0.28
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	9	0.28
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	9	0.28
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	9	0.28
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	17	0.28
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	17	0.28
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	17	0.28
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	7	0.28
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	7	0.28
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	7	0.28
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	8	0.28
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	8	0.28
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	8	0.28
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	9	0.28
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	9	0.28
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	9	0.28
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	12	0.28
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	12	0.28
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	12	0.28
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	13	0.28
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	13	0.28
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	13	0.28
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	18	0.28
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	18	0.28
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	18	0.28
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	19	0.28
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	19	0.28
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	19	0.28
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	16	0.28
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	16	0.28
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	16	0.28
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	1	0.28
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	1	0.28
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	1	0.28
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	1	0.28
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	1	0.28
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	1	0.28
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	15	0.28
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	15	0.28
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	15	0.28
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	6	0.28
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	6	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	6	0.28
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	14	0.28
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	14	0.28
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	14	0.28
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	1	0.28
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	1	0.28
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	1	0.28
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	3	0.28
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	3	0.28
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	3	0.28
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	4	0.28
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	4	0.28
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	4	0.28
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	9	0.28
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	9	0.28
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	9	0.28
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	5	0.28
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	5	0.28
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	5	0.28
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	10	0.28
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	10	0.28
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	10	0.28
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	12	0.28
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	12	0.28
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	12	0.28
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	12	0.28
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	12	0.28
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	12	0.28
(1,2806)	1:100:A:ILE:HG23	1:92:A:PHE:HE1	6	0.28
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	14	0.28
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	14	0.28
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	14	0.28
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	9	0.28
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	9	0.28
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	9	0.28
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	20	0.28
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	20	0.28
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	20	0.28
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	5	0.28
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	5	0.28
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	5	0.28
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	13	0.28
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	13	0.28
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	14	0.28
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	14	0.28
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	14	0.28
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	14	0.28
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	14	0.28
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	14	0.28
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	20	0.28
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	20	0.28
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	20	0.28
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	7	0.28
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	7	0.28
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	7	0.28
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	7	0.28
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	7	0.28
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	7	0.28
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	7	0.28
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	7	0.28
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	7	0.28
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	14	0.28
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	14	0.28
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	14	0.28
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	14	0.28
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	14	0.28
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	14	0.28
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	14	0.28
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	14	0.28
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	14	0.28
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	4	0.28
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	4	0.28
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	4	0.28
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	9	0.28
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	9	0.28
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	9	0.28
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	10	0.28
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	10	0.28
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	10	0.28
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	17	0.28
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	17	0.28
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	17	0.28
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	9	0.28
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	9	0.28
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	11	0.28
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	11	0.28
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	11	0.28
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	17	0.28
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	17	0.28
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	17	0.28
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	20	0.28
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	20	0.28
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	20	0.28
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	13	0.28
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	13	0.28
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	13	0.28
(1,2677)	1:55:A:VAL:HG11	1:68:A:PHE:HD1	1	0.28
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	4	0.28
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	4	0.28
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	4	0.28
(1,2662)	1:55:A:VAL:HG21	1:71:A:MET:HB3	20	0.28
(1,2657)	1:55:A:VAL:HG22	1:63:A:ILE:HG21	1	0.28
(1,2631)	1:51:A:MET:HE1	1:51:A:MET:HG3	14	0.28
(1,2631)	1:51:A:MET:HE2	1:51:A:MET:HG3	14	0.28
(1,2631)	1:51:A:MET:HE3	1:51:A:MET:HG3	14	0.28
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	3	0.28
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	3	0.28
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	3	0.28
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	4	0.28
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	4	0.28
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	4	0.28
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	9	0.28
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	9	0.28
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	9	0.28
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	10	0.28
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	10	0.28
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	10	0.28
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	12	0.28
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	12	0.28
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	12	0.28
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	16	0.28
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	16	0.28
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	16	0.28
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	18	0.28
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	18	0.28
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	3	0.28
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	3	0.28
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	3	0.28
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	7	0.28
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	7	0.28
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	7	0.28
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	9	0.28
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	9	0.28
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	9	0.28
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	10	0.28
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	10	0.28
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	10	0.28
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	11	0.28
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	11	0.28
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	11	0.28
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	12	0.28
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	12	0.28
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	12	0.28
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	16	0.28
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	16	0.28
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	16	0.28
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	1	0.28
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	1	0.28
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	1	0.28
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	2	0.28
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	2	0.28
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	2	0.28
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	3	0.28
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	3	0.28
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	3	0.28
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	9	0.28
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	9	0.28
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	9	0.28
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	10	0.28
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	10	0.28
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	10	0.28
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	17	0.28
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	17	0.28
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	17	0.28
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	20	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	20	0.28
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	20	0.28
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	18	0.28
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	18	0.28
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	18	0.28
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	18	0.28
(1,2402)	1:33:A:GLY:HA3	1:43:A:PRO:HG2	19	0.28
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	9	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	3	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	4	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	7	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	8	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	9	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	14	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	16	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	17	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	18	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	19	0.28
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	20	0.28
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	2	0.28
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	9	0.28
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	1	0.28
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	1	0.28
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	15	0.28
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	15	0.28
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	16	0.28
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	16	0.28
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	16	0.28
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	16	0.28
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	16	0.28
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	7	0.28
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	13	0.28
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	13	0.28
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	13	0.28
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	17	0.28
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	17	0.28
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	17	0.28
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	2	0.28
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	10	0.28
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	15	0.28
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	19	0.28
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	9	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG2	15	0.28
(1,1927)	1:21:A:LYS:HA	1:21:A:LYS:HG3	15	0.28
(1,1872)	1:11:A:GLU:HA	1:11:A:GLU:HG3	13	0.28
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	20	0.28
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	14	0.28
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG2	6	0.28
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG3	6	0.28
(1,1713)	1:49:A:GLN:HE21	1:52:A:ILE:HG22	7	0.28
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	2	0.28
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	2	0.28
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	16	0.28
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	16	0.28
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	17	0.28
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	17	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	2	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	4	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	6	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	7	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	8	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	9	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	10	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	12	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	15	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	16	0.28
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	18	0.28
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	10	0.28
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	17	0.28
(1,1643)	1:145:A:MET:H	1:142:A:VAL:HG12	18	0.28
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	10	0.28
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD13	3	0.28
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD13	4	0.28
(1,1492)	1:135:A:GLN:H	1:135:A:GLN:HE21	12	0.28
(1,1492)	1:135:A:GLN:H	1:135:A:GLN:HE21	18	0.28
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	7	0.28
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	9	0.28
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	11	0.28
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	2	0.28
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	5	0.28
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	6	0.28
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	7	0.28
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	11	0.28
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	14	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	16	0.28
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	19	0.28
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	20	0.28
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	11	0.28
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG21	1	0.28
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG21	13	0.28
(1,1361)	1:124:A:MET:H	1:124:A:MET:HG2	12	0.28
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	12	0.28
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	15	0.28
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	5	0.28
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	4	0.28
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	4	0.28
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	4	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	6	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	6	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	6	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	12	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	12	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	12	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	17	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	17	0.28
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	17	0.28
(1,1078)	1:100:A:ILE:H	1:100:A:ILE:HD11	6	0.28
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	19	0.28
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	2	0.28
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	9	0.28
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	12	0.28
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	14	0.28
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	17	0.28
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	1	0.28
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	20	0.28
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	7	0.28
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	8	0.28
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	13	0.28
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	18	0.28
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	20	0.28
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG22	12	0.28
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG2	18	0.28
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG3	18	0.28
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	12	0.28
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	14	0.28
(1,252)	1:23:A:GLY:H	1:22:A:ASP:HB2	12	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	8	0.28
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	8	0.28
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	13	0.28
(1,3436)	1:35:A:VAL:HG22	1:39:A:LEU:HB2	18	0.27
(1,3413)	2:207:B:GLY:HA3	2:203:B:VAL:HG22	4	0.27
(1,3406)	1:124:A:MET:HE2	1:121:A:VAL:HG23	8	0.27
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	8	0.27
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	8	0.27
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	8	0.27
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	20	0.27
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	20	0.27
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	20	0.27
(1,3365)	2:205:B:MET:HB2	2:205:B:MET:HA	20	0.27
(1,3364)	2:205:B:MET:HB2	2:205:B:MET:H	8	0.27
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	15	0.27
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	18	0.27
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	20	0.27
(1,3345)	2:204:B:PHE:HD1	1:19:A:PHE:HE2	13	0.27
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	6	0.27
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	6	0.27
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	6	0.27
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	20	0.27
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	20	0.27
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	20	0.27
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB1	13	0.27
(1,3310)	2:214:B:GLY:HA3	1:145:A:MET:HE1	2	0.27
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	20	0.27
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	20	0.27
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB3	17	0.27
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	4	0.27
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	11	0.27
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	3	0.27
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	3	0.27
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	3	0.27
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	3	0.27
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	20	0.27
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	20	0.27
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	20	0.27
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	20	0.27
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	20	0.27
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	20	0.27
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	19	0.27
(1,3106)	1:145:A:MET:HG2	1:142:A:VAL:HA	3	0.27
(1,3106)	1:145:A:MET:HG3	1:142:A:VAL:HA	3	0.27
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	5	0.27
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	8	0.27
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	12	0.27
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	15	0.27
(1,3063)	1:76:A:MET:HG2	1:76:A:MET:HA	11	0.27
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	19	0.27
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	19	0.27
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	19	0.27
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	19	0.27
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	19	0.27
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	19	0.27
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	9	0.27
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	9	0.27
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	9	0.27
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	11	0.27
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	11	0.27
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	11	0.27
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	10	0.27
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	10	0.27
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	10	0.27
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	1	0.27
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	1	0.27
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	1	0.27
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	2	0.27
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	2	0.27
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	2	0.27
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	15	0.27
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	15	0.27
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	15	0.27
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	17	0.27
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	17	0.27
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	17	0.27
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	5	0.27
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	5	0.27
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	5	0.27
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	19	0.27
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	19	0.27
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	19	0.27
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	9	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	9	0.27
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	9	0.27
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	9	0.27
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	9	0.27
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	9	0.27
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	4	0.27
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	4	0.27
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	4	0.27
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	13	0.27
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	13	0.27
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	13	0.27
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	15	0.27
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	15	0.27
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	15	0.27
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	16	0.27
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	16	0.27
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	16	0.27
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	18	0.27
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	18	0.27
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	18	0.27
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	6	0.27
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	6	0.27
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	6	0.27
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	10	0.27
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	10	0.27
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	10	0.27
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	20	0.27
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	20	0.27
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	20	0.27
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	19	0.27
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	19	0.27
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	19	0.27
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	4	0.27
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	4	0.27
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	4	0.27
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	5	0.27
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	5	0.27
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	5	0.27
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	12	0.27
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	12	0.27
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	12	0.27
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	7	0.27
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	7	0.27
(1,2877)	1:112:A:LEU:HD21	1:112:A:LEU:HA	16	0.27
(1,2877)	1:112:A:LEU:HD22	1:112:A:LEU:HA	16	0.27
(1,2877)	1:112:A:LEU:HD23	1:112:A:LEU:HA	16	0.27
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	7	0.27
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	7	0.27
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	7	0.27
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	8	0.27
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	8	0.27
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	8	0.27
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	14	0.27
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	14	0.27
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	14	0.27
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	17	0.27
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	17	0.27
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	17	0.27
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	19	0.27
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	19	0.27
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	19	0.27
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	20	0.27
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	20	0.27
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	20	0.27
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	2	0.27
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	2	0.27
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	2	0.27
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	9	0.27
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	9	0.27
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	9	0.27
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	3	0.27
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	3	0.27
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	3	0.27
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	6	0.27
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	6	0.27
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	6	0.27
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	10	0.27
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	10	0.27
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	10	0.27
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	11	0.27
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	11	0.27
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	11	0.27
(1,2797)	1:91:A:VAL:HG21	1:91:A:VAL:HA	7	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2797)	1:91:A:VAL:HG22	1:91:A:VAL:HA	7	0.27
(1,2797)	1:91:A:VAL:HG23	1:91:A:VAL:HA	7	0.27
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	10	0.27
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	10	0.27
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	10	0.27
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	12	0.27
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	12	0.27
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	12	0.27
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	3	0.27
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	3	0.27
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	3	0.27
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	2	0.27
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	2	0.27
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	2	0.27
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	12	0.27
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	12	0.27
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	12	0.27
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	15	0.27
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	15	0.27
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	15	0.27
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	20	0.27
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	20	0.27
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	20	0.27
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	5	0.27
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	5	0.27
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	5	0.27
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	6	0.27
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	6	0.27
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	6	0.27
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	16	0.27
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	16	0.27
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	16	0.27
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	4	0.27
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	4	0.27
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	4	0.27
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	4	0.27
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	4	0.27
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	4	0.27
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	6	0.27
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	6	0.27
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	6	0.27
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	6	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	6	0.27
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	6	0.27
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	9	0.27
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	9	0.27
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	9	0.27
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	9	0.27
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	9	0.27
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	9	0.27
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	10	0.27
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	10	0.27
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	10	0.27
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	10	0.27
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	10	0.27
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	10	0.27
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	3	0.27
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	3	0.27
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	3	0.27
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	11	0.27
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	11	0.27
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	11	0.27
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	12	0.27
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	12	0.27
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	12	0.27
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	17	0.27
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	17	0.27
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	17	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	6	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	6	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	6	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	6	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	6	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	6	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	6	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	6	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	6	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	11	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	11	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	11	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	11	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	11	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	11	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	11	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	11	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	13	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	13	0.27
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	13	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	13	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	13	0.27
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	13	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	13	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	13	0.27
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	13	0.27
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	5	0.27
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	5	0.27
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	5	0.27
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	15	0.27
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	15	0.27
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	15	0.27
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	1	0.27
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	1	0.27
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	1	0.27
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	6	0.27
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	6	0.27
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	6	0.27
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	8	0.27
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	8	0.27
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	8	0.27
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	11	0.27
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	11	0.27
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	11	0.27
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	13	0.27
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	13	0.27
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	13	0.27
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	16	0.27
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	16	0.27
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	16	0.27
(1,2707)	1:63:A:ILE:HD13	1:52:A:ILE:H	11	0.27
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	8	0.27
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	8	0.27
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	8	0.27
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	3	0.27
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	3	0.27
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	1	0.27
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	1	0.27
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	1	0.27
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	2	0.27
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	2	0.27
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	2	0.27
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	8	0.27
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	8	0.27
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	8	0.27
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	9	0.27
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	9	0.27
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	9	0.27
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	12	0.27
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	12	0.27
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	12	0.27
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	15	0.27
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	15	0.27
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	15	0.27
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	19	0.27
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	19	0.27
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	19	0.27
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	6	0.27
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	6	0.27
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	6	0.27
(1,2631)	1:51:A:MET:HE1	1:51:A:MET:HG3	11	0.27
(1,2631)	1:51:A:MET:HE2	1:51:A:MET:HG3	11	0.27
(1,2631)	1:51:A:MET:HE3	1:51:A:MET:HG3	11	0.27
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	1	0.27
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	1	0.27
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	1	0.27
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	15	0.27
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	15	0.27
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	15	0.27
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	6	0.27
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	6	0.27
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	6	0.27
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	7	0.27
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	7	0.27
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	7	0.27
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	8	0.27
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	8	0.27
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	8	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	1	0.27
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	1	0.27
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	1	0.27
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	18	0.27
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	18	0.27
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	18	0.27
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	18	0.27
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	18	0.27
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	18	0.27
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	4	0.27
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	4	0.27
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	4	0.27
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	7	0.27
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	7	0.27
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	7	0.27
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	8	0.27
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	8	0.27
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	8	0.27
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	13	0.27
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	13	0.27
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	13	0.27
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	15	0.27
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	15	0.27
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	15	0.27
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	16	0.27
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	16	0.27
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	16	0.27
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	3	0.27
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	3	0.27
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	3	0.27
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	15	0.27
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	15	0.27
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	15	0.27
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	16	0.27
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	16	0.27
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	16	0.27
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	12	0.27
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	12	0.27
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	12	0.27
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	19	0.27
(1,2243)	1:121:A:VAL:HA	1:124:A:MET:HG3	6	0.27
(1,2211)	1:109:A:MET:HA	1:109:A:MET:HB3	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	7	0.27
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	18	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	2	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	2	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	3	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	3	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	4	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	4	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	7	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	7	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	8	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	8	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	10	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	10	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	12	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	12	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	13	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	13	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	14	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	14	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	17	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	17	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	18	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	18	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	19	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	19	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG2	20	0.27
(1,2164)	1:94:A:LYS:HA	1:94:A:LYS:HG3	20	0.27
(1,2109)	1:79:A:THR:HA	1:80:A:ASP:H	17	0.27
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	20	0.27
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	20	0.27
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	6	0.27
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	15	0.27
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	19	0.27
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	20	0.27
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	20	0.27
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	20	0.27
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	2	0.27
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	7	0.27
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	11	0.27
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	15	0.27
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	15	0.27
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	16	0.27
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	3	0.27
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	3	0.27
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	3	0.27
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	1	0.27
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	16	0.27
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	18	0.27
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	6	0.27
(1,1744)	1:86:A:ARG:HE	1:86:A:ARG:HG3	7	0.27
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	10	0.27
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	10	0.27
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	11	0.27
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	11	0.27
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	18	0.27
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	18	0.27
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	1	0.27
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	3	0.27
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	13	0.27
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	14	0.27
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	17	0.27
(1,1698)	1:42:A:ASN:HD21	1:42:A:ASN:HA	20	0.27
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	2	0.27
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	6	0.27
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	11	0.27
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	14	0.27
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	16	0.27
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	18	0.27
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	3	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	2	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	2	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	3	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	3	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	5	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	5	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	7	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	7	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	8	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	8	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	13	0.27
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	13	0.27
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	3	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	3	0.27
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	6	0.27
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	10	0.27
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	11	0.27
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	18	0.27
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	19	0.27
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	20	0.27
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	11	0.27
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	1	0.27
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	4	0.27
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD13	18	0.27
(1,1507)	1:135:A:GLN:H	1:133:A:ASP:HB3	12	0.27
(1,1493)	1:135:A:GLN:H	1:125:A:ILE:HG21	5	0.27
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	2	0.27
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	6	0.27
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	10	0.27
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	17	0.27
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	19	0.27
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	20	0.27
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	1	0.27
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	11	0.27
(1,1334)	1:121:A:VAL:H	1:120:A:GLU:HG2	7	0.27
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD13	18	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	1	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	1	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	1	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	2	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	2	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	2	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	3	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	3	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	3	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	9	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	9	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	9	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	13	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	13	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	13	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	14	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	14	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	14	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	15	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	15	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	15	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	16	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	16	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	16	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	17	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	17	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	17	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	18	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	18	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	18	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	20	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	20	0.27
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	20	0.27
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	20	0.27
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	20	0.27
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	20	0.27
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD12	4	0.27
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD11	5	0.27
(1,1151)	1:105:A:LEU:H	1:100:A:ILE:HG23	16	0.27
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG21	17	0.27
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	16	0.27
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	4	0.27
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	2	0.27
(1,1012)	1:94:A:LYS:H	1:104:A:GLU:HB2	5	0.27
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	2	0.27
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	8	0.27
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	8	0.27
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	13	0.27
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	13	0.27
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	3	0.27
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	9	0.27
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	1	0.27
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	3	0.27
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	4	0.27
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	5	0.27
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	11	0.27
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	15	0.27
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	18	0.27
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	8	0.27
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	18	0.27
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	19	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	7	0.27
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	2	0.27
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	4	0.27
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	11	0.27
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	12	0.27
(1,468)	1:42:A:ASN:H	1:42:A:ASN:HB2	15	0.27
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG23	9	0.27
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG2	3	0.27
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG3	3	0.27
(1,329)	1:29:A:THR:H	1:52:A:ILE:HD11	15	0.27
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	3	0.27
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	6	0.27
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	11	0.27
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	15	0.27
(1,93)	1:11:A:GLU:H	1:11:A:GLU:HG2	4	0.27
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	1	0.27
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	2	0.27
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	9	0.27
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	17	0.27
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	17	0.27
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	17	0.27
(1,3410)	1:145:A:MET:HE3	1:128:A:ALA:HB2	7	0.26
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	19	0.26
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	19	0.26
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	19	0.26
(1,3379)	2:208:B:LEU:HD21	2:208:B:LEU:HA	16	0.26
(1,3379)	2:208:B:LEU:HD22	2:208:B:LEU:HA	16	0.26
(1,3379)	2:208:B:LEU:HD23	2:208:B:LEU:HA	16	0.26
(1,3371)	2:208:B:LEU:HG	2:205:B:MET:HA	20	0.26
(1,3365)	2:205:B:MET:HB2	2:205:B:MET:HA	19	0.26
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	6	0.26
(1,3350)	2:205:B:MET:HG2	2:205:B:MET:HA	3	0.26
(1,3346)	2:204:B:PHE:HE2	1:39:A:LEU:HD13	1	0.26
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD11	3	0.26
(1,3323)	2:201:B:MET:HG2	2:201:B:MET:HA	19	0.26
(1,3323)	2:201:B:MET:HG3	2:201:B:MET:HA	19	0.26
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	5	0.26
(1,3309)	2:214:B:GLY:HA2	2:217:B:ALA:HB3	5	0.26
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	5	0.26
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	17	0.26
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	18	0.26
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	8	0.26
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	8	0.26
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	8	0.26
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	8	0.26
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	14	0.26
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	14	0.26
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	14	0.26
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	14	0.26
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	1	0.26
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	1	0.26
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	1	0.26
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	2	0.26
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	2	0.26
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	2	0.26
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	17	0.26
(1,3077)	1:109:A:MET:HG2	1:109:A:MET:HA	5	0.26
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD23	8	0.26
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD22	18	0.26
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD23	20	0.26
(1,3063)	1:76:A:MET:HG2	1:76:A:MET:HA	12	0.26
(1,3063)	1:76:A:MET:HG2	1:76:A:MET:HA	14	0.26
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	2	0.26
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	9	0.26
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	12	0.26
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	14	0.26
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	16	0.26
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	16	0.26
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	16	0.26
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	16	0.26
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	16	0.26
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	16	0.26
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	5	0.26
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	5	0.26
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	5	0.26
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	13	0.26
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	13	0.26
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	13	0.26
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	6	0.26
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	6	0.26
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	6	0.26
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	6	0.26
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	6	0.26
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	13	0.26
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	13	0.26
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	13	0.26
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	13	0.26
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	13	0.26
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	13	0.26
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	6	0.26
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	6	0.26
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	6	0.26
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	12	0.26
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	12	0.26
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	12	0.26
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	13	0.26
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	13	0.26
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	13	0.26
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	16	0.26
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	16	0.26
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	16	0.26
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	3	0.26
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	3	0.26
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	3	0.26
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	8	0.26
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	8	0.26
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	8	0.26
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	14	0.26
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	14	0.26
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	14	0.26
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	11	0.26
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	11	0.26
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	11	0.26
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	13	0.26
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	13	0.26
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	13	0.26
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	14	0.26
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	14	0.26
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	14	0.26
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	3	0.26
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	3	0.26
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	3	0.26
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	2	0.26
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	2	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	2	0.26
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	9	0.26
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	9	0.26
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	9	0.26
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	11	0.26
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	11	0.26
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	11	0.26
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	13	0.26
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	13	0.26
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	13	0.26
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	18	0.26
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	18	0.26
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	18	0.26
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	19	0.26
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	19	0.26
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	19	0.26
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	16	0.26
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	16	0.26
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	16	0.26
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	19	0.26
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	19	0.26
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	19	0.26
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	20	0.26
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	20	0.26
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	20	0.26
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	6	0.26
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	6	0.26
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	6	0.26
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	11	0.26
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	11	0.26
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	11	0.26
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	1	0.26
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	1	0.26
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	1	0.26
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	4	0.26
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	4	0.26
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	4	0.26
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	11	0.26
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	11	0.26
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	11	0.26
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	8	0.26
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	8	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	8	0.26
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	15	0.26
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	15	0.26
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	15	0.26
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	18	0.26
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	18	0.26
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	18	0.26
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	7	0.26
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	7	0.26
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	7	0.26
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	10	0.26
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	10	0.26
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	10	0.26
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	6	0.26
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	6	0.26
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	6	0.26
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	1	0.26
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	1	0.26
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	1	0.26
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	2	0.26
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	2	0.26
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	2	0.26
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	15	0.26
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	15	0.26
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	15	0.26
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	11	0.26
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	11	0.26
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	11	0.26
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	11	0.26
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	11	0.26
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	11	0.26
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	12	0.26
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	12	0.26
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	12	0.26
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	12	0.26
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	12	0.26
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	12	0.26
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	20	0.26
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	20	0.26
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	20	0.26
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	20	0.26
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	20	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	20	0.26
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	7	0.26
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	7	0.26
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	7	0.26
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	16	0.26
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	16	0.26
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	16	0.26
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	4	0.26
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	4	0.26
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	4	0.26
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	4	0.26
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	4	0.26
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	4	0.26
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	4	0.26
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	4	0.26
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	4	0.26
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	9	0.26
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	9	0.26
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	9	0.26
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	9	0.26
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	9	0.26
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	9	0.26
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	9	0.26
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	9	0.26
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	9	0.26
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	10	0.26
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	10	0.26
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	10	0.26
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	10	0.26
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	10	0.26
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	10	0.26
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	10	0.26
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	10	0.26
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	10	0.26
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	7	0.26
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	7	0.26
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	7	0.26
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	2	0.26
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	2	0.26
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	2	0.26
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	3	0.26
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	3	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	3	0.26
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	19	0.26
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	19	0.26
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	19	0.26
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	5	0.26
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	5	0.26
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	5	0.26
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	5	0.26
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	5	0.26
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	5	0.26
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	5	0.26
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	5	0.26
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	5	0.26
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	10	0.26
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	10	0.26
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	10	0.26
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	10	0.26
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	10	0.26
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	10	0.26
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	10	0.26
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	10	0.26
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	10	0.26
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	15	0.26
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	15	0.26
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	15	0.26
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	15	0.26
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	15	0.26
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	15	0.26
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	15	0.26
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	15	0.26
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	15	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	1	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	1	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	1	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	2	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	2	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	2	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	3	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	3	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	3	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	7	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	7	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	7	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	9	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	9	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	9	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	11	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	11	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	11	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	13	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	13	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	13	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	16	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	16	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	16	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	17	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	17	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	17	0.26
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	18	0.26
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	18	0.26
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	18	0.26
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	5	0.26
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	5	0.26
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	5	0.26
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	10	0.26
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	10	0.26
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	10	0.26
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	11	0.26
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	11	0.26
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	11	0.26
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	17	0.26
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	17	0.26
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	17	0.26
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	20	0.26
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	20	0.26
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	20	0.26
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	5	0.26
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	5	0.26
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	5	0.26
(1,2670)	1:55:A:VAL:HG12	1:71:A:MET:HB3	6	0.26
(1,2662)	1:55:A:VAL:HG23	1:71:A:MET:HB3	8	0.26
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	18	0.26
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	18	0.26
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	18	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	9	0.26
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	9	0.26
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	9	0.26
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	8	0.26
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	8	0.26
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	8	0.26
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	11	0.26
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	11	0.26
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	11	0.26
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	2	0.26
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	2	0.26
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	2	0.26
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	5	0.26
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	5	0.26
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	5	0.26
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	9	0.26
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	9	0.26
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	9	0.26
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	16	0.26
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	16	0.26
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	16	0.26
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	19	0.26
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	19	0.26
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	19	0.26
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	2	0.26
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	2	0.26
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	2	0.26
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	15	0.26
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	15	0.26
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	15	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	1	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	1	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	1	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	3	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	3	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	3	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	4	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	4	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	4	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	5	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	5	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	6	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	6	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	6	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	7	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	7	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	7	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	12	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	12	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	12	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	16	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	16	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	16	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	17	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	17	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	17	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	18	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	18	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	18	0.26
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	19	0.26
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	19	0.26
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	19	0.26
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	6	0.26
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	6	0.26
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	6	0.26
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	20	0.26
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	20	0.26
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	20	0.26
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	5	0.26
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	5	0.26
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	5	0.26
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	12	0.26
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	12	0.26
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	12	0.26
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	14	0.26
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	14	0.26
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	14	0.26
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	19	0.26
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	19	0.26
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	19	0.26
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	5	0.26
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	5	0.26
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	5	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	14	0.26
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	14	0.26
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	14	0.26
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	19	0.26
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	19	0.26
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	19	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	1	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	1	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	1	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	2	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	2	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	2	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	3	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	3	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	3	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	4	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	4	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	4	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	5	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	5	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	5	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	10	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	10	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	10	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	11	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	11	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	11	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	13	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	13	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	13	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	14	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	14	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	14	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	15	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	15	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	15	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	16	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	16	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	16	0.26
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	17	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	17	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	17	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	19	0.26
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	19	0.26
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	19	0.26
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	8	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	4	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	4	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	4	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	4	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	4	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	4	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	7	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	7	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	7	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	7	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	7	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	7	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	9	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	9	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	9	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	9	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	9	0.26
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	9	0.26
(1,2172)	1:102:A:ALA:HA	1:105:A:LEU:HB3	13	0.26
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG13	2	0.26
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	4	0.26
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	17	0.26
(1,2128)	1:86:A:ARG:HA	1:89:A:PHE:HB2	13	0.26
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	12	0.26
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	13	0.26
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	13	0.26
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	13	0.26
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	17	0.26
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	17	0.26
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	17	0.26
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	9	0.26
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	9	0.26
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	11	0.26
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	11	0.26
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	20	0.26
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	20	0.26
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	1	0.26
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	10	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	18	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	8	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	8	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	8	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	10	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	10	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	10	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	11	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	11	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	11	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	14	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	14	0.26
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	14	0.26
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	9	0.26
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	12	0.26
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	10	0.26
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	12	0.26
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	13	0.26
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	11	0.26
(1,1852)	1:8:A:GLN:HA	1:9:A:ILE:H	18	0.26
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	8	0.26
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	8	0.26
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	8	0.26
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	12	0.26
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	5	0.26
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	20	0.26
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	20	0.26
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	1	0.26
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	17	0.26
(1,1744)	1:86:A:ARG:HE	1:86:A:ARG:HG3	9	0.26
(1,1744)	1:86:A:ARG:HE	1:86:A:ARG:HG3	11	0.26
(1,1744)	1:86:A:ARG:HE	1:86:A:ARG:HG3	14	0.26
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG2	14	0.26
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG3	14	0.26
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	4	0.26
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	4	0.26
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	5	0.26
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	5	0.26
(1,1699)	1:42:A:ASN:HD22	1:42:A:ASN:HA	19	0.26
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	9	0.26
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	2	0.26
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	12	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	12	0.26
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	18	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	2	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	4	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	5	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	7	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	8	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	9	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	12	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	13	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	14	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	15	0.26
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	17	0.26
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	14	0.26
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	18	0.26
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	3	0.26
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	10	0.26
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	10	0.26
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	10	0.26
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	1	0.26
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	17	0.26
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG22	4	0.26
(1,1413)	1:129:A:ASP:H	1:125:A:ILE:HG22	9	0.26
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	1	0.26
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	11	0.26
(1,1361)	1:124:A:MET:H	1:124:A:MET:HG2	15	0.26
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD12	2	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	5	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	5	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	5	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	7	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	7	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	7	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	8	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	8	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	8	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	10	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	10	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	10	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	11	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	11	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	11	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	19	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	19	0.26
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	19	0.26
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	8	0.26
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	8	0.26
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	8	0.26
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	8	0.26
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	13	0.26
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	18	0.26
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	14	0.26
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	4	0.26
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	15	0.26
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	6	0.26
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	6	0.26
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	10	0.26
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	10	0.26
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	12	0.26
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	12	0.26
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	19	0.26
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	1	0.26
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	4	0.26
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	18	0.26
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	7	0.26
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	10	0.26
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	13	0.26
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	19	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	2	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	2	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	2	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	3	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	3	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	3	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	6	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	6	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	6	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	11	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	11	0.26
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	11	0.26
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	1	0.26
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	4	0.26
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	10	0.26
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	13	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	1	0.26
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	1	0.26
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	1	0.26
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	20	0.26
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	20	0.26
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	20	0.26
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	18	0.26
(1,404)	1:36:A:MET:H	1:19:A:PHE:HD2	6	0.26
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD11	2	0.26
(1,370)	1:32:A:LEU:H	1:29:A:THR:HG21	6	0.26
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG23	14	0.26
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG2	2	0.26
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG3	2	0.26
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	18	0.26
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	6	0.26
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	14	0.26
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	15	0.26
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	18	0.26
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB3	9	0.26
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB2	10	0.26
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	14	0.26
(1,93)	1:11:A:GLU:H	1:11:A:GLU:HG2	11	0.26
(1,93)	1:11:A:GLU:H	1:11:A:GLU:HG2	17	0.26
(1,38)	1:7:A:GLU:H	1:6:A:GLU:HG2	5	0.26
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	6	0.26
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	9	0.25
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	9	0.25
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	9	0.25
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	9	0.25
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	9	0.25
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	9	0.25
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	9	0.25
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	9	0.25
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	9	0.25
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	9	0.25
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	9	0.25
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	9	0.25
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	9	0.25
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	9	0.25
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	9	0.25
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	9	0.25
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	9	0.25
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	2	0.25
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	2	0.25
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	2	0.25
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	20	0.25
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	20	0.25
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	20	0.25
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD21	12	0.25
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD22	18	0.25
(1,3415)	2:207:B:GLY:HA2	2:203:B:VAL:HG22	4	0.25
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	13	0.25
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	13	0.25
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	13	0.25
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	14	0.25
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	14	0.25
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	14	0.25
(1,3379)	2:208:B:LEU:HD21	2:208:B:LEU:HA	17	0.25
(1,3379)	2:208:B:LEU:HD22	2:208:B:LEU:HA	17	0.25
(1,3379)	2:208:B:LEU:HD23	2:208:B:LEU:HA	17	0.25
(1,3365)	2:205:B:MET:HB2	2:205:B:MET:HA	18	0.25
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD13	12	0.25
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	4	0.25
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	4	0.25
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	4	0.25
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	5	0.25
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	5	0.25
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	5	0.25
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	8	0.25
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	8	0.25
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	8	0.25
(1,3325)	2:201:B:MET:HG2	2:202:B:ASP:H	9	0.25
(1,3325)	2:201:B:MET:HG3	2:202:B:ASP:H	9	0.25
(1,3324)	2:201:B:MET:HG3	1:39:A:LEU:HD12	1	0.25
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD1	13	0.25
(1,3216)	2:204:B:PHE:H	2:204:B:PHE:HD2	13	0.25
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	10	0.25
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	6	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	1	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	1	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	1	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	1	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	2	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	2	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	2	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	4	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	4	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	4	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	4	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	5	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	5	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	5	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	5	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	7	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	7	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	7	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	7	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	8	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	8	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	8	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	8	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	9	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	9	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	9	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	9	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	10	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	10	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	10	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	10	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	11	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	11	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	11	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	11	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	12	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	12	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	12	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	12	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	16	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	16	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	16	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	16	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	17	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	17	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	17	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	18	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	18	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	18	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	18	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	19	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	19	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	19	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	19	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	20	0.25
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	20	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	20	0.25
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	20	0.25
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	5	0.25
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	5	0.25
(1,3106)	1:145:A:MET:HG2	1:142:A:VAL:HA	19	0.25
(1,3106)	1:145:A:MET:HG3	1:142:A:VAL:HA	19	0.25
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	10	0.25
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD22	11	0.25
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD21	13	0.25
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD23	19	0.25
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	1	0.25
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	3	0.25
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	4	0.25
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	5	0.25
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	11	0.25
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	15	0.25
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	18	0.25
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	20	0.25
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	20	0.25
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	20	0.25
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	16	0.25
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	16	0.25
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	16	0.25
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	17	0.25
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	17	0.25
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	17	0.25
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	11	0.25
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	11	0.25
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	11	0.25
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	13	0.25
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	13	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	13	0.25
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	16	0.25
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	16	0.25
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	16	0.25
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	10	0.25
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	10	0.25
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	10	0.25
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	10	0.25
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	10	0.25
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	10	0.25
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	5	0.25
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	5	0.25
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	5	0.25
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	12	0.25
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	12	0.25
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	12	0.25
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	14	0.25
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	14	0.25
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	14	0.25
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	19	0.25
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	19	0.25
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	19	0.25
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	3	0.25
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	3	0.25
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	3	0.25
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	4	0.25
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	4	0.25
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	4	0.25
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	1	0.25
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	1	0.25
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	1	0.25
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	13	0.25
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	13	0.25
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	13	0.25
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	18	0.25
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	18	0.25
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	18	0.25
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	7	0.25
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	7	0.25
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	7	0.25
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	12	0.25
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	12	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	12	0.25
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	14	0.25
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	14	0.25
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	14	0.25
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	2	0.25
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	2	0.25
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	2	0.25
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	5	0.25
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	5	0.25
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	5	0.25
(1,2921)	1:125:A:ILE:HG21	1:125:A:ILE:HG13	11	0.25
(1,2921)	1:125:A:ILE:HG22	1:125:A:ILE:HG13	11	0.25
(1,2921)	1:125:A:ILE:HG23	1:125:A:ILE:HG13	11	0.25
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	1	0.25
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	1	0.25
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	1	0.25
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	3	0.25
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	3	0.25
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	3	0.25
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	4	0.25
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	4	0.25
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	4	0.25
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	8	0.25
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	8	0.25
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	8	0.25
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	10	0.25
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	10	0.25
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	10	0.25
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	15	0.25
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	15	0.25
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	15	0.25
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	18	0.25
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	18	0.25
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	18	0.25
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	7	0.25
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	7	0.25
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	7	0.25
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	10	0.25
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	10	0.25
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	10	0.25
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	1	0.25
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	1	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	1	0.25
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	7	0.25
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	7	0.25
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	7	0.25
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	8	0.25
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	8	0.25
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	8	0.25
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	12	0.25
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	12	0.25
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	12	0.25
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	13	0.25
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	13	0.25
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	13	0.25
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	18	0.25
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	18	0.25
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	18	0.25
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	13	0.25
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	13	0.25
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	13	0.25
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	16	0.25
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	16	0.25
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	16	0.25
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	18	0.25
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	18	0.25
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	18	0.25
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	4	0.25
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	4	0.25
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	4	0.25
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	4	0.25
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	4	0.25
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	4	0.25
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	2	0.25
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	2	0.25
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	2	0.25
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	17	0.25
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	17	0.25
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	17	0.25
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	18	0.25
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	18	0.25
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	18	0.25
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	2	0.25
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	2	0.25
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	4	0.25
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	4	0.25
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	4	0.25
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	11	0.25
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	11	0.25
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	11	0.25
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	19	0.25
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	19	0.25
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	19	0.25
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	12	0.25
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	12	0.25
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	12	0.25
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	14	0.25
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	14	0.25
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	14	0.25
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	19	0.25
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	19	0.25
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	19	0.25
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	3	0.25
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	3	0.25
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	3	0.25
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	4	0.25
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	4	0.25
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	4	0.25
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	12	0.25
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	12	0.25
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	12	0.25
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	17	0.25
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	17	0.25
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	17	0.25
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	2	0.25
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	2	0.25
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	2	0.25
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	8	0.25
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	8	0.25
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	8	0.25
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	20	0.25
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	20	0.25
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	20	0.25
(1,2744)	1:71:A:MET:HE2	2:202:B:ASP:HA	11	0.25
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	6	0.25
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	6	0.25
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	11	0.25
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	11	0.25
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	11	0.25
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	13	0.25
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	13	0.25
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	13	0.25
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	16	0.25
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	16	0.25
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	16	0.25
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	1	0.25
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	1	0.25
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	1	0.25
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	1	0.25
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	1	0.25
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	1	0.25
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	1	0.25
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	1	0.25
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	1	0.25
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	19	0.25
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	19	0.25
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	19	0.25
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	5	0.25
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	5	0.25
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	5	0.25
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	7	0.25
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	7	0.25
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	7	0.25
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	3	0.25
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	3	0.25
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	3	0.25
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	8	0.25
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	8	0.25
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	8	0.25
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	11	0.25
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	11	0.25
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	11	0.25
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	13	0.25
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	13	0.25
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	13	0.25
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	17	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	17	0.25
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	17	0.25
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	18	0.25
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	18	0.25
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	18	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	5	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	5	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	5	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	5	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	5	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	5	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	5	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	5	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	5	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	10	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	10	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	10	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	10	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	10	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	10	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	10	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	10	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	10	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	12	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	12	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	12	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	12	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	12	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	12	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	12	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	12	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	12	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	15	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	15	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	15	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	15	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	15	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	15	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	15	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	15	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	15	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	19	0.25
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	19	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	19	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	19	0.25
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	19	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	19	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	19	0.25
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	19	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	2	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	2	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	2	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	2	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	2	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	2	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	2	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	2	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	2	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	7	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	7	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	7	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	7	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	7	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	7	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	7	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	7	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	7	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	12	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	12	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	12	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	12	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	12	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	12	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	12	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	12	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	12	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	19	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	19	0.25
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	19	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	19	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	19	0.25
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	19	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	19	0.25
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	19	0.25
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	4	0.25
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	4	0.25
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	4	0.25
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	10	0.25
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	10	0.25
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	10	0.25
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	14	0.25
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	14	0.25
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	14	0.25
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	15	0.25
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	15	0.25
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	15	0.25
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	19	0.25
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	19	0.25
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	19	0.25
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	20	0.25
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	20	0.25
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	20	0.25
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	4	0.25
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	4	0.25
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	4	0.25
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	12	0.25
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	12	0.25
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	12	0.25
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	16	0.25
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	16	0.25
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	16	0.25
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	3	0.25
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	3	0.25
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	3	0.25
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	9	0.25
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	9	0.25
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	9	0.25
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	16	0.25
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	16	0.25
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	16	0.25
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	6	0.25
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	6	0.25
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	6	0.25
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	8	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	8	0.25
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	8	0.25
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	8	0.25
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	8	0.25
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	8	0.25
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	8	0.25
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	8	0.25
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	8	0.25
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	7	0.25
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	7	0.25
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	7	0.25
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	5	0.25
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	5	0.25
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	5	0.25
(1,2657)	1:55:A:VAL:HG21	1:63:A:ILE:HG22	20	0.25
(1,2624)	1:48:A:LEU:HD21	1:48:A:LEU:HA	17	0.25
(1,2624)	1:48:A:LEU:HD22	1:48:A:LEU:HA	17	0.25
(1,2624)	1:48:A:LEU:HD23	1:48:A:LEU:HA	17	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	1	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	1	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	1	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	3	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	3	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	3	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	4	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	4	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	4	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	8	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	8	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	8	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	10	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	10	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	10	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	12	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	12	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	12	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	13	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	13	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	13	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	14	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	14	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	15	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	15	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	15	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	17	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	17	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	17	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	18	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	18	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	18	0.25
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	20	0.25
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	20	0.25
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	20	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	5	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	5	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	5	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	7	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	7	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	7	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	8	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	8	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	8	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	9	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	9	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	9	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	10	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	10	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	10	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	11	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	11	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	11	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	12	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	12	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	12	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	13	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	13	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	13	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	16	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	16	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	16	0.25
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	19	0.25
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	19	0.25
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	19	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	2	0.25
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	2	0.25
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	2	0.25
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	8	0.25
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	8	0.25
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	8	0.25
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	9	0.25
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	9	0.25
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	9	0.25
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	10	0.25
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	10	0.25
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	10	0.25
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	11	0.25
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	11	0.25
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	11	0.25
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	14	0.25
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	14	0.25
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	14	0.25
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	15	0.25
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	15	0.25
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	15	0.25
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	20	0.25
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	20	0.25
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	20	0.25
(1,2569)	1:34:A:THR:HG21	1:35:A:VAL:HA	14	0.25
(1,2569)	1:34:A:THR:HG22	1:35:A:VAL:HA	14	0.25
(1,2569)	1:34:A:THR:HG23	1:35:A:VAL:HA	14	0.25
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	5	0.25
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	5	0.25
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	5	0.25
(1,2507)	1:18:A:LEU:HD11	1:18:A:LEU:HA	18	0.25
(1,2507)	1:18:A:LEU:HD12	1:18:A:LEU:HA	18	0.25
(1,2507)	1:18:A:LEU:HD13	1:18:A:LEU:HA	18	0.25
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	12	0.25
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	12	0.25
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	12	0.25
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	2	0.25
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	2	0.25
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	2	0.25
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	2	0.25
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	2	0.25
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	2	0.25
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	2	0.25
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	2	0.25
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	7	0.25
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	7	0.25
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	7	0.25
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	15	0.25
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	15	0.25
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	15	0.25
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	19	0.25
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	19	0.25
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	19	0.25
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	6	0.25
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	6	0.25
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	6	0.25
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	7	0.25
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	7	0.25
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	7	0.25
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	8	0.25
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	8	0.25
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	8	0.25
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	9	0.25
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	9	0.25
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	9	0.25
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	18	0.25
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	18	0.25
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	18	0.25
(1,2465)	1:5:A:THR:HG21	1:5:A:THR:HA	20	0.25
(1,2465)	1:5:A:THR:HG22	1:5:A:THR:HA	20	0.25
(1,2465)	1:5:A:THR:HG23	1:5:A:THR:HA	20	0.25
(1,2456)	1:4:A:LEU:HD21	1:8:A:GLN:HE22	7	0.25
(1,2456)	1:4:A:LEU:HD22	1:8:A:GLN:HE22	7	0.25
(1,2456)	1:4:A:LEU:HD23	1:8:A:GLN:HE22	7	0.25
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	2	0.25
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	17	0.25
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	17	0.25
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	17	0.25
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	17	0.25
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	17	0.25
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	17	0.25
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	16	0.25
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	9	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	3	0.25
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	3	0.25
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	5	0.25
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	5	0.25
(1,2128)	1:86:A:ARG:HA	1:89:A:PHE:HB2	1	0.25
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	1	0.25
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	1	0.25
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	2	0.25
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	2	0.25
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	10	0.25
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	10	0.25
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	13	0.25
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	13	0.25
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	10	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	1	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	1	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	1	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	2	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	2	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	2	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	5	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	5	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	5	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	9	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	9	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	9	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	12	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	12	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	12	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	19	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	19	0.25
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	19	0.25
(1,2015)	1:53:A:ASN:HA	1:53:A:ASN:HB3	6	0.25
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	3	0.25
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	4	0.25
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	5	0.25
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	16	0.25
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	18	0.25
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	13	0.25
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	13	0.25
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	13	0.25
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	2	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	2	0.25
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	2	0.25
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	10	0.25
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	10	0.25
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	10	0.25
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	13	0.25
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	13	0.25
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	13	0.25
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	7	0.25
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	10	0.25
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	18	0.25
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	12	0.25
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	12	0.25
(1,1699)	1:42:A:ASN:HD22	1:42:A:ASN:HA	5	0.25
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	1	0.25
(1,1581)	1:140:A:GLU:H	1:140:A:GLU:HB3	16	0.25
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	7	0.25
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	8	0.25
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	19	0.25
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	20	0.25
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	2	0.25
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	15	0.25
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	16	0.25
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	20	0.25
(1,1492)	1:135:A:GLN:H	1:135:A:GLN:HE21	6	0.25
(1,1492)	1:135:A:GLN:H	1:135:A:GLN:HE21	9	0.25
(1,1492)	1:135:A:GLN:H	1:135:A:GLN:HE21	15	0.25
(1,1477)	1:133:A:ASP:H	1:135:A:GLN:H	12	0.25
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	15	0.25
(1,1428)	1:130:A:ILE:H	1:140:A:GLU:HG3	10	0.25
(1,1361)	1:124:A:MET:H	1:124:A:MET:HG2	1	0.25
(1,1361)	1:124:A:MET:H	1:124:A:MET:HG2	3	0.25
(1,1248)	1:114:A:GLU:H	1:114:A:GLU:HB2	6	0.25
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD11	1	0.25
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD13	9	0.25
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	6	0.25
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	6	0.25
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	6	0.25
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG11	12	0.25
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG12	12	0.25
(1,1184)	1:108:A:VAL:H	1:108:A:VAL:HG13	12	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	14	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	14	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	15	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	15	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	15	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	18	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	18	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	18	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	19	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	19	0.25
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	19	0.25
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD13	9	0.25
(1,1151)	1:105:A:LEU:H	1:100:A:ILE:HG23	11	0.25
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	6	0.25
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	3	0.25
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	4	0.25
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	7	0.25
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	7	0.25
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	7	0.25
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	7	0.25
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	7	0.25
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	1	0.25
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	1	0.25
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	1	0.25
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	13	0.25
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	20	0.25
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	8	0.25
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	16	0.25
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	8	0.25
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	6	0.25
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	1	0.25
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	1	0.25
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	1	0.25
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	9	0.25
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	9	0.25
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	9	0.25
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	13	0.25
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	13	0.25
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	13	0.25
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	3	0.25
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	7	0.25
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG23	3	0.25
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG22	8	0.25
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	13	0.25
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	13	0.25
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	13	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	1	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	1	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	1	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	2	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	2	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	2	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	3	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	3	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	3	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	5	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	5	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	5	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	6	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	6	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	6	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	13	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	13	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	13	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	15	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	15	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	15	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	19	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	19	0.25
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	19	0.25
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	12	0.25
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	13	0.25
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG2	17	0.25
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG3	17	0.25
(1,339)	1:30:A:LYS:H	1:52:A:ILE:HD12	7	0.25
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	7	0.25
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	8	0.25
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	9	0.25
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	16	0.25
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	20	0.25
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	9	0.25
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	11	0.25
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	16	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	13	0.25
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	14	0.25
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB3	1	0.25
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	17	0.25
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	8	0.25
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	11	0.25
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	20	0.25
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	20	0.25
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	20	0.25
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	16	0.24
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	16	0.24
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	16	0.24
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	19	0.24
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	19	0.24
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	19	0.24
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD22	7	0.24
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	20	0.24
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	20	0.24
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	20	0.24
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	20	0.24
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	20	0.24
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	20	0.24
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	20	0.24
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	20	0.24
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	20	0.24
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB3	3	0.24
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	18	0.24
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	18	0.24
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	18	0.24
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	18	0.24
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	18	0.24
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	18	0.24
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	1	0.24
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	1	0.24
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	1	0.24
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	7	0.24
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	7	0.24
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	7	0.24
(1,3367)	2:205:B:MET:HE1	1:68:A:PHE:HE1	15	0.24
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	6	0.24
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	7	0.24
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	19	0.24
(1,3350)	2:205:B:MET:HG2	2:205:B:MET:HA	6	0.24
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	11	0.24
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	11	0.24
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	11	0.24
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	12	0.24
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	12	0.24
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	12	0.24
(1,3323)	2:201:B:MET:HG2	2:201:B:MET:HA	3	0.24
(1,3323)	2:201:B:MET:HG3	2:201:B:MET:HA	3	0.24
(1,3323)	2:201:B:MET:HG2	2:201:B:MET:HA	10	0.24
(1,3323)	2:201:B:MET:HG3	2:201:B:MET:HA	10	0.24
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB2	7	0.24
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB2	13	0.24
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB3	13	0.24
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB2	17	0.24
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB3	17	0.24
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	1	0.24
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	9	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	3	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	3	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	3	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	3	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	6	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	6	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	6	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	6	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	13	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	13	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	13	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	13	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	14	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	14	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	14	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	14	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB2	15	0.24
(1,3165)	1:99:A:TYR:HD1	1:99:A:TYR:HB3	15	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB2	15	0.24
(1,3165)	1:99:A:TYR:HD2	1:99:A:TYR:HB3	15	0.24
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE1	19	0.24
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE2	19	0.24
(1,3101)	1:144:A:MET:HG2	1:144:A:MET:HE3	19	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD21	6	0.24
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD22	7	0.24
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD21	17	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	1	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	2	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	3	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	4	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	5	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	7	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	8	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	9	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	11	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	12	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	13	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	14	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	15	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	17	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	19	0.24
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	20	0.24
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	7	0.24
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	10	0.24
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	13	0.24
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	19	0.24
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	7	0.24
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	12	0.24
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	4	0.24
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	4	0.24
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	4	0.24
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	10	0.24
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	10	0.24
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	10	0.24
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	4	0.24
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	4	0.24
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	4	0.24
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	4	0.24
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	4	0.24
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	4	0.24
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	9	0.24
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	9	0.24
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	9	0.24
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	12	0.24
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	12	0.24
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	15	0.24
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	15	0.24
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	15	0.24
(1,2970)	1:136:A:VAL:HG22	1:100:A:ILE:HD12	11	0.24
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	3	0.24
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	3	0.24
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	3	0.24
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	5	0.24
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	5	0.24
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	5	0.24
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	11	0.24
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	11	0.24
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	11	0.24
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	15	0.24
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	15	0.24
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	15	0.24
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	17	0.24
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	17	0.24
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	17	0.24
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	7	0.24
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	7	0.24
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	7	0.24
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	6	0.24
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	6	0.24
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	6	0.24
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	7	0.24
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	7	0.24
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	7	0.24
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	12	0.24
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	12	0.24
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	12	0.24
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	17	0.24
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	17	0.24
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	17	0.24
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	20	0.24
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	20	0.24
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	20	0.24
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	7	0.24
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	7	0.24
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	7	0.24
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	14	0.24
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	14	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	2	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	2	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	2	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	3	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	3	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	3	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	4	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	4	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	4	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	5	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	5	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	5	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	8	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	8	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	8	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	9	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	9	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	9	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	12	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	12	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	12	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	13	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	13	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	13	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	17	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	17	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	17	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	18	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	18	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	18	0.24
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	19	0.24
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	19	0.24
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	19	0.24
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	10	0.24
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	10	0.24
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	10	0.24
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	17	0.24
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	17	0.24
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	17	0.24
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	1	0.24
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	1	0.24
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	2	0.24
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	2	0.24
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	2	0.24
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	3	0.24
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	3	0.24
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	3	0.24
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	4	0.24
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	4	0.24
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	4	0.24
(1,2866)	1:109:A:MET:HE1	1:109:A:MET:HG2	9	0.24
(1,2866)	1:109:A:MET:HE2	1:109:A:MET:HG2	9	0.24
(1,2866)	1:109:A:MET:HE3	1:109:A:MET:HG2	9	0.24
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	1	0.24
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	1	0.24
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	1	0.24
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	2	0.24
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	2	0.24
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	2	0.24
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	4	0.24
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	4	0.24
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	4	0.24
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	5	0.24
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	5	0.24
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	5	0.24
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	9	0.24
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	9	0.24
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	9	0.24
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	17	0.24
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	17	0.24
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	17	0.24
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	20	0.24
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	20	0.24
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	20	0.24
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	1	0.24
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	1	0.24
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	1	0.24
(1,2834)	1:105:A:LEU:HD11	1:124:A:MET:HB2	12	0.24
(1,2834)	1:105:A:LEU:HD12	1:124:A:MET:HB2	12	0.24
(1,2834)	1:105:A:LEU:HD13	1:124:A:MET:HB2	12	0.24
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	17	0.24
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	17	0.24
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	17	0.24
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	17	0.24
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	17	0.24
(1,2815)	1:100:A:ILE:HD11	1:100:A:ILE:HA	10	0.24
(1,2815)	1:100:A:ILE:HD12	1:100:A:ILE:HA	10	0.24
(1,2815)	1:100:A:ILE:HD13	1:100:A:ILE:HA	10	0.24
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	1	0.24
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	1	0.24
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	1	0.24
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	8	0.24
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	8	0.24
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	8	0.24
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	15	0.24
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	15	0.24
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	15	0.24
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	9	0.24
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	9	0.24
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	9	0.24
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	19	0.24
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	19	0.24
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	19	0.24
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	1	0.24
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	1	0.24
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	1	0.24
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	10	0.24
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	10	0.24
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	10	0.24
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	11	0.24
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	11	0.24
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	11	0.24
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	15	0.24
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	15	0.24
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	15	0.24
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	1	0.24
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	1	0.24
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	1	0.24
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	1	0.24
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	1	0.24
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	1	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	1	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	1	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	2	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	2	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	2	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	3	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	3	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	3	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	4	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	4	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	4	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	5	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	5	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	5	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	8	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	8	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	8	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	10	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	10	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	10	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	12	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	12	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	12	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	14	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	14	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	14	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	17	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	17	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	17	0.24
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	18	0.24
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	18	0.24
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	18	0.24
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	17	0.24
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	17	0.24
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	17	0.24
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	17	0.24
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	17	0.24
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	17	0.24
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	17	0.24
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	17	0.24
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	17	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	1	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	1	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	1	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	2	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	2	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	2	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	4	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	4	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	4	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	5	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	5	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	5	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	6	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	6	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	6	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	7	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	7	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	7	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	9	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	9	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	9	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	14	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	14	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	14	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	15	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	15	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	15	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	16	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	16	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	16	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	19	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	19	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	19	0.24
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	20	0.24
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	20	0.24
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	20	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	2	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	2	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	2	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	2	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	2	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	2	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	2	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	2	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	6	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	6	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	6	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	6	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	6	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	6	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	6	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	6	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	6	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	7	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	7	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	7	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	7	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	7	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	7	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	7	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	7	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	7	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	9	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	9	0.24
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	9	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	9	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	9	0.24
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	9	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	9	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	9	0.24
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	9	0.24
(1,2707)	1:63:A:ILE:HD12	1:52:A:ILE:H	2	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	6	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	6	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	6	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	6	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	6	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	6	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	6	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	6	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	6	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	9	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	9	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	9	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	9	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	9	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	9	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	9	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	9	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	20	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	20	0.24
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	20	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	20	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	20	0.24
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	20	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	20	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	20	0.24
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	20	0.24
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	5	0.24
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	5	0.24
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	5	0.24
(1,2701)	1:63:A:ILE:HG21	1:63:A:ILE:HG12	12	0.24
(1,2701)	1:63:A:ILE:HG22	1:63:A:ILE:HG12	12	0.24
(1,2701)	1:63:A:ILE:HG23	1:63:A:ILE:HG12	12	0.24
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	13	0.24
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	13	0.24
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	13	0.24
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	3	0.24
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	3	0.24
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	3	0.24
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	6	0.24
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	6	0.24
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	6	0.24
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	7	0.24
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	7	0.24
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	7	0.24
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	15	0.24
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	15	0.24
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	15	0.24
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	18	0.24
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	18	0.24
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	18	0.24
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	2	0.24
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	2	0.24
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	2	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	10	0.24
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	10	0.24
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	10	0.24
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	18	0.24
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	18	0.24
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	18	0.24
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	20	0.24
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	20	0.24
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	20	0.24
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	19	0.24
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	19	0.24
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	19	0.24
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	13	0.24
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	13	0.24
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	13	0.24
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	13	0.24
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	13	0.24
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	13	0.24
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	13	0.24
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	13	0.24
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	13	0.24
(1,2662)	1:55:A:VAL:HG22	1:71:A:MET:HB3	11	0.24
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	1	0.24
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	1	0.24
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	1	0.24
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	2	0.24
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	2	0.24
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	2	0.24
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	6	0.24
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	6	0.24
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	6	0.24
(1,2607)	1:44:A:THR:HG21	1:44:A:THR:HA	11	0.24
(1,2607)	1:44:A:THR:HG22	1:44:A:THR:HA	11	0.24
(1,2607)	1:44:A:THR:HG23	1:44:A:THR:HA	11	0.24
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	1	0.24
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	1	0.24
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	1	0.24
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	3	0.24
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	3	0.24
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	3	0.24
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	4	0.24
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	4	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	4	0.24
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	14	0.24
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	14	0.24
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	14	0.24
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	17	0.24
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	17	0.24
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	17	0.24
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	18	0.24
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	18	0.24
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	18	0.24
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	3	0.24
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	3	0.24
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	3	0.24
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	20	0.24
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	20	0.24
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	20	0.24
(1,2572)	1:34:A:THR:HG21	1:34:A:THR:HA	13	0.24
(1,2572)	1:34:A:THR:HG22	1:34:A:THR:HA	13	0.24
(1,2572)	1:34:A:THR:HG23	1:34:A:THR:HA	13	0.24
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	2	0.24
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	2	0.24
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	2	0.24
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	7	0.24
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	7	0.24
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	7	0.24
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	15	0.24
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	15	0.24
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	15	0.24
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	16	0.24
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	16	0.24
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	16	0.24
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	18	0.24
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	18	0.24
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	18	0.24
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	19	0.24
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	19	0.24
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	19	0.24
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	6	0.24
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	6	0.24
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	6	0.24
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	9	0.24
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	9	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	9	0.24
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	17	0.24
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	17	0.24
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	17	0.24
(1,2483)	1:9:A:ILE:HD11	1:9:A:ILE:HB	7	0.24
(1,2483)	1:9:A:ILE:HD12	1:9:A:ILE:HB	7	0.24
(1,2483)	1:9:A:ILE:HD13	1:9:A:ILE:HB	7	0.24
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	5	0.24
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	5	0.24
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	5	0.24
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	16	0.24
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	16	0.24
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	16	0.24
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	18	0.24
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	18	0.24
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	18	0.24
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	5	0.24
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	15	0.24
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	19	0.24
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	19	0.24
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	19	0.24
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	19	0.24
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	19	0.24
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	19	0.24
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG13	12	0.24
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG13	14	0.24
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	15	0.24
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	15	0.24
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	15	0.24
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	15	0.24
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	8	0.24
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	8	0.24
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	2	0.24
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	4	0.24
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	3	0.24
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	3	0.24
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	3	0.24
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	1	0.24
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	17	0.24
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	8	0.24
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	8	0.24
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	20	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	7	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	7	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	7	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	12	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	12	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	12	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	14	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	14	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	14	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG11	19	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG12	19	0.24
(1,1922)	1:19:A:PHE:HA	1:35:A:VAL:HG13	19	0.24
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	4	0.24
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	6	0.24
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	11	0.24
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	14	0.24
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	17	0.24
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	1	0.24
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	1	0.24
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	1	0.24
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	4	0.24
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	4	0.24
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	4	0.24
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	5	0.24
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	5	0.24
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	5	0.24
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	15	0.24
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	6	0.24
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	3	0.24
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	5	0.24
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	10	0.24
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	11	0.24
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	12	0.24
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	15	0.24
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	16	0.24
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	7	0.24
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	12	0.24
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	14	0.24
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG2	19	0.24
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG3	19	0.24
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	6	0.24
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	6	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	15	0.24
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	15	0.24
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	2	0.24
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	9	0.24
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	2	0.24
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	3	0.24
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	13	0.24
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	17	0.24
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	18	0.24
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	18	0.24
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	5	0.24
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	9	0.24
(1,1493)	1:135:A:GLN:H	1:125:A:ILE:HG22	2	0.24
(1,1492)	1:135:A:GLN:H	1:135:A:GLN:HE21	13	0.24
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	3	0.24
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	4	0.24
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	14	0.24
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	14	0.24
(1,1361)	1:124:A:MET:H	1:124:A:MET:HG2	19	0.24
(1,1248)	1:114:A:GLU:H	1:114:A:GLU:HB2	20	0.24
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	5	0.24
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	5	0.24
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	5	0.24
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG11	13	0.24
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG12	13	0.24
(1,1166)	1:106:A:ARG:H	1:121:A:VAL:HG13	13	0.24
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	13	0.24
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	11	0.24
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	3	0.24
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	3	0.24
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	11	0.24
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	11	0.24
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	17	0.24
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	17	0.24
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	14	0.24
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	14	0.24
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	14	0.24
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	9	0.24
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	9	0.24
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	9	0.24
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	16	0.24
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	16	0.24
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	5	0.24
(1,907)	1:85:A:ILE:H	1:84:A:GLU:HB2	4	0.24
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	2	0.24
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	11	0.24
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	20	0.24
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	11	0.24
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	13	0.24
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	17	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	4	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	4	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	4	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	8	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	8	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	8	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	16	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	16	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	16	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	17	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	17	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	17	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	18	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	18	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	18	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	20	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	20	0.24
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	20	0.24
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	9	0.24
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	11	0.24
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	12	0.24
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	20	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	7	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	7	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	7	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	8	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	8	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	8	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	10	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	10	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	10	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	17	0.24
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	17	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	17	0.24
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	5	0.24
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	6	0.24
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG2	5	0.24
(1,343)	1:30:A:LYS:H	1:30:A:LYS:HG3	5	0.24
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	2	0.24
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	4	0.24
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	13	0.24
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	17	0.24
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	2	0.24
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	18	0.24
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	19	0.24
(1,214)	1:20:A:ASP:H	1:19:A:PHE:HD1	12	0.24
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	2	0.24
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	3	0.24
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	11	0.24
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB3	14	0.24
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB2	20	0.24
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	1	0.24
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	2	0.24
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	17	0.24
(1,93)	1:11:A:GLU:H	1:11:A:GLU:HG2	14	0.24
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	19	0.24
(1,38)	1:7:A:GLU:H	1:6:A:GLU:HG3	3	0.24
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	5	0.24
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	9	0.24
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	17	0.24
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	7	0.24
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	7	0.24
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	7	0.24
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	19	0.24
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	19	0.24
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	19	0.24
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB2	6	0.23
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	5	0.23
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	5	0.23
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	5	0.23
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	17	0.23
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	17	0.23
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	17	0.23
(1,3384)	2:208:B:LEU:HB2	2:205:B:MET:HA	14	0.23
(1,3384)	2:208:B:LEU:HB3	2:205:B:MET:HA	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3380)	2:208:B:LEU:HD21	2:208:B:LEU:H	6	0.23
(1,3380)	2:208:B:LEU:HD22	2:208:B:LEU:H	6	0.23
(1,3380)	2:208:B:LEU:HD23	2:208:B:LEU:H	6	0.23
(1,3370)	2:208:B:LEU:HG	2:208:B:LEU:H	15	0.23
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	9	0.23
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	10	0.23
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	12	0.23
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD11	9	0.23
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	14	0.23
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	20	0.23
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	20	0.23
(1,3323)	2:201:B:MET:HG2	2:201:B:MET:HA	18	0.23
(1,3323)	2:201:B:MET:HG3	2:201:B:MET:HA	18	0.23
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	12	0.23
(1,3208)	2:204:B:PHE:H	2:203:B:VAL:HA	1	0.23
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	5	0.23
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	5	0.23
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	12	0.23
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	12	0.23
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	3	0.23
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	3	0.23
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	10	0.23
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	10	0.23
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	12	0.23
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	12	0.23
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	12	0.23
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	12	0.23
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	5	0.23
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	2	0.23
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	11	0.23
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	20	0.23
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD11	3	0.23
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	8	0.23
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	18	0.23
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	10	0.23
(1,3057)	1:72:A:MET:HG2	1:72:A:MET:HB3	18	0.23
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	8	0.23
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	10	0.23
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	16	0.23
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	9	0.23
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	9	0.23
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	9	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	13	0.23
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	13	0.23
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	13	0.23
(1,3022)	1:146:A:THR:HG21	1:143:A:GLN:HA	15	0.23
(1,3022)	1:146:A:THR:HG22	1:143:A:GLN:HA	15	0.23
(1,3022)	1:146:A:THR:HG23	1:143:A:GLN:HA	15	0.23
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	11	0.23
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	11	0.23
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	11	0.23
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	2	0.23
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	2	0.23
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	2	0.23
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	2	0.23
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	2	0.23
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	2	0.23
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	11	0.23
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	11	0.23
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	11	0.23
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	11	0.23
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	11	0.23
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	11	0.23
(1,2992)	1:142:A:VAL:HG21	1:142:A:VAL:HA	7	0.23
(1,2992)	1:142:A:VAL:HG22	1:142:A:VAL:HA	7	0.23
(1,2992)	1:142:A:VAL:HG23	1:142:A:VAL:HA	7	0.23
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	6	0.23
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	6	0.23
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	6	0.23
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	7	0.23
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	7	0.23
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	7	0.23
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	9	0.23
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	9	0.23
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	9	0.23
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	15	0.23
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	15	0.23
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	15	0.23
(1,2972)	1:136:A:VAL:HG21	1:136:A:VAL:HA	16	0.23
(1,2972)	1:136:A:VAL:HG22	1:136:A:VAL:HA	16	0.23
(1,2972)	1:136:A:VAL:HG23	1:136:A:VAL:HA	16	0.23
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	2	0.23
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	2	0.23
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	6	0.23
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	6	0.23
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	6	0.23
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	8	0.23
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	8	0.23
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	8	0.23
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	10	0.23
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	10	0.23
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	10	0.23
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	19	0.23
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	19	0.23
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	19	0.23
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	20	0.23
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	20	0.23
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	20	0.23
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	2	0.23
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	2	0.23
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	2	0.23
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	3	0.23
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	3	0.23
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	3	0.23
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	6	0.23
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	6	0.23
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	6	0.23
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	8	0.23
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	8	0.23
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	8	0.23
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	10	0.23
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	10	0.23
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	10	0.23
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	19	0.23
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	19	0.23
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	19	0.23
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	20	0.23
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	20	0.23
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	20	0.23
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	1	0.23
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	1	0.23
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	1	0.23
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	18	0.23
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	18	0.23
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	18	0.23
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	18	0.23
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	18	0.23
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	18	0.23
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	18	0.23
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	18	0.23
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	16	0.23
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	16	0.23
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	16	0.23
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	8	0.23
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	8	0.23
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	8	0.23
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	17	0.23
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	17	0.23
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	17	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	1	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	1	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	1	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	2	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	2	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	2	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	3	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	3	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	3	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	4	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	4	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	4	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	10	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	10	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	10	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	11	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	11	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	11	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	12	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	12	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	12	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	14	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	14	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	14	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	15	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	15	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	16	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	16	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	16	0.23
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	20	0.23
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	20	0.23
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	20	0.23
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	10	0.23
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	10	0.23
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	10	0.23
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	11	0.23
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	11	0.23
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	11	0.23
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	14	0.23
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	14	0.23
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	14	0.23
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	11	0.23
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	11	0.23
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	11	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	3	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	3	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	3	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	7	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	7	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	7	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	8	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	8	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	8	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	10	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	10	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	10	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	11	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	11	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	11	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	12	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	12	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	12	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	13	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	13	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	13	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	14	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	14	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	15	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	15	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	15	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	16	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	16	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	16	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	18	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	18	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	18	0.23
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	19	0.23
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	19	0.23
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	19	0.23
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	16	0.23
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	16	0.23
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	16	0.23
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	6	0.23
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	6	0.23
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	6	0.23
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	10	0.23
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	10	0.23
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	10	0.23
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	12	0.23
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	12	0.23
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	12	0.23
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	2	0.23
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	2	0.23
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	2	0.23
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	19	0.23
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	19	0.23
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	19	0.23
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	19	0.23
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	19	0.23
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	19	0.23
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	16	0.23
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	16	0.23
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	16	0.23
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	1	0.23
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	1	0.23
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	1	0.23
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	5	0.23
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	5	0.23
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	7	0.23
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	7	0.23
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	7	0.23
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	12	0.23
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	12	0.23
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	12	0.23
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	13	0.23
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	13	0.23
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	13	0.23
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	14	0.23
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	14	0.23
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	14	0.23
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	17	0.23
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	17	0.23
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	17	0.23
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	14	0.23
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	14	0.23
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	14	0.23
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	13	0.23
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	13	0.23
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	13	0.23
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	10	0.23
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	10	0.23
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	10	0.23
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	17	0.23
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	17	0.23
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	17	0.23
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	5	0.23
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	5	0.23
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	5	0.23
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	8	0.23
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	8	0.23
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	8	0.23
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	14	0.23
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	14	0.23
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	14	0.23
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	2	0.23
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	2	0.23
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	2	0.23
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	2	0.23
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	2	0.23
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	2	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2771)	1:85:A:ILE:HG21	1:142:A:VAL:HA	4	0.23
(1,2771)	1:85:A:ILE:HG22	1:142:A:VAL:HA	4	0.23
(1,2771)	1:85:A:ILE:HG23	1:142:A:VAL:HA	4	0.23
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	6	0.23
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	6	0.23
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	6	0.23
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	3	0.23
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	3	0.23
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	3	0.23
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	10	0.23
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	10	0.23
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	10	0.23
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	13	0.23
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	13	0.23
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	13	0.23
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	7	0.23
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	7	0.23
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	7	0.23
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	9	0.23
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	9	0.23
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	9	0.23
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	15	0.23
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	15	0.23
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	15	0.23
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	19	0.23
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	19	0.23
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	19	0.23
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	2	0.23
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	2	0.23
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	2	0.23
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	2	0.23
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	2	0.23
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	2	0.23
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	2	0.23
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	2	0.23
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	2	0.23
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	3	0.23
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	3	0.23
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	3	0.23
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	3	0.23
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	3	0.23
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	3	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	3	0.23
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	3	0.23
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	3	0.23
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	18	0.23
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	18	0.23
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	18	0.23
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	15	0.23
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	15	0.23
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	15	0.23
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	10	0.23
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	10	0.23
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	10	0.23
(1,2710)	1:63:A:ILE:HD11	1:63:A:ILE:HB	12	0.23
(1,2710)	1:63:A:ILE:HD12	1:63:A:ILE:HB	12	0.23
(1,2710)	1:63:A:ILE:HD13	1:63:A:ILE:HB	12	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	4	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	4	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	4	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	4	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	4	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	4	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	4	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	4	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	4	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	14	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	14	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	14	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	14	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	14	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	14	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	14	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	14	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	14	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	20	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	20	0.23
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	20	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	20	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	20	0.23
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	20	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	20	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	20	0.23
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	20	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:63:A:ILE:HD13	1:52:A:ILE:H	3	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	4	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	4	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	4	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	4	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	4	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	4	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	4	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	4	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	4	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	14	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	14	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	14	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	14	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	14	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	14	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	14	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	14	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	14	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	16	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	16	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	16	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	16	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	16	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	16	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	16	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	16	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	16	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	18	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	18	0.23
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	18	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	18	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	18	0.23
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	18	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	18	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	18	0.23
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	18	0.23
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	1	0.23
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	1	0.23
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	1	0.23
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	1	0.23
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	1	0.23
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	8	0.23
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	8	0.23
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	8	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	1	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	1	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	1	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	2	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	2	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	2	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	4	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	4	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	4	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	5	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	5	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	5	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	6	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	6	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	6	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	7	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	7	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	7	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	8	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	8	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	8	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	9	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	9	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	9	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	10	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	10	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	10	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	11	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	11	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	11	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	12	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	12	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	12	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	13	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	13	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	13	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	14	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	14	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	15	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	15	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	15	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	16	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	16	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	16	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	17	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	17	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	17	0.23
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	19	0.23
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	19	0.23
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	19	0.23
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	17	0.23
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	17	0.23
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	17	0.23
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	17	0.23
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	17	0.23
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	17	0.23
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	17	0.23
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	17	0.23
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	17	0.23
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	3	0.23
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	3	0.23
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	3	0.23
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	7	0.23
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	7	0.23
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	7	0.23
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	9	0.23
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	9	0.23
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	9	0.23
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	10	0.23
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	10	0.23
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	10	0.23
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	12	0.23
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	12	0.23
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	12	0.23
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	16	0.23
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	16	0.23
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	16	0.23
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	7	0.23
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	7	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	7	0.23
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	3	0.23
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	3	0.23
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	3	0.23
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	10	0.23
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	10	0.23
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	10	0.23
(1,2611)	1:48:A:LEU:HD11	1:33:A:GLY:HA2	6	0.23
(1,2611)	1:48:A:LEU:HD12	1:33:A:GLY:HA2	6	0.23
(1,2611)	1:48:A:LEU:HD13	1:33:A:GLY:HA2	6	0.23
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	4	0.23
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	4	0.23
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	4	0.23
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	2	0.23
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	2	0.23
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	2	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	1	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	1	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	1	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	3	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	3	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	3	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	4	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	4	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	4	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	8	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	8	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	8	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	9	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	9	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	9	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	10	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	10	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	10	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	11	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	11	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	11	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	13	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	13	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	13	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	14	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	14	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	14	0.23
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	17	0.23
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	17	0.23
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	17	0.23
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	5	0.23
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	5	0.23
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	5	0.23
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	11	0.23
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	11	0.23
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	11	0.23
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	14	0.23
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	14	0.23
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	14	0.23
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	18	0.23
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	18	0.23
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	18	0.23
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	19	0.23
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	19	0.23
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	19	0.23
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	1	0.23
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	1	0.23
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	1	0.23
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	4	0.23
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	4	0.23
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	4	0.23
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	5	0.23
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	5	0.23
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	5	0.23
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	7	0.23
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	7	0.23
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	7	0.23
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	11	0.23
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	11	0.23
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	11	0.23
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	18	0.23
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	18	0.23
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	18	0.23
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	20	0.23
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	20	0.23
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	20	0.23
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	8	0.23
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	8	0.23
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	8	0.23
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	8	0.23
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	8	0.23
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	8	0.23
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	8	0.23
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	8	0.23
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	10	0.23
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	10	0.23
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	10	0.23
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	10	0.23
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	10	0.23
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	10	0.23
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	10	0.23
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	10	0.23
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	10	0.23
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	2	0.23
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	2	0.23
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	2	0.23
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	4	0.23
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	4	0.23
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	4	0.23
(1,2457)	1:4:A:LEU:HD21	1:73:A:ALA:HB1	18	0.23
(1,2457)	1:4:A:LEU:HD21	1:73:A:ALA:HB2	18	0.23
(1,2457)	1:4:A:LEU:HD21	1:73:A:ALA:HB3	18	0.23
(1,2457)	1:4:A:LEU:HD22	1:73:A:ALA:HB1	18	0.23
(1,2457)	1:4:A:LEU:HD22	1:73:A:ALA:HB2	18	0.23
(1,2457)	1:4:A:LEU:HD22	1:73:A:ALA:HB3	18	0.23
(1,2457)	1:4:A:LEU:HD23	1:73:A:ALA:HB1	18	0.23
(1,2457)	1:4:A:LEU:HD23	1:73:A:ALA:HB2	18	0.23
(1,2457)	1:4:A:LEU:HD23	1:73:A:ALA:HB3	18	0.23
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	6	0.23
(1,2408)	1:40:A:GLY:HA2	1:39:A:LEU:H	16	0.23
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	3	0.23
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	10	0.23
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	11	0.23
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	12	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	1	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	1	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	1	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	1	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	1	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	10	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	10	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	10	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	10	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	10	0.23
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	10	0.23
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	5	0.23
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	13	0.23
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	15	0.23
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	7	0.23
(1,2320)	1:142:A:VAL:HA	1:145:A:MET:HG2	9	0.23
(1,2320)	1:142:A:VAL:HA	1:145:A:MET:HG3	9	0.23
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	3	0.23
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	17	0.23
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG21	3	0.23
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG11	10	0.23
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG13	13	0.23
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	1	0.23
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	1	0.23
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	2	0.23
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	2	0.23
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	20	0.23
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	20	0.23
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	20	0.23
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	14	0.23
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	14	0.23
(1,2099)	1:75:A:LYS:HA	1:75:A:LYS:HD2	19	0.23
(1,2099)	1:75:A:LYS:HA	1:75:A:LYS:HD3	19	0.23
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	4	0.23
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	4	0.23
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	14	0.23
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	14	0.23
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	17	0.23
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	17	0.23
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	17	0.23
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	2	0.23
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	12	0.23
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	11	0.23
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	12	0.23
(1,2015)	1:53:A:ASN:HA	1:53:A:ASN:HB3	14	0.23
(1,2015)	1:53:A:ASN:HA	1:53:A:ASN:HB3	19	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	17	0.23
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	20	0.23
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	19	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	1	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	2	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	3	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	5	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	7	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	8	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	9	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	10	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	12	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	13	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	15	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	16	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	18	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	19	0.23
(1,1902)	1:16:A:PHE:HA	1:16:A:PHE:HB3	20	0.23
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	14	0.23
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	14	0.23
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	7	0.23
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	7	0.23
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	7	0.23
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	9	0.23
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	9	0.23
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	9	0.23
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	8	0.23
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	13	0.23
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	2	0.23
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	6	0.23
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	14	0.23
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	4	0.23
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	18	0.23
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	19	0.23
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	20	0.23
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	10	0.23
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	16	0.23
(1,1695)	1:42:A:ASN:HD21	1:42:A:ASN:HB2	20	0.23
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	10	0.23
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	10	0.23
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	1	0.23
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	17	0.23
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	20	0.23
(1,1643)	1:145:A:MET:H	1:142:A:VAL:HG12	3	0.23
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	5	0.23
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	6	0.23
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	15	0.23
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	16	0.23
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	6	0.23
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	8	0.23
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	13	0.23
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	14	0.23
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	18	0.23
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	7	0.23
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	7	0.23
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	7	0.23
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	11	0.23
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	11	0.23
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	11	0.23
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	10	0.23
(1,1492)	1:135:A:GLN:H	1:135:A:GLN:HE21	3	0.23
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	13	0.23
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	16	0.23
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG23	14	0.23
(1,1248)	1:114:A:GLU:H	1:114:A:GLU:HB2	15	0.23
(1,1167)	1:106:A:ARG:H	1:106:A:ARG:HD3	2	0.23
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG23	15	0.23
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	1	0.23
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	12	0.23
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	15	0.23
(1,1012)	1:94:A:LYS:H	1:104:A:GLU:HB2	6	0.23
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	1	0.23
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	6	0.23
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	5	0.23
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	5	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	4	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	4	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	4	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	5	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	5	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	5	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	6	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	6	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	6	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	9	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	9	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	9	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	10	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	10	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	10	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	13	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	13	0.23
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	13	0.23
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	4	0.23
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	4	0.23
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	4	0.23
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	14	0.23
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	14	0.23
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	14	0.23
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	20	0.23
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	20	0.23
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	20	0.23
(1,907)	1:85:A:ILE:H	1:84:A:GLU:HB2	9	0.23
(1,907)	1:85:A:ILE:H	1:84:A:GLU:HB2	17	0.23
(1,895)	1:83:A:GLU:H	1:85:A:ILE:HG12	9	0.23
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	10	0.23
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	13	0.23
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	14	0.23
(1,806)	1:72:A:MET:H	1:72:A:MET:HG3	17	0.23
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	5	0.23
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	16	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	5	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	5	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	5	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	7	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	7	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	7	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	10	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	10	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	10	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	15	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	15	0.23
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	15	0.23
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	2	0.23
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	5	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	15	0.23
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	18	0.23
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	4	0.23
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	4	0.23
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	4	0.23
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	9	0.23
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	9	0.23
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	9	0.23
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	11	0.23
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	11	0.23
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	11	0.23
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	2	0.23
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	3	0.23
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD12	4	0.23
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	1	0.23
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	5	0.23
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	10	0.23
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	1	0.23
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	5	0.23
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	8	0.23
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	10	0.23
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	17	0.23
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	16	0.23
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	4	0.23
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	5	0.23
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	6	0.23
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB3	4	0.23
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	8	0.23
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	4	0.23
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	10	0.23
(1,72)	1:9:A:ILE:H	1:4:A:LEU:HG	14	0.23
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	8	0.23
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	18	0.23
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	14	0.23
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	5	0.23
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	5	0.23
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	5	0.23
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	15	0.23
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	15	0.23
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	15	0.23
(1,7)	1:3:A:GLN:H	1:3:A:GLN:HG2	12	0.23
(1,7)	1:3:A:GLN:H	1:3:A:GLN:HG3	12	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	6	0.22
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	6	0.22
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	6	0.22
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD23	10	0.22
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD22	19	0.22
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	14	0.22
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	14	0.22
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	14	0.22
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	14	0.22
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	14	0.22
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	14	0.22
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	14	0.22
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	14	0.22
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	14	0.22
(1,3411)	1:145:A:MET:HE2	2:215:B:VAL:HG21	12	0.22
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	5	0.22
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	5	0.22
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	5	0.22
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	5	0.22
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	5	0.22
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	5	0.22
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	8	0.22
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	8	0.22
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	8	0.22
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	8	0.22
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	8	0.22
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	8	0.22
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	11	0.22
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	11	0.22
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	11	0.22
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	11	0.22
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	11	0.22
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	11	0.22
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	5	0.22
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	5	0.22
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	5	0.22
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	12	0.22
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	12	0.22
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	12	0.22
(1,3379)	2:208:B:LEU:HD21	2:208:B:LEU:HA	1	0.22
(1,3379)	2:208:B:LEU:HD22	2:208:B:LEU:HA	1	0.22
(1,3379)	2:208:B:LEU:HD23	2:208:B:LEU:HA	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3379)	2:208:B:LEU:HD21	2:208:B:LEU:HA	14	0.22
(1,3379)	2:208:B:LEU:HD22	2:208:B:LEU:HA	14	0.22
(1,3379)	2:208:B:LEU:HD23	2:208:B:LEU:HA	14	0.22
(1,3365)	2:205:B:MET:HB2	2:205:B:MET:HA	16	0.22
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	1	0.22
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	2	0.22
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	5	0.22
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	3	0.22
(1,3346)	2:204:B:PHE:HE1	1:39:A:LEU:HD13	12	0.22
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	3	0.22
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE1	18	0.22
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD11	7	0.22
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	11	0.22
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	11	0.22
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	15	0.22
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	15	0.22
(1,3323)	2:201:B:MET:HG2	2:201:B:MET:HA	12	0.22
(1,3323)	2:201:B:MET:HG3	2:201:B:MET:HA	12	0.22
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	2	0.22
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	2	0.22
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB3	11	0.22
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB2	9	0.22
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB3	9	0.22
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	13	0.22
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	3	0.22
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	8	0.22
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	19	0.22
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	19	0.22
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	19	0.22
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD23	11	0.22
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD21	10	0.22
(1,3075)	1:109:A:MET:HG3	1:105:A:LEU:HD23	12	0.22
(1,3064)	1:76:A:MET:HG2	1:76:A:MET:H	17	0.22
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	20	0.22
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	15	0.22
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	3	0.22
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	3	0.22
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	3	0.22
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	3	0.22
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	3	0.22
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	3	0.22
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	20	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	20	0.22
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	20	0.22
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	20	0.22
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	20	0.22
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	20	0.22
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	1	0.22
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	1	0.22
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	1	0.22
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	8	0.22
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	8	0.22
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	8	0.22
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	18	0.22
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	18	0.22
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	18	0.22
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	20	0.22
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	20	0.22
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	20	0.22
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	5	0.22
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	5	0.22
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	5	0.22
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	5	0.22
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	5	0.22
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	5	0.22
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	17	0.22
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	17	0.22
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	17	0.22
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	1	0.22
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	1	0.22
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	1	0.22
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	13	0.22
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	13	0.22
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	13	0.22
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	16	0.22
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	16	0.22
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	16	0.22
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	18	0.22
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	18	0.22
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	18	0.22
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	11	0.22
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	11	0.22
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	11	0.22
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	16	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	16	0.22
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	16	0.22
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	9	0.22
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	9	0.22
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	9	0.22
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	9	0.22
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	9	0.22
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	9	0.22
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	9	0.22
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	9	0.22
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	9	0.22
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	20	0.22
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	20	0.22
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	20	0.22
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	20	0.22
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	20	0.22
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	20	0.22
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	20	0.22
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	20	0.22
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	20	0.22
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	10	0.22
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	10	0.22
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	10	0.22
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	5	0.22
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	5	0.22
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	5	0.22
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	18	0.22
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	18	0.22
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	18	0.22
(1,2916)	1:124:A:MET:HE1	1:124:A:MET:HA	14	0.22
(1,2916)	1:124:A:MET:HE2	1:124:A:MET:HA	14	0.22
(1,2916)	1:124:A:MET:HE3	1:124:A:MET:HA	14	0.22
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	4	0.22
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	4	0.22
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	4	0.22
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	5	0.22
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	5	0.22
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	5	0.22
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	19	0.22
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	19	0.22
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	19	0.22
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	9	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	9	0.22
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	9	0.22
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	6	0.22
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	6	0.22
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	6	0.22
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	6	0.22
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	6	0.22
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	6	0.22
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	20	0.22
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	20	0.22
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	20	0.22
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	5	0.22
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	5	0.22
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	5	0.22
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	6	0.22
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	6	0.22
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	6	0.22
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	7	0.22
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	7	0.22
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	7	0.22
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	8	0.22
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	8	0.22
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	8	0.22
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	9	0.22
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	9	0.22
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	9	0.22
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	13	0.22
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	13	0.22
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	13	0.22
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	17	0.22
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	17	0.22
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	17	0.22
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	18	0.22
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	18	0.22
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	18	0.22
(1,2889)	1:117:A:THR:HG21	1:117:A:THR:HA	19	0.22
(1,2889)	1:117:A:THR:HG22	1:117:A:THR:HA	19	0.22
(1,2889)	1:117:A:THR:HG23	1:117:A:THR:HA	19	0.22
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	6	0.22
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	6	0.22
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	6	0.22
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	15	0.22
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	15	0.22
(1,2887)	1:117:A:THR:HG21	1:117:A:THR:H	20	0.22
(1,2887)	1:117:A:THR:HG22	1:117:A:THR:H	20	0.22
(1,2887)	1:117:A:THR:HG23	1:117:A:THR:H	20	0.22
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	2	0.22
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	2	0.22
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	2	0.22
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	4	0.22
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	4	0.22
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	4	0.22
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	16	0.22
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	16	0.22
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	16	0.22
(1,2861)	1:108:A:VAL:HG21	1:108:A:VAL:HA	6	0.22
(1,2861)	1:108:A:VAL:HG22	1:108:A:VAL:HA	6	0.22
(1,2861)	1:108:A:VAL:HG23	1:108:A:VAL:HA	6	0.22
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	7	0.22
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	7	0.22
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	7	0.22
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	16	0.22
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	16	0.22
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	16	0.22
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	11	0.22
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	11	0.22
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	11	0.22
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	11	0.22
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	11	0.22
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	11	0.22
(1,2815)	1:100:A:ILE:HD11	1:100:A:ILE:HA	7	0.22
(1,2815)	1:100:A:ILE:HD12	1:100:A:ILE:HA	7	0.22
(1,2815)	1:100:A:ILE:HD13	1:100:A:ILE:HA	7	0.22
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	4	0.22
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	4	0.22
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	4	0.22
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	3	0.22
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	3	0.22
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	3	0.22
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	3	0.22
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	3	0.22
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	3	0.22
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	3	0.22
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	3	0.22
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	3	0.22
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	3	0.22
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	3	0.22
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	10	0.22
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	10	0.22
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	10	0.22
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	11	0.22
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	11	0.22
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	11	0.22
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	16	0.22
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	16	0.22
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	16	0.22
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	9	0.22
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	9	0.22
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	9	0.22
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	16	0.22
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	16	0.22
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	16	0.22
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	2	0.22
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	2	0.22
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	2	0.22
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	4	0.22
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	4	0.22
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	4	0.22
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	5	0.22
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	5	0.22
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	5	0.22
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	7	0.22
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	7	0.22
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	7	0.22
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	11	0.22
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	11	0.22
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	11	0.22
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	12	0.22
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	12	0.22
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	12	0.22
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	18	0.22
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	18	0.22
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	18	0.22
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	19	0.22
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	19	0.22
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	2	0.22
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	2	0.22
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	2	0.22
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	2	0.22
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	2	0.22
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	2	0.22
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	10	0.22
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	10	0.22
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	10	0.22
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	10	0.22
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	10	0.22
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	10	0.22
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD21	8	0.22
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD22	8	0.22
(1,2724)	1:69:A:LEU:HD21	1:4:A:LEU:HD23	8	0.22
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD21	8	0.22
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD22	8	0.22
(1,2724)	1:69:A:LEU:HD22	1:4:A:LEU:HD23	8	0.22
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD21	8	0.22
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD22	8	0.22
(1,2724)	1:69:A:LEU:HD23	1:4:A:LEU:HD23	8	0.22
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	14	0.22
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	14	0.22
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	14	0.22
(1,2715)	1:69:A:LEU:HD21	1:69:A:LEU:HB2	18	0.22
(1,2715)	1:69:A:LEU:HD22	1:69:A:LEU:HB2	18	0.22
(1,2715)	1:69:A:LEU:HD23	1:69:A:LEU:HB2	18	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	1	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	1	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	1	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	1	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	1	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	1	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	1	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	1	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	1	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	3	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	3	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	3	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	3	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	3	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	3	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	3	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	3	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	3	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	11	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	11	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	11	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	11	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	11	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	11	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	11	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	11	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	11	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	16	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	16	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	16	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	16	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	16	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	16	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	16	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	16	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	16	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	18	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	18	0.22
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	18	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	18	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	18	0.22
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	18	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	18	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	18	0.22
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	18	0.22
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	14	0.22
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	14	0.22
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	14	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	1	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	1	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	1	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	1	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	1	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	1	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	1	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	1	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	3	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	3	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	3	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	3	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	3	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	3	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	3	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	3	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	3	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	8	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	8	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	8	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	8	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	8	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	8	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	8	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	8	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	8	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	11	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	11	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	11	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	11	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	11	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	11	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	11	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	11	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	11	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	17	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	17	0.22
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	17	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	17	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	17	0.22
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	17	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	17	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	17	0.22
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	17	0.22
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	2	0.22
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	2	0.22
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	2	0.22
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	2	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	2	0.22
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	2	0.22
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	3	0.22
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	3	0.22
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	3	0.22
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	3	0.22
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	3	0.22
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	3	0.22
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	11	0.22
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	11	0.22
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	11	0.22
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	11	0.22
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	11	0.22
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	11	0.22
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	13	0.22
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	13	0.22
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	13	0.22
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	13	0.22
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	13	0.22
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	13	0.22
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	19	0.22
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	19	0.22
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	19	0.22
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	3	0.22
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	3	0.22
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	3	0.22
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	18	0.22
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	18	0.22
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	18	0.22
(1,2681)	1:57:A:ALA:HB1	1:57:A:ALA:H	20	0.22
(1,2681)	1:57:A:ALA:HB2	1:57:A:ALA:H	20	0.22
(1,2681)	1:57:A:ALA:HB3	1:57:A:ALA:H	20	0.22
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	20	0.22
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	20	0.22
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	20	0.22
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	7	0.22
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	7	0.22
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	7	0.22
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	18	0.22
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	18	0.22
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	18	0.22
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	6	0.22
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	6	0.22
(1,2657)	1:55:A:VAL:HG23	1:63:A:ILE:HG21	8	0.22
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	6	0.22
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	6	0.22
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	6	0.22
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	20	0.22
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	20	0.22
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	20	0.22
(1,2629)	1:51:A:MET:HE1	1:51:A:MET:HB3	12	0.22
(1,2629)	1:51:A:MET:HE2	1:51:A:MET:HB3	12	0.22
(1,2629)	1:51:A:MET:HE3	1:51:A:MET:HB3	12	0.22
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	11	0.22
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	11	0.22
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	11	0.22
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	17	0.22
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	17	0.22
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	17	0.22
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	2	0.22
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	2	0.22
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	2	0.22
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	4	0.22
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	4	0.22
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	4	0.22
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	20	0.22
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	20	0.22
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	20	0.22
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	6	0.22
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	6	0.22
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	6	0.22
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	2	0.22
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	2	0.22
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	2	0.22
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	10	0.22
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	10	0.22
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	10	0.22
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	12	0.22
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	12	0.22
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	12	0.22
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	13	0.22
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	13	0.22
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	13	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	14	0.22
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	14	0.22
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	14	0.22
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	16	0.22
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	16	0.22
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	16	0.22
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	19	0.22
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	19	0.22
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	19	0.22
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	20	0.22
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	20	0.22
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	20	0.22
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	6	0.22
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	6	0.22
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	6	0.22
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	8	0.22
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	8	0.22
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	8	0.22
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	9	0.22
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	9	0.22
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	9	0.22
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	12	0.22
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	12	0.22
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	12	0.22
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	1	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	1	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	1	0.22
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	3	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	3	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	3	0.22
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	4	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	4	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	4	0.22
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	6	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	6	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	6	0.22
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	9	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	9	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	9	0.22
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	10	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	10	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	12	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	12	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	12	0.22
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	15	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	15	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	15	0.22
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	17	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	17	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	17	0.22
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	20	0.22
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	20	0.22
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	20	0.22
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	3	0.22
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	3	0.22
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	3	0.22
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	8	0.22
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	8	0.22
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	8	0.22
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	19	0.22
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	19	0.22
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	19	0.22
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	3	0.22
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	3	0.22
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	3	0.22
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	3	0.22
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	3	0.22
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	3	0.22
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	3	0.22
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	3	0.22
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	3	0.22
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	8	0.22
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	8	0.22
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	8	0.22
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	1	0.22
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	1	0.22
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	1	0.22
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	3	0.22
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	3	0.22
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	3	0.22
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	8	0.22
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	8	0.22
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	9	0.22
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	9	0.22
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	9	0.22
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	10	0.22
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	10	0.22
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	10	0.22
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	13	0.22
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	13	0.22
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	13	0.22
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	14	0.22
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	14	0.22
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	14	0.22
(1,2462)	1:4:A:LEU:HD21	1:4:A:LEU:H	20	0.22
(1,2462)	1:4:A:LEU:HD22	1:4:A:LEU:H	20	0.22
(1,2462)	1:4:A:LEU:HD23	1:4:A:LEU:H	20	0.22
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	14	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	5	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	5	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	5	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	5	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	5	0.22
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	5	0.22
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	6	0.22
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	8	0.22
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	4	0.22
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	4	0.22
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	4	0.22
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	7	0.22
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	11	0.22
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	11	0.22
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	14	0.22
(1,2091)	1:73:A:ALA:HA	1:76:A:MET:HB2	17	0.22
(1,2091)	1:73:A:ALA:HA	1:76:A:MET:HB3	17	0.22
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	13	0.22
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	9	0.22
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	4	0.22
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	4	0.22
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	4	0.22
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	12	0.22
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	1	0.22
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	7	0.22
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	15	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	20	0.22
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	9	0.22
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	16	0.22
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	20	0.22
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	2	0.22
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	3	0.22
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	3	0.22
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	15	0.22
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	15	0.22
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	2	0.22
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	5	0.22
(1,1783)	1:126:A:ARG:HE	1:123:A:GLU:HG2	19	0.22
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	9	0.22
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	17	0.22
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	19	0.22
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	1	0.22
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	5	0.22
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	6	0.22
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	10	0.22
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	11	0.22
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	13	0.22
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	15	0.22
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	16	0.22
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	17	0.22
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	9	0.22
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	14	0.22
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	15	0.22
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	19	0.22
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	11	0.22
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	11	0.22
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	12	0.22
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	17	0.22
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD13	13	0.22
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	5	0.22
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	8	0.22
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	18	0.22
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	13	0.22
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	9	0.22
(1,1413)	1:129:A:ASP:H	1:125:A:ILE:HG22	7	0.22
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD13	1	0.22
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	15	0.22
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	17	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	6	0.22
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	5	0.22
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	3	0.22
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	3	0.22
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	3	0.22
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	9	0.22
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	9	0.22
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	15	0.22
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	15	0.22
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	20	0.22
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	20	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	1	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	1	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	1	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	2	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	2	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	2	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	11	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	11	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	11	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	12	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	12	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	12	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	15	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	15	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	15	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	17	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	17	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	17	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	18	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	18	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	18	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	20	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	20	0.22
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	20	0.22
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	13	0.22
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	13	0.22
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	13	0.22
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	17	0.22
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	17	0.22
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	17	0.22
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	4	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	3	0.22
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	5	0.22
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	10	0.22
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	18	0.22
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	3	0.22
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	15	0.22
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	12	0.22
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	12	0.22
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	12	0.22
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	14	0.22
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	14	0.22
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	14	0.22
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD11	19	0.22
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD12	19	0.22
(1,703)	1:64:A:ASP:H	1:63:A:ILE:HD13	19	0.22
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	15	0.22
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	16	0.22
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	1	0.22
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	13	0.22
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	4	0.22
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	4	0.22
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	4	0.22
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	10	0.22
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	10	0.22
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	10	0.22
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	19	0.22
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	19	0.22
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	19	0.22
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	12	0.22
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	12	0.22
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	12	0.22
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	14	0.22
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	14	0.22
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	14	0.22
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	18	0.22
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	18	0.22
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	18	0.22
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	13	0.22
(1,463)	1:42:A:ASN:H	1:42:A:ASN:HD22	5	0.22
(1,463)	1:42:A:ASN:H	1:42:A:ASN:HD22	19	0.22
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	4	0.22
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	1	0.22
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	7	0.22
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	9	0.22
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	10	0.22
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	11	0.22
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	17	0.22
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	20	0.22
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	3	0.22
(1,117)	1:12:A:PHE:H	1:11:A:GLU:HB2	13	0.22
(1,58)	1:8:A:GLN:H	1:9:A:ILE:HG12	7	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	1	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	1	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	2	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	2	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	8	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	8	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	13	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	13	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	15	0.22
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	15	0.22
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	12	0.22
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	4	0.21
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	4	0.21
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	4	0.21
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	7	0.21
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	7	0.21
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	7	0.21
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	15	0.21
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	15	0.21
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	15	0.21
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	3	0.21
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	3	0.21
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	3	0.21
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	3	0.21
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	3	0.21
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	3	0.21
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	10	0.21
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	10	0.21
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	10	0.21
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	10	0.21
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	10	0.21
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	16	0.21
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	16	0.21
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	16	0.21
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	16	0.21
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	16	0.21
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	16	0.21
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	11	0.21
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	11	0.21
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	11	0.21
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	11	0.21
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	11	0.21
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	11	0.21
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	16	0.21
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	16	0.21
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	16	0.21
(1,3379)	2:208:B:LEU:HD21	2:208:B:LEU:HA	4	0.21
(1,3379)	2:208:B:LEU:HD22	2:208:B:LEU:HA	4	0.21
(1,3379)	2:208:B:LEU:HD23	2:208:B:LEU:HA	4	0.21
(1,3367)	2:205:B:MET:HE2	1:68:A:PHE:HE1	19	0.21
(1,3365)	2:205:B:MET:HB2	2:205:B:MET:HA	13	0.21
(1,3365)	2:205:B:MET:HB2	2:205:B:MET:HA	17	0.21
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	11	0.21
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	6	0.21
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	7	0.21
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	7	0.21
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	7	0.21
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	17	0.21
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	17	0.21
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	17	0.21
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	14	0.21
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	14	0.21
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	14	0.21
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	1	0.21
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	4	0.21
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	6	0.21
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE1	8	0.21
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	9	0.21
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB3	14	0.21
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB2	7	0.21
(1,3249)	2:214:B:GLY:H	2:213:B:GLU:HB3	7	0.21
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	12	0.21
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	12	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	12	0.21
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	12	0.21
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	10	0.21
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	10	0.21
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	2	0.21
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	2	0.21
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	7	0.21
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	7	0.21
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	7	0.21
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	19	0.21
(1,3096)	1:144:A:MET:HG3	1:128:A:ALA:HB1	15	0.21
(1,3096)	1:144:A:MET:HG3	1:128:A:ALA:HB2	15	0.21
(1,3096)	1:144:A:MET:HG3	1:128:A:ALA:HB3	15	0.21
(1,3063)	1:76:A:MET:HG2	1:76:A:MET:HA	18	0.21
(1,3055)	1:72:A:MET:HG3	1:72:A:MET:H	17	0.21
(1,3024)	1:146:A:THR:HG21	1:142:A:VAL:HG11	11	0.21
(1,3024)	1:146:A:THR:HG21	1:142:A:VAL:HG12	11	0.21
(1,3024)	1:146:A:THR:HG21	1:142:A:VAL:HG13	11	0.21
(1,3024)	1:146:A:THR:HG22	1:142:A:VAL:HG11	11	0.21
(1,3024)	1:146:A:THR:HG22	1:142:A:VAL:HG12	11	0.21
(1,3024)	1:146:A:THR:HG22	1:142:A:VAL:HG13	11	0.21
(1,3024)	1:146:A:THR:HG23	1:142:A:VAL:HG11	11	0.21
(1,3024)	1:146:A:THR:HG23	1:142:A:VAL:HG12	11	0.21
(1,3024)	1:146:A:THR:HG23	1:142:A:VAL:HG13	11	0.21
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	6	0.21
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	6	0.21
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	6	0.21
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	6	0.21
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	6	0.21
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	6	0.21
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	14	0.21
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	14	0.21
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	14	0.21
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	14	0.21
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	14	0.21
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	14	0.21
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG11	1	0.21
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG12	1	0.21
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG13	1	0.21
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG11	1	0.21
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG12	1	0.21
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG13	1	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG11	1	0.21
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG12	1	0.21
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG13	1	0.21
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG11	2	0.21
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG12	2	0.21
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG13	2	0.21
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG11	2	0.21
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG12	2	0.21
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG13	2	0.21
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG11	2	0.21
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG12	2	0.21
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG13	2	0.21
(1,3008)	1:144:A:MET:HE1	1:128:A:ALA:HA	4	0.21
(1,3008)	1:144:A:MET:HE2	1:128:A:ALA:HA	4	0.21
(1,3008)	1:144:A:MET:HE3	1:128:A:ALA:HA	4	0.21
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	2	0.21
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	2	0.21
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	2	0.21
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	7	0.21
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	7	0.21
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	7	0.21
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	9	0.21
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	9	0.21
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	9	0.21
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	12	0.21
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	12	0.21
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	12	0.21
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	14	0.21
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	14	0.21
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	14	0.21
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	1	0.21
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	1	0.21
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	1	0.21
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	3	0.21
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	3	0.21
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	3	0.21
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	17	0.21
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	17	0.21
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	17	0.21
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	5	0.21
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	5	0.21
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	5	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	5	0.21
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	5	0.21
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	5	0.21
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	7	0.21
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	7	0.21
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	7	0.21
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	12	0.21
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	12	0.21
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	12	0.21
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	14	0.21
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	14	0.21
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	14	0.21
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	11	0.21
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	11	0.21
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	11	0.21
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	15	0.21
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	15	0.21
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	15	0.21
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	13	0.21
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	13	0.21
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	13	0.21
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	1	0.21
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	1	0.21
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	1	0.21
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	3	0.21
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	3	0.21
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	3	0.21
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	4	0.21
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	4	0.21
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	4	0.21
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	15	0.21
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	15	0.21
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	15	0.21
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	6	0.21
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	6	0.21
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	6	0.21
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	6	0.21
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	6	0.21
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	6	0.21
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	6	0.21
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	6	0.21
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	14	0.21
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	14	0.21
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	14	0.21
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	14	0.21
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	14	0.21
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	14	0.21
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	14	0.21
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	14	0.21
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	14	0.21
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	16	0.21
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	16	0.21
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	16	0.21
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	16	0.21
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	16	0.21
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	16	0.21
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	11	0.21
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	11	0.21
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	11	0.21
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	14	0.21
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	14	0.21
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	14	0.21
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	6	0.21
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	6	0.21
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	6	0.21
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	13	0.21
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	13	0.21
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	13	0.21
(1,2916)	1:124:A:MET:HE1	1:124:A:MET:HA	20	0.21
(1,2916)	1:124:A:MET:HE2	1:124:A:MET:HA	20	0.21
(1,2916)	1:124:A:MET:HE3	1:124:A:MET:HA	20	0.21
(1,2915)	1:124:A:MET:HE2	1:116:A:LEU:HD22	7	0.21
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	9	0.21
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	9	0.21
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	9	0.21
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	5	0.21
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	5	0.21
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	5	0.21
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	15	0.21
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	15	0.21
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	15	0.21
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	18	0.21
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	18	0.21
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	9	0.21
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	9	0.21
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	9	0.21
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	15	0.21
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	15	0.21
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	15	0.21
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	6	0.21
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	6	0.21
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	6	0.21
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	17	0.21
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	17	0.21
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	17	0.21
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	20	0.21
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	20	0.21
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	20	0.21
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	11	0.21
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	11	0.21
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	11	0.21
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	17	0.21
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	17	0.21
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	17	0.21
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	19	0.21
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	19	0.21
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	19	0.21
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	20	0.21
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	20	0.21
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	20	0.21
(1,2834)	1:105:A:LEU:HD11	1:124:A:MET:HB2	6	0.21
(1,2834)	1:105:A:LEU:HD12	1:124:A:MET:HB2	6	0.21
(1,2834)	1:105:A:LEU:HD13	1:124:A:MET:HB2	6	0.21
(1,2830)	1:103:A:ALA:HB1	1:104:A:GLU:H	16	0.21
(1,2830)	1:103:A:ALA:HB2	1:104:A:GLU:H	16	0.21
(1,2830)	1:103:A:ALA:HB3	1:104:A:GLU:H	16	0.21
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	18	0.21
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	18	0.21
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	18	0.21
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	18	0.21
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	18	0.21
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	18	0.21
(1,2808)	1:100:A:ILE:HG22	1:104:A:GLU:HB2	1	0.21
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	2	0.21
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	2	0.21
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	6	0.21
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	6	0.21
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	6	0.21
(1,2794)	1:91:A:VAL:HG11	1:92:A:PHE:H	20	0.21
(1,2794)	1:91:A:VAL:HG12	1:92:A:PHE:H	20	0.21
(1,2794)	1:91:A:VAL:HG13	1:92:A:PHE:H	20	0.21
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	1	0.21
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	1	0.21
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	1	0.21
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	3	0.21
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	3	0.21
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	3	0.21
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	4	0.21
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	4	0.21
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	4	0.21
(1,2785)	1:85:A:ILE:HD11	1:146:A:THR:HA	4	0.21
(1,2785)	1:85:A:ILE:HD12	1:146:A:THR:HA	4	0.21
(1,2785)	1:85:A:ILE:HD13	1:146:A:THR:HA	4	0.21
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	20	0.21
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	20	0.21
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	20	0.21
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	14	0.21
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	14	0.21
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	14	0.21
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	16	0.21
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	16	0.21
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	16	0.21
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	19	0.21
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	19	0.21
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	19	0.21
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	14	0.21
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	14	0.21
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	14	0.21
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	1	0.21
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	1	0.21
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	1	0.21
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	9	0.21
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	9	0.21
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	9	0.21
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	14	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	14	0.21
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	14	0.21
(1,2749)	1:72:A:MET:HE1	1:72:A:MET:HG3	15	0.21
(1,2749)	1:72:A:MET:HE2	1:72:A:MET:HG3	15	0.21
(1,2749)	1:72:A:MET:HE3	1:72:A:MET:HG3	15	0.21
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	5	0.21
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	5	0.21
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	5	0.21
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	5	0.21
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	5	0.21
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	5	0.21
(1,2726)	1:69:A:LEU:HD11	1:69:A:LEU:HB2	20	0.21
(1,2726)	1:69:A:LEU:HD12	1:69:A:LEU:HB2	20	0.21
(1,2726)	1:69:A:LEU:HD13	1:69:A:LEU:HB2	20	0.21
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	8	0.21
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	8	0.21
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	8	0.21
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	8	0.21
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	8	0.21
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	8	0.21
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	8	0.21
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	8	0.21
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	8	0.21
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	13	0.21
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	13	0.21
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	13	0.21
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	13	0.21
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	13	0.21
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	13	0.21
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	13	0.21
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	13	0.21
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	13	0.21
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG21	17	0.21
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG22	17	0.21
(1,2708)	1:63:A:ILE:HD11	1:63:A:ILE:HG23	17	0.21
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG21	17	0.21
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG22	17	0.21
(1,2708)	1:63:A:ILE:HD12	1:63:A:ILE:HG23	17	0.21
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG21	17	0.21
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG22	17	0.21
(1,2708)	1:63:A:ILE:HD13	1:63:A:ILE:HG23	17	0.21
(1,2707)	1:63:A:ILE:HD13	1:52:A:ILE:H	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2707)	1:63:A:ILE:HD12	1:52:A:ILE:H	17	0.21
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD11	13	0.21
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD12	13	0.21
(1,2702)	1:63:A:ILE:HG21	1:63:A:ILE:HD13	13	0.21
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD11	13	0.21
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD12	13	0.21
(1,2702)	1:63:A:ILE:HG22	1:63:A:ILE:HD13	13	0.21
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD11	13	0.21
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD12	13	0.21
(1,2702)	1:63:A:ILE:HG23	1:63:A:ILE:HD13	13	0.21
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	4	0.21
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	4	0.21
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	4	0.21
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	4	0.21
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	4	0.21
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	4	0.21
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	9	0.21
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	9	0.21
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	9	0.21
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	9	0.21
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	9	0.21
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	9	0.21
(1,2684)	1:62:A:THR:HG21	1:61:A:GLY:HA3	14	0.21
(1,2684)	1:62:A:THR:HG22	1:61:A:GLY:HA3	14	0.21
(1,2684)	1:62:A:THR:HG23	1:61:A:GLY:HA3	14	0.21
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	3	0.21
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	3	0.21
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	3	0.21
(1,2677)	1:55:A:VAL:HG12	1:68:A:PHE:HD1	5	0.21
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	9	0.21
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	9	0.21
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	9	0.21
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	15	0.21
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	15	0.21
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	15	0.21
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	11	0.21
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	11	0.21
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	11	0.21
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	11	0.21
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	11	0.21
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	11	0.21
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	11	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	11	0.21
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	11	0.21
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	14	0.21
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	14	0.21
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	14	0.21
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	14	0.21
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	14	0.21
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	14	0.21
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	14	0.21
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	14	0.21
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	14	0.21
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	20	0.21
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	20	0.21
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	20	0.21
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	3	0.21
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	3	0.21
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	3	0.21
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	19	0.21
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	19	0.21
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	19	0.21
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	4	0.21
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	4	0.21
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	4	0.21
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	15	0.21
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	15	0.21
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	15	0.21
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	18	0.21
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	18	0.21
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	18	0.21
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	6	0.21
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	6	0.21
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	6	0.21
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	9	0.21
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	9	0.21
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	9	0.21
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	1	0.21
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	1	0.21
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	1	0.21
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	11	0.21
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	11	0.21
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	11	0.21
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	17	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	17	0.21
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	17	0.21
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	6	0.21
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	6	0.21
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	6	0.21
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	7	0.21
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	7	0.21
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	7	0.21
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	11	0.21
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	11	0.21
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	11	0.21
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	15	0.21
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	15	0.21
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	15	0.21
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	19	0.21
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	19	0.21
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	19	0.21
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	5	0.21
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	5	0.21
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	5	0.21
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	7	0.21
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	7	0.21
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	7	0.21
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	12	0.21
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	12	0.21
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	12	0.21
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	13	0.21
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	13	0.21
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	13	0.21
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	16	0.21
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	16	0.21
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	16	0.21
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	6	0.21
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	6	0.21
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	6	0.21
(1,2544)	1:28:A:THR:HG21	1:28:A:THR:H	20	0.21
(1,2544)	1:28:A:THR:HG22	1:28:A:THR:H	20	0.21
(1,2544)	1:28:A:THR:HG23	1:28:A:THR:H	20	0.21
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	7	0.21
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	7	0.21
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	7	0.21
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	13	0.21
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	13	0.21
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	16	0.21
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	16	0.21
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	16	0.21
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	2	0.21
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	2	0.21
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	2	0.21
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	10	0.21
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	10	0.21
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	10	0.21
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	12	0.21
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	12	0.21
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	12	0.21
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	13	0.21
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	13	0.21
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	13	0.21
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	14	0.21
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	14	0.21
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	14	0.21
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	9	0.21
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	9	0.21
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	9	0.21
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	9	0.21
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	9	0.21
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	9	0.21
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	9	0.21
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	9	0.21
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	9	0.21
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	9	0.21
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	9	0.21
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	9	0.21
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	12	0.21
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	12	0.21
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	12	0.21
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	12	0.21
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	12	0.21
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	12	0.21
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	9	0.21
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	9	0.21
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	9	0.21
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	10	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	10	0.21
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	10	0.21
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	13	0.21
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	13	0.21
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	13	0.21
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	6	0.21
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	6	0.21
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	6	0.21
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	11	0.21
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	11	0.21
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	11	0.21
(1,2457)	1:4:A:LEU:HD21	1:73:A:ALA:HB1	16	0.21
(1,2457)	1:4:A:LEU:HD21	1:73:A:ALA:HB2	16	0.21
(1,2457)	1:4:A:LEU:HD21	1:73:A:ALA:HB3	16	0.21
(1,2457)	1:4:A:LEU:HD22	1:73:A:ALA:HB1	16	0.21
(1,2457)	1:4:A:LEU:HD22	1:73:A:ALA:HB2	16	0.21
(1,2457)	1:4:A:LEU:HD22	1:73:A:ALA:HB3	16	0.21
(1,2457)	1:4:A:LEU:HD23	1:73:A:ALA:HB1	16	0.21
(1,2457)	1:4:A:LEU:HD23	1:73:A:ALA:HB2	16	0.21
(1,2457)	1:4:A:LEU:HD23	1:73:A:ALA:HB3	16	0.21
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	7	0.21
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	19	0.21
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	14	0.21
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	12	0.21
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	12	0.21
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	12	0.21
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	13	0.21
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	13	0.21
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	13	0.21
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	16	0.21
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	16	0.21
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	16	0.21
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE1	13	0.21
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE2	13	0.21
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE3	13	0.21
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	11	0.21
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	11	0.21
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	18	0.21
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	18	0.21
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	13	0.21
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	14	0.21
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	18	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2221)	1:115:A:LYS:HA	1:115:A:LYS:HB3	10	0.21
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG22	1	0.21
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	16	0.21
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	16	0.21
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	2	0.21
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	9	0.21
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	7	0.21
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	7	0.21
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	7	0.21
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	8	0.21
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	4	0.21
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	3	0.21
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	8	0.21
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	14	0.21
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	3	0.21
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	3	0.21
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	3	0.21
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	7	0.21
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	7	0.21
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	7	0.21
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	1	0.21
(1,2015)	1:53:A:ASN:HA	1:53:A:ASN:HB3	7	0.21
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	4	0.21
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	16	0.21
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	17	0.21
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	1	0.21
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	1	0.21
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	3	0.21
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	3	0.21
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	2	0.21
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	2	0.21
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	3	0.21
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	3	0.21
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	17	0.21
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	17	0.21
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	18	0.21
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	18	0.21
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	8	0.21
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	8	0.21
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	10	0.21
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	10	0.21
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	6	0.21
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	6	0.21
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	11	0.21
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	11	0.21
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	11	0.21
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	19	0.21
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	19	0.21
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	19	0.21
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	1	0.21
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	6	0.21
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	7	0.21
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	11	0.21
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	13	0.21
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	18	0.21
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	20	0.21
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	1	0.21
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	4	0.21
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	18	0.21
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	11	0.21
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	2	0.21
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	3	0.21
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	7	0.21
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	8	0.21
(1,1751)	1:97:A:ASN:HD22	1:97:A:ASN:HB3	9	0.21
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	4	0.21
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	5	0.21
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	6	0.21
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	8	0.21
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	12	0.21
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	18	0.21
(1,1745)	1:86:A:ARG:HE	1:86:A:ARG:HG2	12	0.21
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	7	0.21
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	7	0.21
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	13	0.21
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	5	0.21
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	11	0.21
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG21	2	0.21
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG23	15	0.21
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	9	0.21
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	11	0.21
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	8	0.21
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	6	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	6	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	6	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	8	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	8	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	8	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	12	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	12	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	12	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	16	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	16	0.21
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	16	0.21
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	15	0.21
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	10	0.21
(1,1390)	1:127:A:GLU:H	1:127:A:GLU:HG2	1	0.21
(1,1390)	1:127:A:GLU:H	1:127:A:GLU:HG2	11	0.21
(1,1390)	1:127:A:GLU:H	1:127:A:GLU:HG2	14	0.21
(1,1380)	1:126:A:ARG:H	1:126:A:ARG:HD2	11	0.21
(1,1380)	1:126:A:ARG:H	1:126:A:ARG:HD3	11	0.21
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD12	2	0.21
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	15	0.21
(1,1058)	1:99:A:TYR:H	1:97:A:ASN:HD22	11	0.21
(1,1012)	1:94:A:LYS:H	1:104:A:GLU:HB2	8	0.21
(1,1012)	1:94:A:LYS:H	1:104:A:GLU:HB2	11	0.21
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	4	0.21
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	4	0.21
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	4	0.21
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	14	0.21
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	14	0.21
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	8	0.21
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	8	0.21
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	8	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	2	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	2	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	2	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	8	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	8	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	8	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	11	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	11	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	11	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	15	0.21
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	15	0.21
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	12	0.21
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	19	0.21
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	8	0.21
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	15	0.21
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	19	0.21
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	20	0.21
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	12	0.21
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	15	0.21
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	1	0.21
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	3	0.21
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	8	0.21
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	9	0.21
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	12	0.21
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	13	0.21
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	14	0.21
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	17	0.21
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	18	0.21
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	7	0.21
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	8	0.21
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	20	0.21
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	2	0.21
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG21	11	0.21
(1,572)	1:53:A:ASN:H	1:53:A:ASN:HB3	6	0.21
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	8	0.21
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	8	0.21
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	8	0.21
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	18	0.21
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	18	0.21
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	18	0.21
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	17	0.21
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	3	0.21
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	10	0.21
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	4	0.21
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	6	0.21
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	20	0.21
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	1	0.21
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	15	0.21
(1,316)	1:28:A:THR:H	1:62:A:THR:HB	19	0.21
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	13	0.21
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	2	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB2	13	0.21
(1,93)	1:11:A:GLU:H	1:11:A:GLU:HG2	10	0.21
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	4	0.21
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	4	0.21
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	12	0.21
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	12	0.21
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	5	0.21
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	7	0.21
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	15	0.21
(1,16)	1:5:A:THR:H	1:4:A:LEU:HB2	19	0.21
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	2	0.2
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	2	0.2
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	2	0.2
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	2	0.2
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	2	0.2
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	2	0.2
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	2	0.2
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	2	0.2
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	2	0.2
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	2	0.2
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	2	0.2
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	2	0.2
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	2	0.2
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	2	0.2
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	2	0.2
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	2	0.2
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	2	0.2
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	2	0.2
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD22	11	0.2
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD23	14	0.2
(1,3406)	1:124:A:MET:HE2	1:121:A:VAL:HG22	7	0.2
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	13	0.2
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	13	0.2
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	13	0.2
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	12	0.2
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	12	0.2
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	12	0.2
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	12	0.2
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	12	0.2
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	12	0.2
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	13	0.2
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	13	0.2
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	13	0.2
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	13	0.2
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	13	0.2
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	17	0.2
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	17	0.2
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	17	0.2
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	17	0.2
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	17	0.2
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	17	0.2
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	19	0.2
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	19	0.2
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	19	0.2
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	19	0.2
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	19	0.2
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	19	0.2
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	4	0.2
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	4	0.2
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	4	0.2
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	10	0.2
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	10	0.2
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	10	0.2
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	15	0.2
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	15	0.2
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	15	0.2
(1,3379)	2:208:B:LEU:HD21	2:208:B:LEU:HA	13	0.2
(1,3379)	2:208:B:LEU:HD22	2:208:B:LEU:HA	13	0.2
(1,3379)	2:208:B:LEU:HD23	2:208:B:LEU:HA	13	0.2
(1,3365)	2:205:B:MET:HB2	2:205:B:MET:HA	4	0.2
(1,3350)	2:205:B:MET:HG2	2:205:B:MET:HA	17	0.2
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	10	0.2
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	10	0.2
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	13	0.2
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	13	0.2
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	13	0.2
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	3	0.2
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	3	0.2
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	10	0.2
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	10	0.2
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	12	0.2
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	12	0.2
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	15	0.2
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	16	0.2
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	16	0.2
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	13	0.2
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	13	0.2
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	14	0.2
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	14	0.2
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	17	0.2
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	17	0.2
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	20	0.2
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	20	0.2
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD11	5	0.2
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD12	5	0.2
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD13	5	0.2
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD21	5	0.2
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD22	5	0.2
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD23	5	0.2
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	5	0.2
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	10	0.2
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	17	0.2
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	2	0.2
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	7	0.2
(1,3199)	2:203:B:VAL:H	2:202:B:ASP:HB3	14	0.2
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	15	0.2
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	15	0.2
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	15	0.2
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	15	0.2
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	2	0.2
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	2	0.2
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	11	0.2
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	11	0.2
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	18	0.2
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	18	0.2
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	20	0.2
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	20	0.2
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	12	0.2
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	8	0.2
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	8	0.2
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	8	0.2
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	8	0.2
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	8	0.2
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	8	0.2
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	5	0.2
(1,3065)	1:76:A:MET:HG2	1:73:A:ALA:HA	3	0.2
(1,3065)	1:76:A:MET:HG2	1:73:A:ALA:HA	14	0.2
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	5	0.2
(1,3030)	1:36:A:MET:HG2	1:36:A:MET:HA	16	0.2
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	1	0.2
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	1	0.2
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	1	0.2
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	1	0.2
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	1	0.2
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	1	0.2
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	16	0.2
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	16	0.2
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	16	0.2
(1,3007)	1:144:A:MET:HE1	1:144:A:MET:HG2	19	0.2
(1,3007)	1:144:A:MET:HE2	1:144:A:MET:HG2	19	0.2
(1,3007)	1:144:A:MET:HE3	1:144:A:MET:HG2	19	0.2
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	1	0.2
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	1	0.2
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	1	0.2
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	5	0.2
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	5	0.2
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	5	0.2
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	6	0.2
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	6	0.2
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	6	0.2
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	8	0.2
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	8	0.2
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	8	0.2
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	20	0.2
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	20	0.2
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	20	0.2
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	6	0.2
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	6	0.2
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	6	0.2
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	6	0.2
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	6	0.2
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	6	0.2
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	12	0.2
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	12	0.2
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	12	0.2
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	12	0.2
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	12	0.2
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	1	0.2
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	1	0.2
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	1	0.2
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	1	0.2
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	1	0.2
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	1	0.2
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	1	0.2
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	1	0.2
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	1	0.2
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	17	0.2
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	17	0.2
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	17	0.2
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	7	0.2
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	7	0.2
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	7	0.2
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	12	0.2
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	12	0.2
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	12	0.2
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	14	0.2
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	14	0.2
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	14	0.2
(1,2954)	1:130:A:ILE:HG21	1:130:A:ILE:HG13	4	0.2
(1,2954)	1:130:A:ILE:HG22	1:130:A:ILE:HG13	4	0.2
(1,2954)	1:130:A:ILE:HG23	1:130:A:ILE:HG13	4	0.2
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	10	0.2
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	10	0.2
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	10	0.2
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	8	0.2
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	8	0.2
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	8	0.2
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	8	0.2
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	8	0.2
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	8	0.2
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	8	0.2
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	8	0.2
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	8	0.2
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	1	0.2
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	1	0.2
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	4	0.2
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	4	0.2
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	4	0.2
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	15	0.2
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	15	0.2
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	15	0.2
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	17	0.2
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	17	0.2
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	17	0.2
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	1	0.2
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	1	0.2
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	1	0.2
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	4	0.2
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	4	0.2
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	4	0.2
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	15	0.2
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	15	0.2
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	15	0.2
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	17	0.2
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	17	0.2
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	17	0.2
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	6	0.2
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	6	0.2
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	6	0.2
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	7	0.2
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	7	0.2
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	7	0.2
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	9	0.2
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	9	0.2
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	9	0.2
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	10	0.2
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	10	0.2
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	10	0.2
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	12	0.2
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	12	0.2
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	12	0.2
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	13	0.2
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	13	0.2
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	13	0.2
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	19	0.2
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	19	0.2
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	19	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	20	0.2
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	20	0.2
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	20	0.2
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	20	0.2
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	20	0.2
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	20	0.2
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	2	0.2
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	2	0.2
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	2	0.2
(1,2919)	1:125:A:ILE:HG21	1:125:A:ILE:HA	9	0.2
(1,2919)	1:125:A:ILE:HG22	1:125:A:ILE:HA	9	0.2
(1,2919)	1:125:A:ILE:HG23	1:125:A:ILE:HA	9	0.2
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	4	0.2
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	4	0.2
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	4	0.2
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	16	0.2
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	16	0.2
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	16	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	2	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	2	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	2	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	4	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	4	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	4	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	5	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	5	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	5	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	7	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	7	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	7	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	8	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	8	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	8	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	9	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	9	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	9	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	10	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	10	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	10	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	11	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	11	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	11	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	12	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	12	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	12	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	13	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	13	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	13	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	14	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	14	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	14	0.2
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	19	0.2
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	19	0.2
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	19	0.2
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	5	0.2
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	5	0.2
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	5	0.2
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	8	0.2
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	8	0.2
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	8	0.2
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	13	0.2
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	13	0.2
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	13	0.2
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	18	0.2
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	18	0.2
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	18	0.2
(1,2836)	1:105:A:LEU:HD11	1:105:A:LEU:HA	9	0.2
(1,2836)	1:105:A:LEU:HD12	1:105:A:LEU:HA	9	0.2
(1,2836)	1:105:A:LEU:HD13	1:105:A:LEU:HA	9	0.2
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	6	0.2
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	6	0.2
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	6	0.2
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	6	0.2
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	6	0.2
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	6	0.2
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	20	0.2
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	20	0.2
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	20	0.2
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	20	0.2
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	20	0.2
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	20	0.2
(1,2815)	1:100:A:ILE:HD11	1:100:A:ILE:HA	12	0.2
(1,2815)	1:100:A:ILE:HD12	1:100:A:ILE:HA	12	0.2
(1,2815)	1:100:A:ILE:HD13	1:100:A:ILE:HA	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	8	0.2
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	8	0.2
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	8	0.2
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	8	0.2
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	8	0.2
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	8	0.2
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	8	0.2
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	8	0.2
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	8	0.2
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	2	0.2
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	2	0.2
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	2	0.2
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	4	0.2
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	4	0.2
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	4	0.2
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	7	0.2
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	7	0.2
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	7	0.2
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	9	0.2
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	9	0.2
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	9	0.2
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	19	0.2
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	19	0.2
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	19	0.2
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	13	0.2
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	13	0.2
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	13	0.2
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	1	0.2
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	1	0.2
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	1	0.2
(1,2766)	1:79:A:THR:HG21	1:80:A:ASP:H	4	0.2
(1,2766)	1:79:A:THR:HG22	1:80:A:ASP:H	4	0.2
(1,2766)	1:79:A:THR:HG23	1:80:A:ASP:H	4	0.2
(1,2751)	1:72:A:MET:HE1	1:72:A:MET:HA	16	0.2
(1,2751)	1:72:A:MET:HE2	1:72:A:MET:HA	16	0.2
(1,2751)	1:72:A:MET:HE3	1:72:A:MET:HA	16	0.2
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	12	0.2
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	12	0.2
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	12	0.2
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	15	0.2
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	15	0.2
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	15	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	19	0.2
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	19	0.2
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	19	0.2
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	17	0.2
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	17	0.2
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	17	0.2
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	17	0.2
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	17	0.2
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	17	0.2
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	18	0.2
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	18	0.2
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	18	0.2
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	18	0.2
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	18	0.2
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	18	0.2
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	20	0.2
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	20	0.2
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	20	0.2
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	20	0.2
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	20	0.2
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	20	0.2
(1,2694)	1:63:A:ILE:HG21	1:68:A:PHE:HB2	1	0.2
(1,2694)	1:63:A:ILE:HG22	1:68:A:PHE:HB2	1	0.2
(1,2694)	1:63:A:ILE:HG23	1:68:A:PHE:HB2	1	0.2
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	2	0.2
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	2	0.2
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	2	0.2
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	4	0.2
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	4	0.2
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	4	0.2
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	10	0.2
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	10	0.2
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	10	0.2
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	1	0.2
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	1	0.2
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	1	0.2
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	1	0.2
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	1	0.2
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	1	0.2
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	1	0.2
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	1	0.2
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	9	0.2
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	9	0.2
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	9	0.2
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	9	0.2
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	9	0.2
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	9	0.2
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	9	0.2
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	9	0.2
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	9	0.2
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	4	0.2
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	4	0.2
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	4	0.2
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	3	0.2
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	3	0.2
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	3	0.2
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	20	0.2
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	20	0.2
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	20	0.2
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	16	0.2
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	16	0.2
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	16	0.2
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	18	0.2
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	18	0.2
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	18	0.2
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	1	0.2
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	1	0.2
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	1	0.2
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	1	0.2
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	1	0.2
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	1	0.2
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	6	0.2
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	6	0.2
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	6	0.2
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	16	0.2
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	16	0.2
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	16	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	2	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	2	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	2	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	3	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	3	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	4	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	4	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	4	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	5	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	5	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	5	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	6	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	6	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	6	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	8	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	8	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	8	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	9	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	9	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	9	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	12	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	12	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	12	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	15	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	15	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	15	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	16	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	16	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	16	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	18	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	18	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	18	0.2
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	20	0.2
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	20	0.2
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	20	0.2
(1,2600)	1:39:A:LEU:HD11	1:39:A:LEU:HA	20	0.2
(1,2600)	1:39:A:LEU:HD12	1:39:A:LEU:HA	20	0.2
(1,2600)	1:39:A:LEU:HD13	1:39:A:LEU:HA	20	0.2
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	5	0.2
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	5	0.2
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	5	0.2
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	2	0.2
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	2	0.2
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	2	0.2
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	3	0.2
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	3	0.2
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	4	0.2
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	4	0.2
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	4	0.2
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	10	0.2
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	10	0.2
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	10	0.2
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	14	0.2
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	14	0.2
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	14	0.2
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	15	0.2
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	15	0.2
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	15	0.2
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	17	0.2
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	17	0.2
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	17	0.2
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	20	0.2
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	20	0.2
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	20	0.2
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	20	0.2
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	20	0.2
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	20	0.2
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	2	0.2
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	2	0.2
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	2	0.2
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	15	0.2
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	15	0.2
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	15	0.2
(1,2511)	1:18:A:LEU:HD21	1:19:A:PHE:H	16	0.2
(1,2511)	1:18:A:LEU:HD22	1:19:A:PHE:H	16	0.2
(1,2511)	1:18:A:LEU:HD23	1:19:A:PHE:H	16	0.2
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	18	0.2
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	18	0.2
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	18	0.2
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	1	0.2
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	1	0.2
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	1	0.2
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	2	0.2
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	2	0.2
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	2	0.2
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	13	0.2
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	13	0.2
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	2	0.2
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	2	0.2
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	2	0.2
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD11	9	0.2
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD12	9	0.2
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD13	9	0.2
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD21	9	0.2
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD22	9	0.2
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD23	9	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	3	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	3	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	3	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	3	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	3	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	3	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	11	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	11	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	11	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	11	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	11	0.2
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	11	0.2
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	3	0.2
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	6	0.2
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	8	0.2
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	11	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	1	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	2	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	3	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	5	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	10	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	12	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	13	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	15	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	16	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	18	0.2
(1,2349)	1:148:A:LYS:HA	1:148:A:LYS:HB3	20	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	4	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	4	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	4	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	5	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	5	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	5	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	6	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	6	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	6	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	14	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	14	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	14	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	15	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	15	0.2
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	15	0.2
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	3	0.2
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	3	0.2
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	6	0.2
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	6	0.2
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	19	0.2
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	19	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG2	1	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG3	1	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG2	4	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG3	4	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG2	8	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG3	8	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG2	16	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG3	16	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG2	17	0.2
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG3	17	0.2
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	2	0.2
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	7	0.2
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	20	0.2
(1,2246)	1:121:A:VAL:HA	1:124:A:MET:HB2	19	0.2
(1,2221)	1:115:A:LYS:HA	1:115:A:LYS:HB3	13	0.2
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	9	0.2
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	9	0.2
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	18	0.2
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	2	0.2
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	4	0.2
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	9	0.2
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	10	0.2
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	12	0.2
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB2	8	0.2
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB3	8	0.2
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	12	0.2
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	12	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	20	0.2
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	6	0.2
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	6	0.2
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	6	0.2
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG21	18	0.2
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG22	18	0.2
(1,2044)	1:68:A:PHE:HA	1:55:A:VAL:HG23	18	0.2
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	19	0.2
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	8	0.2
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	18	0.2
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	6	0.2
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	6	0.2
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	5	0.2
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	5	0.2
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	5	0.2
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	2	0.2
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	3	0.2
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	4	0.2
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	8	0.2
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	10	0.2
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	14	0.2
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	16	0.2
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	17	0.2
(1,1783)	1:126:A:ARG:HE	1:123:A:GLU:HG2	4	0.2
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	1	0.2
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	4	0.2
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	18	0.2
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	5	0.2
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	19	0.2
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	2	0.2
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	3	0.2
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	11	0.2
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	13	0.2
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	20	0.2
(1,1745)	1:86:A:ARG:HE	1:86:A:ARG:HG2	15	0.2
(1,1745)	1:86:A:ARG:HE	1:86:A:ARG:HG2	17	0.2
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG2	7	0.2
(1,1731)	1:53:A:ASN:HD21	1:49:A:GLN:HG3	7	0.2
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	14	0.2
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	14	0.2
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	20	0.2
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	8	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1665)	1:147:A:ALA:H	1:143:A:GLN:HA	18	0.2
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	10	0.2
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	4	0.2
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	12	0.2
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	7	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	3	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	3	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	3	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	5	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	5	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	5	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	14	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	14	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	14	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	18	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	18	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	18	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	20	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	20	0.2
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	20	0.2
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	12	0.2
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	16	0.2
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	13	0.2
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	15	0.2
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG22	8	0.2
(1,1291)	1:118:A:ASP:H	1:118:A:ASP:HB2	14	0.2
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD12	5	0.2
(1,1198)	1:109:A:MET:H	1:105:A:LEU:HD21	5	0.2
(1,1012)	1:94:A:LYS:H	1:104:A:GLU:HB2	9	0.2
(1,1011)	1:94:A:LYS:H	1:94:A:LYS:HG2	5	0.2
(1,1011)	1:94:A:LYS:H	1:94:A:LYS:HG3	5	0.2
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	2	0.2
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	2	0.2
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	2	0.2
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	18	0.2
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	18	0.2
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	18	0.2
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	1	0.2
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	1	0.2
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	3	0.2
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	3	0.2
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	3	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	16	0.2
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	16	0.2
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	16	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	5	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	5	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	5	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	6	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	6	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	6	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	7	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	7	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	7	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	18	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	18	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	18	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	19	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	19	0.2
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	19	0.2
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	5	0.2
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	2	0.2
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	10	0.2
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	16	0.2
(1,907)	1:85:A:ILE:H	1:84:A:GLU:HB2	11	0.2
(1,858)	1:77:A:LYS:H	1:78:A:ASP:H	13	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	7	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	7	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	7	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	7	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	7	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	7	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	8	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	8	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	8	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	8	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	8	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	8	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	20	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	20	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	20	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	20	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	20	0.2
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	20	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	5	0.2
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	2	0.2
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	4	0.2
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	10	0.2
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	11	0.2
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	15	0.2
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	19	0.2
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	20	0.2
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	5	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	4	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	4	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	4	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	6	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	6	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	6	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	7	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	7	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	7	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	17	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	17	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	17	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	18	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	18	0.2
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	18	0.2
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	20	0.2
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	17	0.2
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG21	16	0.2
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG22	16	0.2
(1,490)	1:45:A:GLU:H	1:44:A:THR:HG23	16	0.2
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	15	0.2
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	3	0.2
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	8	0.2
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	13	0.2
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	16	0.2
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	18	0.2
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	19	0.2
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD12	15	0.2
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	1	0.2
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	4	0.2
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	8	0.2
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	13	0.2
(1,339)	1:30:A:LYS:H	1:52:A:ILE:HD13	9	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	3	0.2
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	12	0.2
(1,223)	1:21:A:LYS:H	1:20:A:ASP:H	20	0.2
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	12	0.2
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	5	0.2
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	5	0.2
(1,174)	1:16:A:PHE:H	1:68:A:PHE:HE2	14	0.2
(1,130)	1:13:A:LYS:H	1:12:A:PHE:HD1	20	0.2
(1,72)	1:9:A:ILE:H	1:4:A:LEU:HG	3	0.2
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	4	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	4	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	4	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	4	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	4	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	4	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	4	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	4	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	4	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	4	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	4	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	4	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	4	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	4	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	4	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	4	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	4	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	4	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	14	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	14	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	14	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	14	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	14	0.19
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	14	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	14	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	14	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	14	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	14	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	14	0.19
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	14	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	14	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	14	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	14	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	14	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	14	0.19
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	14	0.19
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD22	13	0.19
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB2	4	0.19
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	19	0.19
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	19	0.19
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	19	0.19
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	4	0.19
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	4	0.19
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	4	0.19
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	4	0.19
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	4	0.19
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	4	0.19
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	6	0.19
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	6	0.19
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	6	0.19
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	6	0.19
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	6	0.19
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	6	0.19
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	7	0.19
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	7	0.19
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	7	0.19
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	7	0.19
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	7	0.19
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	7	0.19
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	9	0.19
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	9	0.19
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	9	0.19
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	9	0.19
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	9	0.19
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	9	0.19
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	15	0.19
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	15	0.19
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	15	0.19
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	15	0.19
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	15	0.19
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	15	0.19
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	20	0.19
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	20	0.19
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	20	0.19
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	20	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	20	0.19
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	20	0.19
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	6	0.19
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	6	0.19
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	6	0.19
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	12	0.19
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	12	0.19
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	12	0.19
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	17	0.19
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	17	0.19
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	17	0.19
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	18	0.19
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	18	0.19
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	18	0.19
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	7	0.19
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	7	0.19
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	7	0.19
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	19	0.19
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	19	0.19
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	19	0.19
(1,3385)	2:208:B:LEU:HB2	2:209:B:SER:H	7	0.19
(1,3385)	2:208:B:LEU:HB3	2:209:B:SER:H	7	0.19
(1,3369)	2:208:B:LEU:HG	2:208:B:LEU:HA	12	0.19
(1,3365)	2:205:B:MET:HB2	2:205:B:MET:HA	6	0.19
(1,3350)	2:205:B:MET:HG2	2:205:B:MET:HA	4	0.19
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	15	0.19
(1,3345)	2:204:B:PHE:HD1	1:19:A:PHE:HE2	17	0.19
(1,3323)	2:201:B:MET:HG2	2:201:B:MET:HA	15	0.19
(1,3323)	2:201:B:MET:HG3	2:201:B:MET:HA	15	0.19
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB3	17	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	1	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	1	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	4	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	4	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	5	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	5	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	6	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	6	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	7	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	7	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	8	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	11	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	11	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	13	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	13	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	14	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	14	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	17	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	17	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	18	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	18	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	19	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	19	0.19
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	20	0.19
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	20	0.19
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	1	0.19
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	1	0.19
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	8	0.19
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	8	0.19
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	9	0.19
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	9	0.19
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	18	0.19
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	18	0.19
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	2	0.19
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	7	0.19
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	12	0.19
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	13	0.19
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	16	0.19
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	7	0.19
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	18	0.19
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB2	4	0.19
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB3	4	0.19
(1,3179)	1:138:A:TYR:HE1	1:85:A:ILE:HG21	19	0.19
(1,3179)	1:138:A:TYR:HE1	1:85:A:ILE:HG22	19	0.19
(1,3179)	1:138:A:TYR:HE1	1:85:A:ILE:HG23	19	0.19
(1,3179)	1:138:A:TYR:HE2	1:85:A:ILE:HG21	19	0.19
(1,3179)	1:138:A:TYR:HE2	1:85:A:ILE:HG22	19	0.19
(1,3179)	1:138:A:TYR:HE2	1:85:A:ILE:HG23	19	0.19
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	16	0.19
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	16	0.19
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	4	0.19
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	4	0.19
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	19	0.19
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	5	0.19
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	5	0.19
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	5	0.19
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	5	0.19
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	5	0.19
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	5	0.19
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	15	0.19
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	15	0.19
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	15	0.19
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	15	0.19
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	15	0.19
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	15	0.19
(1,3103)	1:144:A:MET:HG2	1:144:A:MET:HB2	15	0.19
(1,3103)	1:144:A:MET:HG2	1:144:A:MET:HB3	15	0.19
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	1	0.19
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	4	0.19
(1,3052)	1:72:A:MET:HG3	1:12:A:PHE:HB2	6	0.19
(1,3052)	1:72:A:MET:HG3	1:12:A:PHE:HB3	6	0.19
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	10	0.19
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	10	0.19
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	10	0.19
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	10	0.19
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	10	0.19
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	10	0.19
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	10	0.19
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	10	0.19
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	10	0.19
(1,3024)	1:146:A:THR:HG21	1:142:A:VAL:HG11	10	0.19
(1,3024)	1:146:A:THR:HG21	1:142:A:VAL:HG12	10	0.19
(1,3024)	1:146:A:THR:HG21	1:142:A:VAL:HG13	10	0.19
(1,3024)	1:146:A:THR:HG22	1:142:A:VAL:HG11	10	0.19
(1,3024)	1:146:A:THR:HG22	1:142:A:VAL:HG12	10	0.19
(1,3024)	1:146:A:THR:HG22	1:142:A:VAL:HG13	10	0.19
(1,3024)	1:146:A:THR:HG23	1:142:A:VAL:HG11	10	0.19
(1,3024)	1:146:A:THR:HG23	1:142:A:VAL:HG12	10	0.19
(1,3024)	1:146:A:THR:HG23	1:142:A:VAL:HG13	10	0.19
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	8	0.19
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	8	0.19
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	8	0.19
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	8	0.19
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	8	0.19
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	18	0.19
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	18	0.19
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	18	0.19
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	18	0.19
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	18	0.19
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	18	0.19
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB2	19	0.19
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB3	19	0.19
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB2	19	0.19
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB3	19	0.19
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB2	19	0.19
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB3	19	0.19
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	3	0.19
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	3	0.19
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	3	0.19
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	17	0.19
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	17	0.19
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	17	0.19
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	7	0.19
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	7	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	7	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	7	0.19
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	7	0.19
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	7	0.19
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	9	0.19
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	9	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	9	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	9	0.19
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	9	0.19
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	9	0.19
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	14	0.19
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	14	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	14	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	14	0.19
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	14	0.19
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	14	0.19
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	15	0.19
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	15	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	15	0.19
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	15	0.19
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	15	0.19
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	13	0.19
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	13	0.19
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	13	0.19
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	17	0.19
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	17	0.19
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	17	0.19
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	9	0.19
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	9	0.19
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	9	0.19
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	13	0.19
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	13	0.19
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	13	0.19
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	7	0.19
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	7	0.19
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	7	0.19
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	10	0.19
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	10	0.19
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	10	0.19
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	13	0.19
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	13	0.19
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	13	0.19
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	2	0.19
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	2	0.19
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	2	0.19
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	2	0.19
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	2	0.19
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	2	0.19
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	2	0.19
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	2	0.19
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	2	0.19
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	3	0.19
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	3	0.19
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	3	0.19
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	5	0.19
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	5	0.19
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	5	0.19
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	8	0.19
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	8	0.19
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	8	0.19
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	3	0.19
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	3	0.19
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	5	0.19
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	5	0.19
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	5	0.19
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	8	0.19
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	8	0.19
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	8	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	1	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	1	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	1	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	2	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	2	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	2	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	3	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	3	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	3	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	4	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	4	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	4	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	5	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	5	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	5	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	8	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	8	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	8	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	15	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	15	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	15	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	16	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	16	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	16	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	17	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	17	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	17	0.19
(1,2929)	1:125:A:ILE:HD11	1:125:A:ILE:HB	18	0.19
(1,2929)	1:125:A:ILE:HD12	1:125:A:ILE:HB	18	0.19
(1,2929)	1:125:A:ILE:HD13	1:125:A:ILE:HB	18	0.19
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	12	0.19
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	12	0.19
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	12	0.19
(1,2916)	1:124:A:MET:HE1	1:124:A:MET:HA	2	0.19
(1,2916)	1:124:A:MET:HE2	1:124:A:MET:HA	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:124:A:MET:HE3	1:124:A:MET:HA	2	0.19
(1,2916)	1:124:A:MET:HE1	1:124:A:MET:HA	8	0.19
(1,2916)	1:124:A:MET:HE2	1:124:A:MET:HA	8	0.19
(1,2916)	1:124:A:MET:HE3	1:124:A:MET:HA	8	0.19
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	18	0.19
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	18	0.19
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	18	0.19
(1,2908)	1:121:A:VAL:HG11	1:122:A:ASP:HA	20	0.19
(1,2908)	1:121:A:VAL:HG12	1:122:A:ASP:HA	20	0.19
(1,2908)	1:121:A:VAL:HG13	1:122:A:ASP:HA	20	0.19
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	1	0.19
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	1	0.19
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	1	0.19
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	3	0.19
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	3	0.19
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	3	0.19
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	17	0.19
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	17	0.19
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	17	0.19
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	17	0.19
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	17	0.19
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	17	0.19
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	1	0.19
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	1	0.19
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	1	0.19
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	3	0.19
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	3	0.19
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	3	0.19
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	5	0.19
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	5	0.19
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	5	0.19
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	9	0.19
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	9	0.19
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	9	0.19
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	12	0.19
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	12	0.19
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	12	0.19
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	16	0.19
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	16	0.19
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	16	0.19
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	19	0.19
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	19	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	19	0.19
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	13	0.19
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	13	0.19
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	13	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	1	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	1	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	1	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	1	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	1	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	1	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	1	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	1	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	1	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	4	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	4	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	4	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	4	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	4	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	4	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	4	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	4	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	4	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	9	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	9	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	9	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	9	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	9	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	9	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	9	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	9	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	9	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	16	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	16	0.19
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	16	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	16	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	16	0.19
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	16	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	16	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	16	0.19
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	16	0.19
(1,2834)	1:105:A:LEU:HD11	1:124:A:MET:HB2	13	0.19
(1,2834)	1:105:A:LEU:HD12	1:124:A:MET:HB2	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2834)	1:105:A:LEU:HD13	1:124:A:MET:HB2	13	0.19
(1,2831)	1:103:A:ALA:HB1	1:101:A:SER:HB3	9	0.19
(1,2831)	1:103:A:ALA:HB2	1:101:A:SER:HB3	9	0.19
(1,2831)	1:103:A:ALA:HB3	1:101:A:SER:HB3	9	0.19
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD1	13	0.19
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD2	13	0.19
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD1	13	0.19
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD2	13	0.19
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD1	13	0.19
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD2	13	0.19
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	8	0.19
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	8	0.19
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	8	0.19
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	8	0.19
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	8	0.19
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	8	0.19
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	14	0.19
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	14	0.19
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	14	0.19
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	14	0.19
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	14	0.19
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	14	0.19
(1,2806)	1:100:A:ILE:HG21	1:92:A:PHE:HE1	7	0.19
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	15	0.19
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	15	0.19
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	15	0.19
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	2	0.19
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	2	0.19
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	2	0.19
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	2	0.19
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	2	0.19
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	2	0.19
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	2	0.19
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	2	0.19
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	2	0.19
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	18	0.19
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	18	0.19
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	18	0.19
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	17	0.19
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	17	0.19
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	17	0.19
(1,2785)	1:85:A:ILE:HD11	1:146:A:THR:HA	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2785)	1:85:A:ILE:HD12	1:146:A:THR:HA	16	0.19
(1,2785)	1:85:A:ILE:HD13	1:146:A:THR:HA	16	0.19
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	2	0.19
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	2	0.19
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	2	0.19
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	4	0.19
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	4	0.19
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	4	0.19
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	19	0.19
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	19	0.19
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	19	0.19
(1,2764)	1:76:A:MET:HE1	1:76:A:MET:HA	20	0.19
(1,2764)	1:76:A:MET:HE2	1:76:A:MET:HA	20	0.19
(1,2764)	1:76:A:MET:HE3	1:76:A:MET:HA	20	0.19
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	12	0.19
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	12	0.19
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	12	0.19
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	12	0.19
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	12	0.19
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	12	0.19
(1,2734)	1:70:A:THR:HG21	1:74:A:ARG:HD2	17	0.19
(1,2734)	1:70:A:THR:HG21	1:74:A:ARG:HD3	17	0.19
(1,2734)	1:70:A:THR:HG22	1:74:A:ARG:HD2	17	0.19
(1,2734)	1:70:A:THR:HG22	1:74:A:ARG:HD3	17	0.19
(1,2734)	1:70:A:THR:HG23	1:74:A:ARG:HD2	17	0.19
(1,2734)	1:70:A:THR:HG23	1:74:A:ARG:HD3	17	0.19
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	3	0.19
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	3	0.19
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	3	0.19
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	12	0.19
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	12	0.19
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	12	0.19
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	4	0.19
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	4	0.19
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	4	0.19
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	7	0.19
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	7	0.19
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	7	0.19
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	18	0.19
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	18	0.19
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	18	0.19
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	15	0.19
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	15	0.19
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	3	0.19
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	3	0.19
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	3	0.19
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	14	0.19
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	14	0.19
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	14	0.19
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	4	0.19
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	4	0.19
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	4	0.19
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	4	0.19
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	4	0.19
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	4	0.19
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	4	0.19
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	4	0.19
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	4	0.19
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	8	0.19
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	8	0.19
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	8	0.19
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	14	0.19
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	14	0.19
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	14	0.19
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	1	0.19
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	1	0.19
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	1	0.19
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	13	0.19
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	13	0.19
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	13	0.19
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	17	0.19
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	17	0.19
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	17	0.19
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	16	0.19
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	16	0.19
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	16	0.19
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	19	0.19
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	19	0.19
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	19	0.19
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	20	0.19
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	20	0.19
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	20	0.19
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	8	0.19
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	8	0.19
(1,2633)	1:51:A:MET:HE1	1:51:A:MET:H	11	0.19
(1,2633)	1:51:A:MET:HE2	1:51:A:MET:H	11	0.19
(1,2633)	1:51:A:MET:HE3	1:51:A:MET:H	11	0.19
(1,2629)	1:51:A:MET:HE1	1:51:A:MET:HB3	5	0.19
(1,2629)	1:51:A:MET:HE2	1:51:A:MET:HB3	5	0.19
(1,2629)	1:51:A:MET:HE3	1:51:A:MET:HB3	5	0.19
(1,2629)	1:51:A:MET:HE1	1:51:A:MET:HB3	7	0.19
(1,2629)	1:51:A:MET:HE2	1:51:A:MET:HB3	7	0.19
(1,2629)	1:51:A:MET:HE3	1:51:A:MET:HB3	7	0.19
(1,2629)	1:51:A:MET:HE1	1:51:A:MET:HB3	10	0.19
(1,2629)	1:51:A:MET:HE2	1:51:A:MET:HB3	10	0.19
(1,2629)	1:51:A:MET:HE3	1:51:A:MET:HB3	10	0.19
(1,2629)	1:51:A:MET:HE1	1:51:A:MET:HB3	15	0.19
(1,2629)	1:51:A:MET:HE2	1:51:A:MET:HB3	15	0.19
(1,2629)	1:51:A:MET:HE3	1:51:A:MET:HB3	15	0.19
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	8	0.19
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	8	0.19
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	8	0.19
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	13	0.19
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	13	0.19
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	13	0.19
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	3	0.19
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	3	0.19
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	3	0.19
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	8	0.19
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	8	0.19
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	8	0.19
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	10	0.19
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	10	0.19
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	10	0.19
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	14	0.19
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	14	0.19
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	14	0.19
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	20	0.19
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	20	0.19
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	20	0.19
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	1	0.19
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	1	0.19
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	1	0.19
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	13	0.19
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	13	0.19
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	19	0.19
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	19	0.19
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	19	0.19
(1,2611)	1:48:A:LEU:HD11	1:33:A:GLY:HA2	1	0.19
(1,2611)	1:48:A:LEU:HD12	1:33:A:GLY:HA2	1	0.19
(1,2611)	1:48:A:LEU:HD13	1:33:A:GLY:HA2	1	0.19
(1,2611)	1:48:A:LEU:HD11	1:33:A:GLY:HA2	9	0.19
(1,2611)	1:48:A:LEU:HD12	1:33:A:GLY:HA2	9	0.19
(1,2611)	1:48:A:LEU:HD13	1:33:A:GLY:HA2	9	0.19
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	7	0.19
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	7	0.19
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	7	0.19
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	10	0.19
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	10	0.19
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	10	0.19
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	13	0.19
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	13	0.19
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	13	0.19
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	14	0.19
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	14	0.19
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	14	0.19
(1,2610)	1:46:A:ALA:HB1	1:47:A:GLU:H	19	0.19
(1,2610)	1:46:A:ALA:HB2	1:47:A:GLU:H	19	0.19
(1,2610)	1:46:A:ALA:HB3	1:47:A:GLU:H	19	0.19
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	16	0.19
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	16	0.19
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	16	0.19
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	16	0.19
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	16	0.19
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	16	0.19
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	19	0.19
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	19	0.19
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	19	0.19
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	19	0.19
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	19	0.19
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	19	0.19
(1,2594)	1:36:A:MET:HE1	1:36:A:MET:HG3	17	0.19
(1,2594)	1:36:A:MET:HE2	1:36:A:MET:HG3	17	0.19
(1,2594)	1:36:A:MET:HE3	1:36:A:MET:HG3	17	0.19
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	6	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	6	0.19
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	6	0.19
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	8	0.19
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	8	0.19
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	8	0.19
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	9	0.19
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	9	0.19
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	9	0.19
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	11	0.19
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	11	0.19
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	11	0.19
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	17	0.19
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	17	0.19
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	17	0.19
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	2	0.19
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	2	0.19
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	2	0.19
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	7	0.19
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	7	0.19
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	7	0.19
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	11	0.19
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	11	0.19
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	11	0.19
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	17	0.19
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	17	0.19
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	17	0.19
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	5	0.19
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	5	0.19
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	5	0.19
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	15	0.19
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	15	0.19
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	15	0.19
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	16	0.19
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	16	0.19
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	16	0.19
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	18	0.19
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	18	0.19
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	18	0.19
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	1	0.19
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	1	0.19
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	1	0.19
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	1	0.19
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	1	0.19
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	1	0.19
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	1	0.19
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	1	0.19
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	15	0.19
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	15	0.19
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	15	0.19
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	16	0.19
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	16	0.19
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	16	0.19
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	10	0.19
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	10	0.19
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	10	0.19
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	14	0.19
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	14	0.19
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	14	0.19
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	14	0.19
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	14	0.19
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	14	0.19
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	1	0.19
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	1	0.19
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	1	0.19
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	3	0.19
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	3	0.19
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	3	0.19
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	17	0.19
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	17	0.19
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	17	0.19
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	17	0.19
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	17	0.19
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	17	0.19
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	20	0.19
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	20	0.19
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	20	0.19
(1,2456)	1:4:A:LEU:HD21	1:8:A:GLN:HE22	5	0.19
(1,2456)	1:4:A:LEU:HD22	1:8:A:GLN:HE22	5	0.19
(1,2456)	1:4:A:LEU:HD23	1:8:A:GLN:HE22	5	0.19
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	15	0.19
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	15	0.19
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	15	0.19
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	15	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	15	0.19
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	15	0.19
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	14	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	1	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	2	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	4	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	5	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	7	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	9	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	10	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	12	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	13	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	14	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	15	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	16	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	17	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	18	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	19	0.19
(1,2369)	1:64:A:ASP:HA	1:64:A:ASP:HB2	20	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	7	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	7	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	7	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	8	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	8	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	8	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	17	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	17	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	17	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	19	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	19	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	19	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	20	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	20	0.19
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	20	0.19
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	8	0.19
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	8	0.19
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	17	0.19
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	17	0.19
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	16	0.19
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG2	3	0.19
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG3	3	0.19
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	5	0.19
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	11	0.19
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	15	0.19
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	2	0.19
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	15	0.19
(1,2194)	1:106:A:ARG:HA	1:109:A:MET:HB3	5	0.19
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG13	15	0.19
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	7	0.19
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	7	0.19
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	9	0.19
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	9	0.19
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	1	0.19
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	11	0.19
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	18	0.19
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB2	5	0.19
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB3	5	0.19
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	7	0.19
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	7	0.19
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	7	0.19
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	9	0.19
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	15	0.19
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	17	0.19
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	19	0.19
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	13	0.19
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	17	0.19
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	8	0.19
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	8	0.19
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	8	0.19
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	6	0.19
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	9	0.19
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	15	0.19
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	17	0.19
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	20	0.19
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	3	0.19
(1,1934)	1:29:A:THR:HA	1:32:A:LEU:HB2	3	0.19
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	11	0.19
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	18	0.19
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	18	0.19
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	4	0.19
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	12	0.19
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	12	0.19
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	14	0.19
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	14	0.19
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	14	0.19
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	17	0.19
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	17	0.19
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	17	0.19
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	8	0.19
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	17	0.19
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	19	0.19
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	8	0.19
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	9	0.19
(1,1748)	1:90:A:ARG:HE	1:90:A:ARG:HA	19	0.19
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	9	0.19
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	9	0.19
(1,1714)	1:49:A:GLN:HE21	1:53:A:ASN:HD21	6	0.19
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB2	19	0.19
(1,1710)	1:49:A:GLN:HE22	1:49:A:GLN:HB3	19	0.19
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	9	0.19
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	6	0.19
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	7	0.19
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	15	0.19
(1,1643)	1:145:A:MET:H	1:142:A:VAL:HG11	19	0.19
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	1	0.19
(1,1562)	1:139:A:GLU:H	1:139:A:GLU:HB2	9	0.19
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	16	0.19
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	16	0.19
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	17	0.19
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	17	0.19
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	13	0.19
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	13	0.19
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	13	0.19
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	15	0.19
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	15	0.19
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	15	0.19
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	9	0.19
(1,1462)	1:132:A:GLY:H	1:133:A:ASP:HB2	12	0.19
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	2	0.19
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	17	0.19
(1,1413)	1:129:A:ASP:H	1:125:A:ILE:HG21	17	0.19
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	17	0.19
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	17	0.19
(1,1291)	1:118:A:ASP:H	1:118:A:ASP:HB2	11	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1181)	1:108:A:VAL:H	1:105:A:LEU:HA	9	0.19
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	14	0.19
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	9	0.19
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	8	0.19
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	9	0.19
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	9	0.19
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	9	0.19
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	15	0.19
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	15	0.19
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	15	0.19
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	2	0.19
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	2	0.19
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	4	0.19
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	4	0.19
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	19	0.19
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	19	0.19
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	3	0.19
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	3	0.19
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	3	0.19
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	2	0.19
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	11	0.19
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	11	0.19
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	8	0.19
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	8	0.19
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	3	0.19
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	17	0.19
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	5	0.19
(1,804)	1:72:A:MET:H	1:72:A:MET:HB3	7	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	2	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	3	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	4	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	5	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	8	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	9	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	10	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	11	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	12	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	13	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	14	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	15	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	16	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	17	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	18	0.19
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	19	0.19
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	1	0.19
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	4	0.19
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	9	0.19
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	10	0.19
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	17	0.19
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	8	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	1	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	1	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	1	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	5	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	5	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	5	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	8	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	8	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	8	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	10	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	10	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	10	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	15	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	15	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	15	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	16	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	16	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	16	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	19	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	19	0.19
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	19	0.19
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	13	0.19
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG22	4	0.19
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG22	18	0.19
(1,572)	1:53:A:ASN:H	1:53:A:ASN:HB3	14	0.19
(1,572)	1:53:A:ASN:H	1:53:A:ASN:HB3	19	0.19
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	5	0.19
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	5	0.19
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	5	0.19
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	12	0.19
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	12	0.19
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	12	0.19
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	8	0.19
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	1	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	2	0.19
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	9	0.19
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	11	0.19
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	12	0.19
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	14	0.19
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	15	0.19
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	17	0.19
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	20	0.19
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	6	0.19
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	10	0.19
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	17	0.19
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	19	0.19
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	6	0.19
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	14	0.19
(1,214)	1:20:A:ASP:H	1:19:A:PHE:HD1	3	0.19
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	2	0.19
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	15	0.19
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	16	0.19
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	18	0.19
(1,185)	1:17:A:SER:H	1:15:A:ALA:HB1	6	0.19
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	12	0.19
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	10	0.19
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	11	0.19
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	17	0.19
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	3	0.19
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	10	0.19
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	11	0.19
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	7	0.18
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	7	0.18
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	7	0.18
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	13	0.18
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	13	0.18
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	13	0.18
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD21	8	0.18
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB2	11	0.18
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	8	0.18
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	8	0.18
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	8	0.18
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	1	0.18
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	1	0.18
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	1	0.18
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	1	0.18
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	1	0.18
(1,3398)	2:216:B:VAL:HG11	2:216:B:VAL:H	14	0.18
(1,3398)	2:216:B:VAL:HG12	2:216:B:VAL:H	14	0.18
(1,3398)	2:216:B:VAL:HG13	2:216:B:VAL:H	14	0.18
(1,3398)	2:216:B:VAL:HG21	2:216:B:VAL:H	14	0.18
(1,3398)	2:216:B:VAL:HG22	2:216:B:VAL:H	14	0.18
(1,3398)	2:216:B:VAL:HG23	2:216:B:VAL:H	14	0.18
(1,3389)	2:215:B:VAL:HB	2:212:B:LYS:HA	18	0.18
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	7	0.18
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	7	0.18
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	7	0.18
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	9	0.18
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	9	0.18
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	9	0.18
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	14	0.18
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	14	0.18
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	14	0.18
(1,3379)	2:208:B:LEU:HD21	2:208:B:LEU:HA	11	0.18
(1,3379)	2:208:B:LEU:HD22	2:208:B:LEU:HA	11	0.18
(1,3379)	2:208:B:LEU:HD23	2:208:B:LEU:HA	11	0.18
(1,3369)	2:208:B:LEU:HG	2:208:B:LEU:HA	10	0.18
(1,3361)	2:205:B:MET:HB3	2:205:B:MET:H	16	0.18
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	3	0.18
(1,3350)	2:205:B:MET:HG2	2:205:B:MET:HA	13	0.18
(1,3350)	2:205:B:MET:HG2	2:205:B:MET:HA	18	0.18
(1,3347)	2:204:B:PHE:HZ	1:39:A:LEU:HD11	2	0.18
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	1	0.18
(1,3319)	2:201:B:MET:HB2	1:39:A:LEU:HD12	7	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	4	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	4	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	4	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	4	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	4	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	4	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	7	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	7	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	7	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	7	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	7	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	7	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	19	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	19	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	19	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	19	0.18
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	19	0.18
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB3	8	0.18
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	2	0.18
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	2	0.18
(1,3307)	2:214:B:GLY:HA2	2:214:B:GLY:H	9	0.18
(1,3307)	2:214:B:GLY:HA3	2:214:B:GLY:H	9	0.18
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	5	0.18
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	5	0.18
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	7	0.18
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	7	0.18
(1,3289)	2:205:B:MET:HA	2:208:B:LEU:H	6	0.18
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	9	0.18
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	11	0.18
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	14	0.18
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	15	0.18
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	5	0.18
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB1	20	0.18
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB2	6	0.18
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB3	6	0.18
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	20	0.18
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	20	0.18
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	16	0.18
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	16	0.18
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	11	0.18
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	11	0.18
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	10	0.18
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	10	0.18
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	10	0.18
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	10	0.18
(1,3122)	1:65:A:PHE:HZ	1:9:A:ILE:HG21	12	0.18
(1,3122)	1:65:A:PHE:HZ	1:9:A:ILE:HG22	12	0.18
(1,3122)	1:65:A:PHE:HZ	1:9:A:ILE:HG23	12	0.18
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	7	0.18
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	7	0.18
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	7	0.18
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	7	0.18
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	7	0.18
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	11	0.18
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	11	0.18
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	11	0.18
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	11	0.18
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	11	0.18
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	11	0.18
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	18	0.18
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	18	0.18
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	18	0.18
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	18	0.18
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	18	0.18
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	18	0.18
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	18	0.18
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	17	0.18
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	14	0.18
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	2	0.18
(1,3063)	1:76:A:MET:HG2	1:76:A:MET:HA	20	0.18
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	10	0.18
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	12	0.18
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	20	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	9	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	9	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	9	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	9	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	9	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	9	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	16	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	16	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	16	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	16	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	16	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	16	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	19	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	19	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	19	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	19	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	19	0.18
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	19	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	4	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	4	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	4	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	5	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	5	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	6	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	6	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	6	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	7	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	7	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	7	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	8	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	8	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	8	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	9	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	9	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	9	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	11	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	11	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	11	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	12	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	12	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	12	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	13	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	13	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	13	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	14	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	14	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	14	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	15	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	15	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	15	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	16	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	16	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	16	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	17	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	17	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	17	0.18
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	20	0.18
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	20	0.18
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	20	0.18
(1,3020)	1:145:A:MET:HE1	1:144:A:MET:HG2	16	0.18
(1,3020)	1:145:A:MET:HE2	1:144:A:MET:HG2	16	0.18
(1,3020)	1:145:A:MET:HE3	1:144:A:MET:HG2	16	0.18
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	5	0.18
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	5	0.18
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	5	0.18
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	5	0.18
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	5	0.18
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	8	0.18
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	8	0.18
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	8	0.18
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	12	0.18
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	12	0.18
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	12	0.18
(1,3008)	1:144:A:MET:HE1	1:128:A:ALA:HA	16	0.18
(1,3008)	1:144:A:MET:HE2	1:128:A:ALA:HA	16	0.18
(1,3008)	1:144:A:MET:HE3	1:128:A:ALA:HA	16	0.18
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	10	0.18
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	10	0.18
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	10	0.18
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	11	0.18
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	11	0.18
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	11	0.18
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	15	0.18
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	15	0.18
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	15	0.18
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	14	0.18
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	14	0.18
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	14	0.18
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	6	0.18
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	6	0.18
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	6	0.18
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	12	0.18
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	12	0.18
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	12	0.18
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	4	0.18
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	4	0.18
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	4	0.18
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	6	0.18
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	6	0.18
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	6	0.18
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	8	0.18
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	8	0.18
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	8	0.18
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	9	0.18
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	9	0.18
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	11	0.18
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	11	0.18
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	11	0.18
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	13	0.18
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	13	0.18
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	13	0.18
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	14	0.18
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	14	0.18
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	14	0.18
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	11	0.18
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	11	0.18
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	11	0.18
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	15	0.18
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	15	0.18
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	15	0.18
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	9	0.18
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	9	0.18
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	9	0.18
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	12	0.18
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	12	0.18
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	12	0.18
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	18	0.18
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	18	0.18
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	18	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	11	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	11	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	11	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	11	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	11	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	11	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	11	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	11	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	11	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	13	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	13	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	13	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	13	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	13	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	13	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	13	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	13	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	19	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	19	0.18
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	19	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	19	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	19	0.18
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	19	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	19	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	19	0.18
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	19	0.18
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	2	0.18
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	2	0.18
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	2	0.18
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	7	0.18
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	7	0.18
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	7	0.18
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	9	0.18
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	9	0.18
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	9	0.18
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	18	0.18
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	18	0.18
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	18	0.18
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	2	0.18
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	2	0.18
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	2	0.18
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	7	0.18
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	7	0.18
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	7	0.18
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	9	0.18
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	9	0.18
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	9	0.18
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	18	0.18
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	18	0.18
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	18	0.18
(1,2912)	1:124:A:MET:HE1	1:124:A:MET:HB3	14	0.18
(1,2912)	1:124:A:MET:HE2	1:124:A:MET:HB3	14	0.18
(1,2912)	1:124:A:MET:HE3	1:124:A:MET:HB3	14	0.18
(1,2902)	1:121:A:VAL:HG11	1:121:A:VAL:HA	16	0.18
(1,2902)	1:121:A:VAL:HG12	1:121:A:VAL:HA	16	0.18
(1,2902)	1:121:A:VAL:HG13	1:121:A:VAL:HA	16	0.18
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	5	0.18
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	5	0.18
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	18	0.18
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	18	0.18
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	18	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	1	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	1	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	1	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	2	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	2	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	2	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	3	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	3	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	3	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	4	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	4	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	4	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	5	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	5	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	5	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	7	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	7	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	7	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	8	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	8	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	8	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	9	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	9	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	9	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	10	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	10	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	10	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	12	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	12	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	12	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	13	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	13	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	13	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	14	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	14	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	14	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	16	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	16	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	18	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	18	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	18	0.18
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	19	0.18
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	19	0.18
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	19	0.18
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	15	0.18
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	15	0.18
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	15	0.18
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	5	0.18
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	5	0.18
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	5	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	4	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	4	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	4	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	5	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	5	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	5	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	7	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	7	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	7	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	8	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	8	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	8	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	10	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	10	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	10	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	11	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	11	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	11	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	12	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	12	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	12	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	13	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	13	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	13	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	14	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	14	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	14	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	17	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	17	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	19	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	19	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	19	0.18
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	20	0.18
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	20	0.18
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	20	0.18
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	2	0.18
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	2	0.18
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	2	0.18
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	3	0.18
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	3	0.18
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	3	0.18
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	7	0.18
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	7	0.18
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	7	0.18
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	10	0.18
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	10	0.18
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	10	0.18
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	11	0.18
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	11	0.18
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	11	0.18
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	15	0.18
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	15	0.18
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	15	0.18
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	18	0.18
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	18	0.18
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	18	0.18
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	3	0.18
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	3	0.18
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	3	0.18
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	3	0.18
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	3	0.18
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	3	0.18
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	3	0.18
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	3	0.18
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	3	0.18
(1,2846)	1:105:A:LEU:HD21	1:109:A:MET:HG3	14	0.18
(1,2846)	1:105:A:LEU:HD22	1:109:A:MET:HG3	14	0.18
(1,2846)	1:105:A:LEU:HD23	1:109:A:MET:HG3	14	0.18
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	1	0.18
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	1	0.18
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	3	0.18
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	3	0.18
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	3	0.18
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	11	0.18
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	11	0.18
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	11	0.18
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	17	0.18
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	17	0.18
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	17	0.18
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	15	0.18
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	15	0.18
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	15	0.18
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	15	0.18
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	15	0.18
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	15	0.18
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	15	0.18
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	15	0.18
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	15	0.18
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	18	0.18
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	18	0.18
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	18	0.18
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	18	0.18
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	18	0.18
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	18	0.18
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	18	0.18
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	18	0.18
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	18	0.18
(1,2795)	1:91:A:VAL:HG21	1:91:A:VAL:H	19	0.18
(1,2795)	1:91:A:VAL:HG22	1:91:A:VAL:H	19	0.18
(1,2795)	1:91:A:VAL:HG23	1:91:A:VAL:H	19	0.18
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	16	0.18
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	16	0.18
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	16	0.18
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	9	0.18
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	9	0.18
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	9	0.18
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	15	0.18
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	15	0.18
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	15	0.18
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	20	0.18
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	20	0.18
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	6	0.18
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	6	0.18
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	6	0.18
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	10	0.18
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	10	0.18
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	10	0.18
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	18	0.18
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	18	0.18
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	18	0.18
(1,2761)	1:76:A:MET:HE1	1:8:A:GLN:HE22	10	0.18
(1,2761)	1:76:A:MET:HE2	1:8:A:GLN:HE22	10	0.18
(1,2761)	1:76:A:MET:HE3	1:8:A:GLN:HE22	10	0.18
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	4	0.18
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	4	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	4	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	4	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	4	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	4	0.18
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	14	0.18
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	14	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	14	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	14	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	14	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	14	0.18
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	15	0.18
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	15	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	15	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	15	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	15	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	15	0.18
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	16	0.18
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	16	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	16	0.18
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	16	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	16	0.18
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	16	0.18
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	14	0.18
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	14	0.18
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	14	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	1	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	1	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	1	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	2	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	2	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	2	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	4	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	4	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	4	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	6	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	6	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	6	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	9	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	9	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	9	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	10	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	10	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	10	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	11	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	11	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	11	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	13	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	13	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	13	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	16	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	16	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	16	0.18
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	17	0.18
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	17	0.18
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	17	0.18
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	5	0.18
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	5	0.18
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	5	0.18
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	16	0.18
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	16	0.18
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	16	0.18
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	20	0.18
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	20	0.18
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	20	0.18
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	15	0.18
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	15	0.18
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	15	0.18
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	15	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	15	0.18
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	15	0.18
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	1	0.18
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	1	0.18
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	1	0.18
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	16	0.18
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	16	0.18
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	16	0.18
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	19	0.18
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	19	0.18
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	19	0.18
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	5	0.18
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	5	0.18
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	5	0.18
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	12	0.18
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	12	0.18
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	12	0.18
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	10	0.18
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	10	0.18
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	10	0.18
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	10	0.18
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	10	0.18
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	10	0.18
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	10	0.18
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	10	0.18
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	10	0.18
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	20	0.18
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	20	0.18
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	20	0.18
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	20	0.18
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	20	0.18
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	20	0.18
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	20	0.18
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	20	0.18
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	20	0.18
(1,2666)	1:55:A:VAL:HG21	1:52:A:ILE:HA	14	0.18
(1,2666)	1:55:A:VAL:HG22	1:52:A:ILE:HA	14	0.18
(1,2666)	1:55:A:VAL:HG23	1:52:A:ILE:HA	14	0.18
(1,2662)	1:55:A:VAL:HG22	1:71:A:MET:HB3	1	0.18
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	13	0.18
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	13	0.18
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	8	0.18
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	8	0.18
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	8	0.18
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	8	0.18
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	8	0.18
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	8	0.18
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	18	0.18
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	18	0.18
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	18	0.18
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	5	0.18
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	5	0.18
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	5	0.18
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	9	0.18
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	9	0.18
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	9	0.18
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	18	0.18
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	18	0.18
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	18	0.18
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	4	0.18
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	4	0.18
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	4	0.18
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	6	0.18
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	6	0.18
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	6	0.18
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	20	0.18
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	20	0.18
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	20	0.18
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	5	0.18
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	5	0.18
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	5	0.18
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	7	0.18
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	7	0.18
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	7	0.18
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	12	0.18
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	12	0.18
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	12	0.18
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	19	0.18
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	19	0.18
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	19	0.18
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	5	0.18
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	5	0.18
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	5	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	14	0.18
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	14	0.18
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	14	0.18
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	17	0.18
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	17	0.18
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	17	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	1	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	1	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	1	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	1	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	1	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	1	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	2	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	2	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	2	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	2	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	2	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	2	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	3	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	3	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	3	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	3	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	3	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	3	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	5	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	5	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	5	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	5	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	5	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	5	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	7	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	7	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	7	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	7	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	7	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	7	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	9	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	9	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	9	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	9	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	9	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	9	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	10	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	10	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	10	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	10	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	10	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	10	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	13	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	13	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	13	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	13	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	13	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	13	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	18	0.18
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	18	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	18	0.18
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	18	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	18	0.18
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	18	0.18
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	1	0.18
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	1	0.18
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	1	0.18
(1,2590)	1:35:A:VAL:HG21	1:35:A:VAL:HA	18	0.18
(1,2590)	1:35:A:VAL:HG22	1:35:A:VAL:HA	18	0.18
(1,2590)	1:35:A:VAL:HG23	1:35:A:VAL:HA	18	0.18
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	11	0.18
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	11	0.18
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	11	0.18
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	13	0.18
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	13	0.18
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	13	0.18
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	4	0.18
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	4	0.18
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	4	0.18
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	11	0.18
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	11	0.18
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	11	0.18
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	13	0.18
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	13	0.18
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	13	0.18
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	16	0.18
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	16	0.18
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	14	0.18
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	14	0.18
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	14	0.18
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	1	0.18
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	1	0.18
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	1	0.18
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	3	0.18
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	3	0.18
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	3	0.18
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	4	0.18
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	4	0.18
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	4	0.18
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	8	0.18
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	8	0.18
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	8	0.18
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	13	0.18
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	13	0.18
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	13	0.18
(1,2518)	1:26:A:THR:HG21	1:26:A:THR:H	8	0.18
(1,2518)	1:26:A:THR:HG22	1:26:A:THR:H	8	0.18
(1,2518)	1:26:A:THR:HG23	1:26:A:THR:H	8	0.18
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	7	0.18
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	7	0.18
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	7	0.18
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	19	0.18
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	19	0.18
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	19	0.18
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	4	0.18
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	4	0.18
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	4	0.18
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	4	0.18
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	4	0.18
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	4	0.18
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	4	0.18
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	4	0.18
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	4	0.18
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	17	0.18
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	17	0.18
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	17	0.18
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	17	0.18
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	17	0.18
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	17	0.18
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	17	0.18
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	17	0.18
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	5	0.18
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	5	0.18
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	5	0.18
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	12	0.18
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	12	0.18
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	12	0.18
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	12	0.18
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	12	0.18
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	12	0.18
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	12	0.18
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	12	0.18
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	12	0.18
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	10	0.18
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	10	0.18
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	10	0.18
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	10	0.18
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	10	0.18
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	10	0.18
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	5	0.18
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	5	0.18
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	5	0.18
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	11	0.18
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	11	0.18
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	11	0.18
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	16	0.18
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	16	0.18
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	16	0.18
(1,2462)	1:4:A:LEU:HD21	1:4:A:LEU:H	18	0.18
(1,2462)	1:4:A:LEU:HD22	1:4:A:LEU:H	18	0.18
(1,2462)	1:4:A:LEU:HD23	1:4:A:LEU:H	18	0.18
(1,2455)	1:4:A:LEU:HD21	1:9:A:ILE:HG21	16	0.18
(1,2455)	1:4:A:LEU:HD21	1:9:A:ILE:HG22	16	0.18
(1,2455)	1:4:A:LEU:HD21	1:9:A:ILE:HG23	16	0.18
(1,2455)	1:4:A:LEU:HD22	1:9:A:ILE:HG21	16	0.18
(1,2455)	1:4:A:LEU:HD22	1:9:A:ILE:HG22	16	0.18
(1,2455)	1:4:A:LEU:HD22	1:9:A:ILE:HG23	16	0.18
(1,2455)	1:4:A:LEU:HD23	1:9:A:ILE:HG21	16	0.18
(1,2455)	1:4:A:LEU:HD23	1:9:A:ILE:HG22	16	0.18
(1,2455)	1:4:A:LEU:HD23	1:9:A:ILE:HG23	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2437)	1:132:A:GLY:HA3	1:133:A:ASP:H	12	0.18
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	20	0.18
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	6	0.18
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	6	0.18
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	6	0.18
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	6	0.18
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	6	0.18
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	6	0.18
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	1	0.18
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	1	0.18
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	1	0.18
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	2	0.18
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	2	0.18
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	2	0.18
(1,2320)	1:142:A:VAL:HA	1:145:A:MET:HG2	7	0.18
(1,2320)	1:142:A:VAL:HA	1:145:A:MET:HG3	7	0.18
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	20	0.18
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	20	0.18
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	3	0.18
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	4	0.18
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	19	0.18
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	9	0.18
(1,2243)	1:121:A:VAL:HA	1:124:A:MET:HG3	10	0.18
(1,2243)	1:121:A:VAL:HA	1:124:A:MET:HG3	11	0.18
(1,2188)	1:105:A:LEU:HA	1:100:A:ILE:HG23	15	0.18
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	3	0.18
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	5	0.18
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	10	0.18
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	14	0.18
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	2	0.18
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	2	0.18
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	8	0.18
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	8	0.18
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	3	0.18
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	15	0.18
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	12	0.18
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	12	0.18
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	12	0.18
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	12	0.18
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	12	0.18
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	12	0.18
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	18	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	18	0.18
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	3	0.18
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	8	0.18
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	11	0.18
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	13	0.18
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	5	0.18
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	14	0.18
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	20	0.18
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	16	0.18
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	18	0.18
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	18	0.18
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	18	0.18
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	2	0.18
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	5	0.18
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	10	0.18
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	8	0.18
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	19	0.18
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	6	0.18
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	9	0.18
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	9	0.18
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	15	0.18
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	15	0.18
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	8	0.18
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	8	0.18
(1,1934)	1:29:A:THR:HA	1:32:A:LEU:HB2	20	0.18
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	1	0.18
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	17	0.18
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	12	0.18
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	12	0.18
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	17	0.18
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	17	0.18
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	15	0.18
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	15	0.18
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	15	0.18
(1,1824)	1:137:A:ASN:HD22	1:139:A:GLU:HB2	19	0.18
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	6	0.18
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	14	0.18
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	13	0.18
(1,1763)	1:97:A:ASN:HD21	1:135:A:GLN:HB3	12	0.18
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	20	0.18
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	20	0.18
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	13	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1714)	1:49:A:GLN:HE21	1:53:A:ASN:HD21	7	0.18
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	2	0.18
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	6	0.18
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	11	0.18
(1,1665)	1:147:A:ALA:H	1:143:A:GLN:HA	3	0.18
(1,1665)	1:147:A:ALA:H	1:143:A:GLN:HA	11	0.18
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	12	0.18
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	14	0.18
(1,1568)	1:139:A:GLU:H	1:137:A:ASN:HD21	9	0.18
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	3	0.18
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	3	0.18
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	17	0.18
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	17	0.18
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	19	0.18
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	19	0.18
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	2	0.18
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	2	0.18
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	2	0.18
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	17	0.18
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	17	0.18
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	17	0.18
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	19	0.18
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	19	0.18
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	19	0.18
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD12	9	0.18
(1,1493)	1:135:A:GLN:H	1:125:A:ILE:HG23	4	0.18
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	6	0.18
(1,1414)	1:129:A:ASP:H	1:136:A:VAL:HG21	18	0.18
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	19	0.18
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	19	0.18
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	6	0.18
(1,1257)	1:115:A:LYS:H	1:114:A:GLU:HG2	11	0.18
(1,1235)	1:113:A:GLY:H	1:114:A:GLU:H	15	0.18
(1,1181)	1:108:A:VAL:H	1:105:A:LEU:HA	16	0.18
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	6	0.18
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	13	0.18
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	3	0.18
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	3	0.18
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	10	0.18
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	10	0.18
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	10	0.18
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG11	12	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG12	12	0.18
(1,965)	1:90:A:ARG:H	1:91:A:VAL:HG13	12	0.18
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	4	0.18
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	4	0.18
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	13	0.18
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	1	0.18
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	1	0.18
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	2	0.18
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	2	0.18
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	6	0.18
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	6	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	14	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	14	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	14	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	14	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	14	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	14	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	15	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	15	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	15	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	15	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	15	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	15	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	19	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	19	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	19	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	19	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	19	0.18
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	19	0.18
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	1	0.18
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	2	0.18
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	8	0.18
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	11	0.18
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	19	0.18
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	20	0.18
(1,774)	1:69:A:LEU:H	1:68:A:PHE:HB3	12	0.18
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD1	1	0.18
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD2	1	0.18
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	1	0.18
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	6	0.18
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	7	0.18
(1,766)	1:69:A:LEU:H	1:69:A:LEU:HG	20	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	19	0.18
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	12	0.18
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	18	0.18
(1,697)	1:63:A:ILE:H	1:63:A:ILE:HG12	6	0.18
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	3	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	2	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	2	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	2	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	3	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	3	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	3	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	9	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	9	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	9	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	11	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	11	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	11	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	12	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	12	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	12	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	13	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	13	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	13	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	14	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	14	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	14	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG21	20	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG22	20	0.18
(1,687)	1:63:A:ILE:H	1:62:A:THR:HG23	20	0.18
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	8	0.18
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	17	0.18
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	6	0.18
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	18	0.18
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	6	0.18
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	6	0.18
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	7	0.18
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	14	0.18
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	7	0.18
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	7	0.18
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	7	0.18
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	16	0.18
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	16	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	16	0.18
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	10	0.18
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	10	0.18
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD13	18	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	2	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	3	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	5	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	7	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	9	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	11	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	12	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	15	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	16	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	18	0.18
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	20	0.18
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	19	0.18
(1,225)	1:21:A:LYS:H	1:35:A:VAL:HG13	20	0.18
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	3	0.18
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	8	0.18
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	13	0.18
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	14	0.18
(1,194)	1:18:A:LEU:H	1:18:A:LEU:HG	19	0.18
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	7	0.18
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	7	0.18
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	12	0.18
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	12	0.18
(1,174)	1:16:A:PHE:H	1:68:A:PHE:HE2	18	0.18
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	5	0.18
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	15	0.18
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	16	0.18
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	3	0.18
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	4	0.18
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	12	0.18
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	14	0.18
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	8	0.18
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	17	0.18
(1,13)	1:5:A:THR:H	1:9:A:ILE:HG12	12	0.18
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	5	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	5	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	5	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	5	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	5	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	5	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	5	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	5	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	5	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	5	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	5	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	5	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	5	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	5	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	5	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	5	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	5	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	12	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	12	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	12	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	12	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	12	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	12	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	12	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	12	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	12	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	12	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	12	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	12	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	12	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	12	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	12	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	12	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	12	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	12	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	18	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	18	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	18	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	18	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	18	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	18	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	18	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	18	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	18	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	18	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	18	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	18	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	18	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	18	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	18	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	18	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	18	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	18	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	20	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	20	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	20	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	20	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	20	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	20	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	20	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	20	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	20	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	20	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	20	0.17
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	20	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	20	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	20	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	20	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	20	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	20	0.17
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	20	0.17
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB2	4	0.17
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB2	16	0.17
(1,3414)	2:207:B:GLY:HA3	1:84:A:GLU:HB3	18	0.17
(1,3412)	2:207:B:GLY:H	1:84:A:GLU:HB3	8	0.17
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	10	0.17
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	10	0.17
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	10	0.17
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	15	0.17
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	15	0.17
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	15	0.17
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	2	0.17
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	2	0.17
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	2	0.17
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	9	0.17
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	9	0.17
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	9	0.17
(1,3385)	2:208:B:LEU:HB2	2:209:B:SER:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3385)	2:208:B:LEU:HB3	2:209:B:SER:H	2	0.17
(1,3380)	2:208:B:LEU:HD21	2:208:B:LEU:H	5	0.17
(1,3380)	2:208:B:LEU:HD22	2:208:B:LEU:H	5	0.17
(1,3380)	2:208:B:LEU:HD23	2:208:B:LEU:H	5	0.17
(1,3371)	2:208:B:LEU:HG	2:205:B:MET:HA	5	0.17
(1,3369)	2:208:B:LEU:HG	2:208:B:LEU:HA	7	0.17
(1,3350)	2:205:B:MET:HG2	2:205:B:MET:HA	16	0.17
(1,3348)	2:205:B:MET:HG2	1:19:A:PHE:HE2	20	0.17
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD12	9	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	1	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	1	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	1	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	1	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	1	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	1	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	6	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	6	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	6	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	6	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	6	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	6	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	9	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	9	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	9	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	9	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	9	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	9	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	12	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	12	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	12	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	12	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	12	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	12	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	14	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	14	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	14	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	14	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	14	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	14	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	15	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	15	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	15	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	15	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	15	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	15	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	16	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	16	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	16	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	16	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	16	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	16	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	20	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	20	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	20	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	20	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	20	0.17
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	20	0.17
(1,3313)	2:215:B:VAL:HA	2:219:B:ALA:HB3	16	0.17
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	4	0.17
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	4	0.17
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	6	0.17
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	6	0.17
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	10	0.17
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	10	0.17
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	11	0.17
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	11	0.17
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	12	0.17
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	12	0.17
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	15	0.17
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	15	0.17
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	16	0.17
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	16	0.17
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	19	0.17
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	19	0.17
(1,3258)	2:215:B:VAL:H	2:212:B:LYS:HA	17	0.17
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	8	0.17
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	19	0.17
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	4	0.17
(1,3199)	2:203:B:VAL:H	2:202:B:ASP:HB3	11	0.17
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	5	0.17
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	6	0.17
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	11	0.17
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	2	0.17
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	19	0.17
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	19	0.17
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	16	0.17
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	16	0.17
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	3	0.17
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	3	0.17
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	7	0.17
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	7	0.17
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	18	0.17
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	18	0.17
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	20	0.17
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	20	0.17
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	2	0.17
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	2	0.17
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	2	0.17
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	2	0.17
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	10	0.17
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	13	0.17
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	16	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	3	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	3	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	3	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	3	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	3	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	3	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	12	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	12	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	12	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	12	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	12	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	12	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	13	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	13	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	13	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	13	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	13	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	13	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	19	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	19	0.17
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	19	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	19	0.17
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	19	0.17
(1,3097)	1:144:A:MET:HG3	1:144:A:MET:HA	5	0.17
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	2	0.17
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	8	0.17
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	4	0.17
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	18	0.17
(1,3064)	1:76:A:MET:HG2	1:76:A:MET:H	19	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	1	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	2	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	4	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	5	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	7	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	8	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	9	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	14	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	15	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	17	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	18	0.17
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	19	0.17
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	13	0.17
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	12	0.17
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	12	0.17
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	12	0.17
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	12	0.17
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	12	0.17
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	12	0.17
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	1	0.17
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	1	0.17
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	1	0.17
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	2	0.17
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	2	0.17
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	2	0.17
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	3	0.17
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	3	0.17
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	3	0.17
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	18	0.17
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	18	0.17
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	18	0.17
(1,3027)	1:147:A:ALA:HB1	1:147:A:ALA:H	19	0.17
(1,3027)	1:147:A:ALA:HB2	1:147:A:ALA:H	19	0.17
(1,3027)	1:147:A:ALA:HB3	1:147:A:ALA:H	19	0.17
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	3	0.17
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	3	0.17
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	19	0.17
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	19	0.17
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	19	0.17
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	1	0.17
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	1	0.17
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	1	0.17
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	14	0.17
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	14	0.17
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	14	0.17
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	7	0.17
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	7	0.17
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	7	0.17
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	7	0.17
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	7	0.17
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	7	0.17
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	14	0.17
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	14	0.17
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	14	0.17
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	14	0.17
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	14	0.17
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	14	0.17
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG11	17	0.17
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG12	17	0.17
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG13	17	0.17
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG11	17	0.17
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG12	17	0.17
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG13	17	0.17
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG11	17	0.17
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG12	17	0.17
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG13	17	0.17
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	19	0.17
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	19	0.17
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	19	0.17
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	18	0.17
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	18	0.17
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	18	0.17
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	15	0.17
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	15	0.17
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	15	0.17
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	4	0.17
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	4	0.17
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	4	0.17
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	4	0.17
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	4	0.17
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG2	19	0.17
(1,2996)	1:142:A:VAL:HG11	1:143:A:GLN:HG3	19	0.17
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG2	19	0.17
(1,2996)	1:142:A:VAL:HG12	1:143:A:GLN:HG3	19	0.17
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG2	19	0.17
(1,2996)	1:142:A:VAL:HG13	1:143:A:GLN:HG3	19	0.17
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	8	0.17
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	8	0.17
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	8	0.17
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	20	0.17
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	20	0.17
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	20	0.17
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	5	0.17
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	5	0.17
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	5	0.17
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	15	0.17
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	15	0.17
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	15	0.17
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	16	0.17
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	16	0.17
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	16	0.17
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	20	0.17
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	20	0.17
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	20	0.17
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	10	0.17
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	10	0.17
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	10	0.17
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	10	0.17
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	10	0.17
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	10	0.17
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	11	0.17
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	11	0.17
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	11	0.17
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	11	0.17
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	11	0.17
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	11	0.17
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	5	0.17
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	5	0.17
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	17	0.17
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	17	0.17
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	17	0.17
(1,2955)	1:130:A:ILE:HD11	1:130:A:ILE:HB	9	0.17
(1,2955)	1:130:A:ILE:HD12	1:130:A:ILE:HB	9	0.17
(1,2955)	1:130:A:ILE:HD13	1:130:A:ILE:HB	9	0.17
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	4	0.17
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	4	0.17
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	4	0.17
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	19	0.17
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	19	0.17
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	19	0.17
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	7	0.17
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	7	0.17
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	7	0.17
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	8	0.17
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	8	0.17
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	8	0.17
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	14	0.17
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	14	0.17
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	14	0.17
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	17	0.17
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	17	0.17
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	17	0.17
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	19	0.17
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	19	0.17
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	19	0.17
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	7	0.17
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	7	0.17
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	7	0.17
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	7	0.17
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	7	0.17
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	7	0.17
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	7	0.17
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	7	0.17
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	7	0.17
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	17	0.17
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	17	0.17
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	17	0.17
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	17	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	17	0.17
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	17	0.17
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	17	0.17
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	17	0.17
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	17	0.17
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	12	0.17
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	12	0.17
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	12	0.17
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	13	0.17
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	13	0.17
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	13	0.17
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	19	0.17
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	19	0.17
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	19	0.17
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	12	0.17
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	12	0.17
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	12	0.17
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	13	0.17
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	13	0.17
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	13	0.17
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	19	0.17
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	19	0.17
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	19	0.17
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	19	0.17
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	19	0.17
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	19	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	1	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	1	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	1	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	2	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	2	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	2	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	3	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	3	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	3	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	4	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	4	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	4	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	7	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	7	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	7	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	9	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	9	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	10	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	10	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	10	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	11	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	11	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	11	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	12	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	12	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	12	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	15	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	15	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	15	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	16	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	16	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	16	0.17
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	20	0.17
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	20	0.17
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	20	0.17
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	6	0.17
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	6	0.17
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	6	0.17
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	11	0.17
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	11	0.17
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	11	0.17
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	15	0.17
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	15	0.17
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	15	0.17
(1,2888)	1:117:A:THR:HG21	1:118:A:ASP:H	20	0.17
(1,2888)	1:117:A:THR:HG22	1:118:A:ASP:H	20	0.17
(1,2888)	1:117:A:THR:HG23	1:118:A:ASP:H	20	0.17
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	16	0.17
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	16	0.17
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	16	0.17
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	1	0.17
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	1	0.17
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	1	0.17
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	2	0.17
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	2	0.17
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	2	0.17
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	6	0.17
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	6	0.17
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	9	0.17
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	9	0.17
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	9	0.17
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	15	0.17
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	15	0.17
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	15	0.17
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	16	0.17
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	16	0.17
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	16	0.17
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	18	0.17
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	18	0.17
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	18	0.17
(1,2872)	1:110:A:THR:HG21	1:111:A:ASN:H	15	0.17
(1,2872)	1:110:A:THR:HG22	1:111:A:ASN:H	15	0.17
(1,2872)	1:110:A:THR:HG23	1:111:A:ASN:H	15	0.17
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	1	0.17
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	1	0.17
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	1	0.17
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	4	0.17
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	4	0.17
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	4	0.17
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	13	0.17
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	13	0.17
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	13	0.17
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	14	0.17
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	14	0.17
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	14	0.17
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	15	0.17
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	15	0.17
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	15	0.17
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	18	0.17
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	18	0.17
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	18	0.17
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	20	0.17
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	20	0.17
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	20	0.17
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	14	0.17
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	14	0.17
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	14	0.17
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	2	0.17
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	2	0.17
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	2	0.17
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	2	0.17
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	2	0.17
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	2	0.17
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	2	0.17
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	2	0.17
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	15	0.17
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	15	0.17
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	15	0.17
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	15	0.17
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	15	0.17
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	15	0.17
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	15	0.17
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	15	0.17
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	15	0.17
(1,2843)	1:105:A:LEU:HD21	1:100:A:ILE:HG21	18	0.17
(1,2830)	1:103:A:ALA:HB1	1:104:A:GLU:H	4	0.17
(1,2830)	1:103:A:ALA:HB2	1:104:A:GLU:H	4	0.17
(1,2830)	1:103:A:ALA:HB3	1:104:A:GLU:H	4	0.17
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	6	0.17
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	6	0.17
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	6	0.17
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	9	0.17
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	9	0.17
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	9	0.17
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	14	0.17
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	14	0.17
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	14	0.17
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	17	0.17
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	17	0.17
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	17	0.17
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	17	0.17
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	17	0.17
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	17	0.17
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	17	0.17
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	17	0.17
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	17	0.17
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	8	0.17
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	8	0.17
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	17	0.17
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	17	0.17
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	17	0.17
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	1	0.17
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	1	0.17
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	1	0.17
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	4	0.17
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	4	0.17
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	4	0.17
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	8	0.17
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	8	0.17
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	8	0.17
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	8	0.17
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	8	0.17
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	8	0.17
(1,2779)	1:85:A:ILE:HG21	1:86:A:ARG:H	18	0.17
(1,2779)	1:85:A:ILE:HG22	1:86:A:ARG:H	18	0.17
(1,2779)	1:85:A:ILE:HG23	1:86:A:ARG:H	18	0.17
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE1	7	0.17
(1,2778)	1:85:A:ILE:HG21	1:141:A:PHE:HE2	7	0.17
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE1	7	0.17
(1,2778)	1:85:A:ILE:HG22	1:141:A:PHE:HE2	7	0.17
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE1	7	0.17
(1,2778)	1:85:A:ILE:HG23	1:141:A:PHE:HE2	7	0.17
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	10	0.17
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	10	0.17
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	10	0.17
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	12	0.17
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	12	0.17
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	12	0.17
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	15	0.17
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	15	0.17
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	15	0.17
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	7	0.17
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	7	0.17
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	7	0.17
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	19	0.17
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	19	0.17
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	19	0.17
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	19	0.17
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	19	0.17
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	19	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	12	0.17
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	12	0.17
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	12	0.17
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	15	0.17
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	15	0.17
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	15	0.17
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	18	0.17
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	18	0.17
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	18	0.17
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	8	0.17
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	8	0.17
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	8	0.17
(1,2707)	1:63:A:ILE:HD12	1:52:A:ILE:H	13	0.17
(1,2707)	1:63:A:ILE:HD13	1:52:A:ILE:H	18	0.17
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	10	0.17
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	10	0.17
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	10	0.17
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	10	0.17
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	10	0.17
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	10	0.17
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	10	0.17
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	10	0.17
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	10	0.17
(1,2692)	1:63:A:ILE:HG21	1:68:A:PHE:HD1	12	0.17
(1,2692)	1:63:A:ILE:HG21	1:68:A:PHE:HD2	12	0.17
(1,2692)	1:63:A:ILE:HG22	1:68:A:PHE:HD1	12	0.17
(1,2692)	1:63:A:ILE:HG22	1:68:A:PHE:HD2	12	0.17
(1,2692)	1:63:A:ILE:HG23	1:68:A:PHE:HD1	12	0.17
(1,2692)	1:63:A:ILE:HG23	1:68:A:PHE:HD2	12	0.17
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	4	0.17
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	4	0.17
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	4	0.17
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	6	0.17
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	6	0.17
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	6	0.17
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	15	0.17
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	15	0.17
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	15	0.17
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	6	0.17
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	6	0.17
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	6	0.17
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	8	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	8	0.17
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	8	0.17
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	16	0.17
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	16	0.17
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	16	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	2	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	2	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	2	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	2	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	2	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	2	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	2	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	2	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	2	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	3	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	3	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	3	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	3	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	3	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	3	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	3	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	3	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	3	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	5	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	5	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	5	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	5	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	5	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	5	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	5	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	5	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	5	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	15	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	15	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	15	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	15	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	15	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	15	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	15	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	15	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	15	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	16	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	16	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	16	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	16	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	16	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	16	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	16	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	16	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	18	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	18	0.17
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	18	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	18	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	18	0.17
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	18	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	18	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	18	0.17
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	18	0.17
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	5	0.17
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	5	0.17
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	5	0.17
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	11	0.17
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	11	0.17
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	11	0.17
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	12	0.17
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	12	0.17
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	12	0.17
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	16	0.17
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	16	0.17
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	16	0.17
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	20	0.17
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	20	0.17
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	20	0.17
(1,2657)	1:55:A:VAL:HG22	1:63:A:ILE:HG21	11	0.17
(1,2657)	1:55:A:VAL:HG22	1:63:A:ILE:HG23	12	0.17
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	3	0.17
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	3	0.17
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	3	0.17
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	3	0.17
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	3	0.17
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	3	0.17
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	3	0.17
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	3	0.17
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	14	0.17
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	14	0.17
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	14	0.17
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	14	0.17
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	14	0.17
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	14	0.17
(1,2635)	1:51:A:MET:HE1	2:202:B:ASP:HB3	19	0.17
(1,2635)	1:51:A:MET:HE2	2:202:B:ASP:HB3	19	0.17
(1,2635)	1:51:A:MET:HE3	2:202:B:ASP:HB3	19	0.17
(1,2633)	1:51:A:MET:HE1	1:51:A:MET:H	14	0.17
(1,2633)	1:51:A:MET:HE2	1:51:A:MET:H	14	0.17
(1,2633)	1:51:A:MET:HE3	1:51:A:MET:H	14	0.17
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	18	0.17
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	18	0.17
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	18	0.17
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	2	0.17
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	2	0.17
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	2	0.17
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	9	0.17
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	9	0.17
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	9	0.17
(1,2613)	1:48:A:LEU:HD11	1:48:A:LEU:HB2	13	0.17
(1,2613)	1:48:A:LEU:HD12	1:48:A:LEU:HB2	13	0.17
(1,2613)	1:48:A:LEU:HD13	1:48:A:LEU:HB2	13	0.17
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	7	0.17
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	7	0.17
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	7	0.17
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	8	0.17
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	8	0.17
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	8	0.17
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	12	0.17
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	12	0.17
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	12	0.17
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	8	0.17
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	8	0.17
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	8	0.17
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	8	0.17
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	8	0.17
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	8	0.17
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	12	0.17
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	12	0.17
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	12	0.17
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	12	0.17
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	12	0.17
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	2	0.17
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	2	0.17
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	2	0.17
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	4	0.17
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	4	0.17
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	4	0.17
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	5	0.17
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	5	0.17
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	5	0.17
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	10	0.17
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	10	0.17
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	10	0.17
(1,2557)	1:29:A:THR:HG21	1:52:A:ILE:HB	17	0.17
(1,2557)	1:29:A:THR:HG22	1:52:A:ILE:HB	17	0.17
(1,2557)	1:29:A:THR:HG23	1:52:A:ILE:HB	17	0.17
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	15	0.17
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	15	0.17
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	15	0.17
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	10	0.17
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	10	0.17
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	10	0.17
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	12	0.17
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	12	0.17
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	12	0.17
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	15	0.17
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	15	0.17
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	15	0.17
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	19	0.17
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	19	0.17
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	19	0.17
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	3	0.17
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	3	0.17
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	3	0.17
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	14	0.17
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	14	0.17
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	14	0.17
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	3	0.17
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	3	0.17
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	7	0.17
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	7	0.17
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	7	0.17
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	14	0.17
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	14	0.17
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	14	0.17
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	16	0.17
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	16	0.17
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	16	0.17
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	19	0.17
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	19	0.17
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	19	0.17
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	13	0.17
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	13	0.17
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	13	0.17
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	13	0.17
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	13	0.17
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	13	0.17
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	13	0.17
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	13	0.17
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	13	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	7	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	7	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	7	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	7	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	7	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	7	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	7	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	7	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	7	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	9	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	9	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	9	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	9	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	9	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	9	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	9	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	9	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	9	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	13	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	13	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	13	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	13	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	13	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	13	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	13	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	13	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	13	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	14	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	14	0.17
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	14	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	14	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	14	0.17
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	14	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	14	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	14	0.17
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	14	0.17
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	8	0.17
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	8	0.17
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	8	0.17
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	4	0.17
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	4	0.17
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	4	0.17
(1,2467)	1:5:A:THR:HG21	1:5:A:THR:H	12	0.17
(1,2467)	1:5:A:THR:HG22	1:5:A:THR:H	12	0.17
(1,2467)	1:5:A:THR:HG23	1:5:A:THR:H	12	0.17
(1,2455)	1:4:A:LEU:HD21	1:9:A:ILE:HG21	18	0.17
(1,2455)	1:4:A:LEU:HD21	1:9:A:ILE:HG22	18	0.17
(1,2455)	1:4:A:LEU:HD21	1:9:A:ILE:HG23	18	0.17
(1,2455)	1:4:A:LEU:HD22	1:9:A:ILE:HG21	18	0.17
(1,2455)	1:4:A:LEU:HD22	1:9:A:ILE:HG22	18	0.17
(1,2455)	1:4:A:LEU:HD22	1:9:A:ILE:HG23	18	0.17
(1,2455)	1:4:A:LEU:HD23	1:9:A:ILE:HG21	18	0.17
(1,2455)	1:4:A:LEU:HD23	1:9:A:ILE:HG22	18	0.17
(1,2455)	1:4:A:LEU:HD23	1:9:A:ILE:HG23	18	0.17
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	8	0.17
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	8	0.17
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	8	0.17
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	8	0.17
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	8	0.17
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	8	0.17
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	19	0.17
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	3	0.17
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	3	0.17
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	18	0.17
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	18	0.17
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	18	0.17
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE1	11	0.17
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE2	11	0.17
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE3	11	0.17
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	1	0.17
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	1	0.17
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	9	0.17
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	9	0.17
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	14	0.17
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	14	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	1	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	5	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	7	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	8	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	10	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	11	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	12	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	13	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	15	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	18	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	19	0.17
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	20	0.17
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG2	12	0.17
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG3	12	0.17
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	5	0.17
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	18	0.17
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	10	0.17
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	11	0.17
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	13	0.17
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	16	0.17
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	17	0.17
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	19	0.17
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	3	0.17
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	19	0.17
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	19	0.17
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	11	0.17
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	1	0.17
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	8	0.17
(1,2109)	1:79:A:THR:HA	1:80:A:ASP:H	13	0.17
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	4	0.17
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	4	0.17
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	5	0.17
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	5	0.17
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	7	0.17
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	7	0.17
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB2	18	0.17
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB3	18	0.17
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	6	0.17
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	6	0.17
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	20	0.17
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	16	0.17
(1,2063)	1:69:A:LEU:HA	1:72:A:MET:HB3	6	0.17
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	11	0.17
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	11	0.17
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	11	0.17
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	14	0.17
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	7	0.17
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	12	0.17
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	20	0.17
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	13	0.17
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	16	0.17
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	8	0.17
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	19	0.17
(1,1949)	1:32:A:LEU:HA	1:35:A:VAL:HB	1	0.17
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	4	0.17
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	4	0.17
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	18	0.17
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	18	0.17
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD22	15	0.17
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	4	0.17
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	8	0.17
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	10	0.17
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	14	0.17
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	15	0.17
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	7	0.17
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	7	0.17
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	17	0.17
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	17	0.17
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	3	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	3	0.17
(1,1791)	1:135:A:GLN:HE22	1:134:A:GLY:HA2	3	0.17
(1,1779)	1:126:A:ARG:HE	1:126:A:ARG:HA	17	0.17
(1,1766)	1:106:A:ARG:HE	1:106:A:ARG:HD3	2	0.17
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	3	0.17
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	5	0.17
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	16	0.17
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	3	0.17
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	3	0.17
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	11	0.17
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	11	0.17
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	15	0.17
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	15	0.17
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	18	0.17
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	18	0.17
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	1	0.17
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	8	0.17
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	9	0.17
(1,1714)	1:49:A:GLN:HE21	1:53:A:ASN:HD21	14	0.17
(1,1714)	1:49:A:GLN:HE21	1:53:A:ASN:HD21	19	0.17
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	16	0.17
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	13	0.17
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	2	0.17
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	2	0.17
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	4	0.17
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	4	0.17
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	13	0.17
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	13	0.17
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	10	0.17
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	4	0.17
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	4	0.17
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	4	0.17
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	6	0.17
(1,1508)	1:136:A:VAL:H	1:125:A:ILE:HD13	11	0.17
(1,1478)	1:133:A:ASP:H	1:135:A:GLN:HG3	18	0.17
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	3	0.17
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	4	0.17
(1,1450)	1:131:A:ASP:H	1:132:A:GLY:HA3	12	0.17
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	4	0.17
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	12	0.17
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	20	0.17
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	10	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	10	0.17
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	12	0.17
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	12	0.17
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	13	0.17
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	13	0.17
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	16	0.17
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	16	0.17
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	15	0.17
(1,1257)	1:115:A:LYS:H	1:114:A:GLU:HG2	14	0.17
(1,1257)	1:115:A:LYS:H	1:114:A:GLU:HG2	17	0.17
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD12	3	0.17
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	17	0.17
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	20	0.17
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	11	0.17
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	5	0.17
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	1	0.17
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	1	0.17
(1,1019)	1:94:A:LYS:H	1:100:A:ILE:HG21	5	0.17
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	9	0.17
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	16	0.17
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	1	0.17
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	1	0.17
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	1	0.17
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD1	16	0.17
(1,980)	1:92:A:PHE:H	1:92:A:PHE:HD2	16	0.17
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG11	19	0.17
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG12	19	0.17
(1,972)	1:91:A:VAL:H	1:91:A:VAL:HG13	19	0.17
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	8	0.17
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	9	0.17
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	14	0.17
(1,880)	1:81:A:SER:H	1:80:A:ASP:HA	14	0.17
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	12	0.17
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	12	0.17
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	18	0.17
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	18	0.17
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	2	0.17
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	2	0.17
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	12	0.17
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	12	0.17
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	4	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	6	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	6	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	6	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	6	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	6	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	6	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	12	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	12	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	12	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	12	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	12	0.17
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	12	0.17
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	4	0.17
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	10	0.17
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	17	0.17
(1,812)	1:72:A:MET:H	1:71:A:MET:HG3	7	0.17
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	7	0.17
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	2	0.17
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	7	0.17
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	13	0.17
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	1	0.17
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	5	0.17
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	12	0.17
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	2	0.17
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	11	0.17
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	5	0.17
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	10	0.17
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	12	0.17
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	18	0.17
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	19	0.17
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	20	0.17
(1,572)	1:53:A:ASN:H	1:53:A:ASN:HB3	7	0.17
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	9	0.17
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	9	0.17
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	9	0.17
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	11	0.17
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	11	0.17
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	11	0.17
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	4	0.17
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	5	0.17
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	7	0.17
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	12	0.17
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	15	0.17
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	19	0.17
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	16	0.17
(1,404)	1:36:A:MET:H	1:19:A:PHE:HD2	16	0.17
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	12	0.17
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD11	12	0.17
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG22	11	0.17
(1,357)	1:31:A:GLU:H	1:28:A:THR:HG1	14	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	2	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	2	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	2	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	2	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	2	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	2	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	8	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	8	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	8	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	8	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	8	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	8	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	9	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	9	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	9	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	9	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	9	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	9	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	13	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	13	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	13	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	13	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	13	0.17
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	13	0.17
(1,339)	1:30:A:LYS:H	1:52:A:ILE:HD12	19	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	3	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	3	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	10	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	10	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	11	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	11	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	14	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	14	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	16	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	16	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	18	0.17
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	18	0.17
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	18	0.17
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	19	0.17
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	1	0.17
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	2	0.17
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	8	0.17
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	9	0.17
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	20	0.17
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	4	0.17
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	3	0.17
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	15	0.17
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	16	0.17
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	1	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	1	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	1	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	1	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	1	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	1	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	1	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	1	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	1	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	1	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	1	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	1	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	1	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	1	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	1	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	1	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	1	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	1	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	6	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	6	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	6	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	6	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	6	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	6	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	6	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	6	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	6	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	6	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	6	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	6	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	6	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	6	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	6	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	6	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	6	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	16	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	16	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	16	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	16	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	16	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	16	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	16	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	16	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	16	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	16	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	16	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	16	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	16	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	16	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	16	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	16	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	16	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	16	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	19	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	19	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	19	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	19	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	19	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	19	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	19	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	19	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	19	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	19	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	19	0.16
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	19	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	19	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	19	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	19	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	19	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	19	0.16
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	19	0.16
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	9	0.16
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	9	0.16
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	9	0.16
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	9	0.16
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	9	0.16
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	9	0.16
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	9	0.16
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	9	0.16
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	9	0.16
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	2	0.16
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	2	0.16
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	2	0.16
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	18	0.16
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	18	0.16
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	18	0.16
(1,3384)	2:208:B:LEU:HB2	2:205:B:MET:HA	4	0.16
(1,3384)	2:208:B:LEU:HB3	2:205:B:MET:HA	4	0.16
(1,3379)	2:208:B:LEU:HD21	2:208:B:LEU:HA	9	0.16
(1,3379)	2:208:B:LEU:HD22	2:208:B:LEU:HA	9	0.16
(1,3379)	2:208:B:LEU:HD23	2:208:B:LEU:HA	9	0.16
(1,3372)	2:208:B:LEU:HD11	2:208:B:LEU:H	4	0.16
(1,3372)	2:208:B:LEU:HD12	2:208:B:LEU:H	4	0.16
(1,3372)	2:208:B:LEU:HD13	2:208:B:LEU:H	4	0.16
(1,3371)	2:208:B:LEU:HG	2:205:B:MET:HA	6	0.16
(1,3369)	2:208:B:LEU:HG	2:208:B:LEU:HA	2	0.16
(1,3369)	2:208:B:LEU:HG	2:208:B:LEU:HA	15	0.16
(1,3361)	2:205:B:MET:HB3	2:205:B:MET:H	4	0.16
(1,3361)	2:205:B:MET:HB3	2:205:B:MET:H	13	0.16
(1,3361)	2:205:B:MET:HB3	2:205:B:MET:H	17	0.16
(1,3361)	2:205:B:MET:HB3	2:205:B:MET:H	19	0.16
(1,3347)	2:204:B:PHE:HZ	1:39:A:LEU:HD12	10	0.16
(1,3330)	2:203:B:VAL:HG21	2:203:B:VAL:HA	10	0.16
(1,3330)	2:203:B:VAL:HG22	2:203:B:VAL:HA	10	0.16
(1,3330)	2:203:B:VAL:HG23	2:203:B:VAL:HA	10	0.16
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	1	0.16
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	1	0.16
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	1	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	3	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	3	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	3	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	3	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	3	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	13	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	13	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	13	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	13	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	13	0.16
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	13	0.16
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB1	20	0.16
(1,3306)	2:214:B:GLY:HA2	2:215:B:VAL:H	3	0.16
(1,3306)	2:214:B:GLY:HA3	2:215:B:VAL:H	3	0.16
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	8	0.16
(1,3282)	2:203:B:VAL:HA	2:206:B:LYS:HB2	20	0.16
(1,3282)	2:203:B:VAL:HA	2:206:B:LYS:HB3	20	0.16
(1,3279)	2:203:B:VAL:HA	2:206:B:LYS:H	20	0.16
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE3	20	0.16
(1,3256)	2:215:B:VAL:H	2:216:B:VAL:H	13	0.16
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	18	0.16
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	9	0.16
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	17	0.16
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB2	18	0.16
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB3	18	0.16
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	20	0.16
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG11	13	0.16
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG12	13	0.16
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG13	13	0.16
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG11	14	0.16
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG12	14	0.16
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG13	14	0.16
(1,3197)	2:201:B:MET:H	2:201:B:MET:HB2	1	0.16
(1,3197)	2:201:B:MET:H	2:201:B:MET:HB3	1	0.16
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	5	0.16
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	5	0.16
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	5	0.16
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	5	0.16
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	6	0.16
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	6	0.16
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	6	0.16
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	6	0.16
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	4	0.16
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	11	0.16
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	11	0.16
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	17	0.16
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	17	0.16
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	16	0.16
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	16	0.16
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	4	0.16
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	4	0.16
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	4	0.16
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	4	0.16
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	7	0.16
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	7	0.16
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	7	0.16
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	7	0.16
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	15	0.16
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	16	0.16
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	3	0.16
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB2	10	0.16
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB3	10	0.16
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB2	11	0.16
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB3	11	0.16
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	19	0.16
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	20	0.16
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	5	0.16
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	16	0.16
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	8	0.16
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	14	0.16
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	17	0.16
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	20	0.16
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	6	0.16
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	9	0.16
(1,3066)	1:76:A:MET:HG2	1:77:A:LYS:H	19	0.16
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	3	0.16
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	11	0.16
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	13	0.16
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	4	0.16
(1,3020)	1:145:A:MET:HE1	1:144:A:MET:HG2	4	0.16
(1,3020)	1:145:A:MET:HE2	1:144:A:MET:HG2	4	0.16
(1,3020)	1:145:A:MET:HE3	1:144:A:MET:HG2	4	0.16
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	15	0.16
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	15	0.16
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	5	0.16
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	5	0.16
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	5	0.16
(1,3008)	1:144:A:MET:HE1	1:128:A:ALA:HA	15	0.16
(1,3008)	1:144:A:MET:HE2	1:128:A:ALA:HA	15	0.16
(1,3008)	1:144:A:MET:HE3	1:128:A:ALA:HA	15	0.16
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	4	0.16
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	4	0.16
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	4	0.16
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	13	0.16
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	13	0.16
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	13	0.16
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	4	0.16
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	4	0.16
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	4	0.16
(1,2997)	1:142:A:VAL:HG11	1:143:A:GLN:H	10	0.16
(1,2997)	1:142:A:VAL:HG12	1:143:A:GLN:H	10	0.16
(1,2997)	1:142:A:VAL:HG13	1:143:A:GLN:H	10	0.16
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	16	0.16
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	16	0.16
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	16	0.16
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	2	0.16
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	2	0.16
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	2	0.16
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	3	0.16
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	3	0.16
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	3	0.16
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	19	0.16
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	19	0.16
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	19	0.16
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	3	0.16
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	3	0.16
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	3	0.16
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	3	0.16
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	3	0.16
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	3	0.16
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	18	0.16
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	18	0.16
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	18	0.16
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	18	0.16
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	18	0.16
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	2	0.16
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	2	0.16
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	2	0.16
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	6	0.16
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	6	0.16
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	6	0.16
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	8	0.16
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	8	0.16
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	8	0.16
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	20	0.16
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	20	0.16
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	20	0.16
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	5	0.16
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	5	0.16
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	5	0.16
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	6	0.16
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	6	0.16
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	6	0.16
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	20	0.16
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	20	0.16
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	20	0.16
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	5	0.16
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	5	0.16
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	5	0.16
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	5	0.16
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	5	0.16
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	5	0.16
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	5	0.16
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	5	0.16
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	5	0.16
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	1	0.16
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	1	0.16
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	1	0.16
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	4	0.16
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	4	0.16
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	4	0.16
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	1	0.16
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	1	0.16
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	1	0.16
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	3	0.16
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	3	0.16
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	13	0.16
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	13	0.16
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	13	0.16
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	14	0.16
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	14	0.16
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	14	0.16
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	17	0.16
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	17	0.16
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	17	0.16
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	11	0.16
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	11	0.16
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	11	0.16
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	9	0.16
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	9	0.16
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	9	0.16
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE1	9	0.16
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE2	9	0.16
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE3	9	0.16
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE1	9	0.16
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE2	9	0.16
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE3	9	0.16
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE1	9	0.16
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE2	9	0.16
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE3	9	0.16
(1,2873)	1:110:A:THR:HG21	1:110:A:THR:HA	3	0.16
(1,2873)	1:110:A:THR:HG22	1:110:A:THR:HA	3	0.16
(1,2873)	1:110:A:THR:HG23	1:110:A:THR:HA	3	0.16
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	8	0.16
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	8	0.16
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	8	0.16
(1,2863)	1:108:A:VAL:HG21	1:108:A:VAL:H	17	0.16
(1,2863)	1:108:A:VAL:HG22	1:108:A:VAL:H	17	0.16
(1,2863)	1:108:A:VAL:HG23	1:108:A:VAL:H	17	0.16
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	3	0.16
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	3	0.16
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	3	0.16
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	6	0.16
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	6	0.16
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	6	0.16
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	8	0.16
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	8	0.16
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	6	0.16
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	6	0.16
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	6	0.16
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	6	0.16
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	6	0.16
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	6	0.16
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	6	0.16
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	6	0.16
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	6	0.16
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	6	0.16
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	6	0.16
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	6	0.16
(1,2830)	1:103:A:ALA:HB1	1:104:A:GLU:H	2	0.16
(1,2830)	1:103:A:ALA:HB2	1:104:A:GLU:H	2	0.16
(1,2830)	1:103:A:ALA:HB3	1:104:A:GLU:H	2	0.16
(1,2830)	1:103:A:ALA:HB1	1:104:A:GLU:H	3	0.16
(1,2830)	1:103:A:ALA:HB2	1:104:A:GLU:H	3	0.16
(1,2830)	1:103:A:ALA:HB3	1:104:A:GLU:H	3	0.16
(1,2830)	1:103:A:ALA:HB1	1:104:A:GLU:H	15	0.16
(1,2830)	1:103:A:ALA:HB2	1:104:A:GLU:H	15	0.16
(1,2830)	1:103:A:ALA:HB3	1:104:A:GLU:H	15	0.16
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	13	0.16
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	13	0.16
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	13	0.16
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	13	0.16
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	13	0.16
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	13	0.16
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	16	0.16
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	16	0.16
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	16	0.16
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	16	0.16
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	16	0.16
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	16	0.16
(1,2808)	1:100:A:ILE:HG23	1:104:A:GLU:HB2	15	0.16
(1,2806)	1:100:A:ILE:HG22	1:92:A:PHE:HE1	12	0.16
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	20	0.16
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	20	0.16
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	20	0.16
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	4	0.16
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	4	0.16
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	4	0.16
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	4	0.16
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	4	0.16
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	4	0.16
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	4	0.16
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	4	0.16
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	9	0.16
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	9	0.16
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	9	0.16
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	9	0.16
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	9	0.16
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	9	0.16
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	9	0.16
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	9	0.16
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	9	0.16
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	3	0.16
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	3	0.16
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	3	0.16
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	15	0.16
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	15	0.16
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	15	0.16
(1,2771)	1:85:A:ILE:HG21	1:142:A:VAL:HA	13	0.16
(1,2771)	1:85:A:ILE:HG22	1:142:A:VAL:HA	13	0.16
(1,2771)	1:85:A:ILE:HG23	1:142:A:VAL:HA	13	0.16
(1,2764)	1:76:A:MET:HE1	1:76:A:MET:HA	16	0.16
(1,2764)	1:76:A:MET:HE2	1:76:A:MET:HA	16	0.16
(1,2764)	1:76:A:MET:HE3	1:76:A:MET:HA	16	0.16
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	1	0.16
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	1	0.16
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	1	0.16
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	5	0.16
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	5	0.16
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	5	0.16
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	7	0.16
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	7	0.16
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	7	0.16
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	8	0.16
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	8	0.16
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	8	0.16
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	19	0.16
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	19	0.16
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	19	0.16
(1,2718)	1:69:A:LEU:HD21	1:69:A:LEU:HB3	20	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2718)	1:69:A:LEU:HD22	1:69:A:LEU:HB3	20	0.16
(1,2718)	1:69:A:LEU:HD23	1:69:A:LEU:HB3	20	0.16
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	8	0.16
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	8	0.16
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	8	0.16
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	9	0.16
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	9	0.16
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	9	0.16
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	13	0.16
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	13	0.16
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	13	0.16
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	17	0.16
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	17	0.16
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	17	0.16
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	6	0.16
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	6	0.16
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	6	0.16
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	6	0.16
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	6	0.16
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	6	0.16
(1,2692)	1:63:A:ILE:HG21	1:68:A:PHE:HD1	7	0.16
(1,2692)	1:63:A:ILE:HG21	1:68:A:PHE:HD2	7	0.16
(1,2692)	1:63:A:ILE:HG22	1:68:A:PHE:HD1	7	0.16
(1,2692)	1:63:A:ILE:HG22	1:68:A:PHE:HD2	7	0.16
(1,2692)	1:63:A:ILE:HG23	1:68:A:PHE:HD1	7	0.16
(1,2692)	1:63:A:ILE:HG23	1:68:A:PHE:HD2	7	0.16
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	5	0.16
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	5	0.16
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	5	0.16
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	7	0.16
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	7	0.16
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	7	0.16
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	8	0.16
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	8	0.16
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	8	0.16
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	11	0.16
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	11	0.16
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	11	0.16
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	12	0.16
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	12	0.16
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	12	0.16
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	13	0.16
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	13	0.16
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	17	0.16
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	17	0.16
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	17	0.16
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	11	0.16
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	11	0.16
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	11	0.16
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	20	0.16
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	20	0.16
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	20	0.16
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	19	0.16
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	19	0.16
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	19	0.16
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	2	0.16
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	2	0.16
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	2	0.16
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	3	0.16
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	3	0.16
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	3	0.16
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	4	0.16
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	4	0.16
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	4	0.16
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	10	0.16
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	10	0.16
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	10	0.16
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	14	0.16
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	14	0.16
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	14	0.16
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	15	0.16
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	15	0.16
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	15	0.16
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	18	0.16
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	18	0.16
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	18	0.16
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	19	0.16
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	19	0.16
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	19	0.16
(1,2657)	1:55:A:VAL:HG23	1:63:A:ILE:HG21	3	0.16
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	12	0.16
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	12	0.16
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	19	0.16
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	19	0.16
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	19	0.16
(1,2630)	1:51:A:MET:HE1	1:48:A:LEU:HD21	8	0.16
(1,2627)	1:51:A:MET:HE1	1:51:A:MET:HG2	16	0.16
(1,2627)	1:51:A:MET:HE2	1:51:A:MET:HG2	16	0.16
(1,2627)	1:51:A:MET:HE3	1:51:A:MET:HG2	16	0.16
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	11	0.16
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	11	0.16
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	11	0.16
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	13	0.16
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	13	0.16
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	13	0.16
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	16	0.16
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	16	0.16
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	16	0.16
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	6	0.16
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	6	0.16
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	6	0.16
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	6	0.16
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	6	0.16
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	6	0.16
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	11	0.16
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	11	0.16
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	11	0.16
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	11	0.16
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	11	0.16
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	11	0.16
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	14	0.16
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	14	0.16
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	14	0.16
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	14	0.16
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	14	0.16
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	14	0.16
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	20	0.16
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	20	0.16
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	20	0.16
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	20	0.16
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	20	0.16
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	20	0.16
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	18	0.16
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	18	0.16
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	7	0.16
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	7	0.16
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	7	0.16
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	10	0.16
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	10	0.16
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	10	0.16
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	11	0.16
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	11	0.16
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	11	0.16
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	15	0.16
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	15	0.16
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	15	0.16
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	17	0.16
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	17	0.16
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	17	0.16
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	7	0.16
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	7	0.16
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	7	0.16
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	10	0.16
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	10	0.16
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	10	0.16
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	15	0.16
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	15	0.16
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	15	0.16
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	7	0.16
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	7	0.16
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	7	0.16
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	9	0.16
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	9	0.16
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	9	0.16
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	12	0.16
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	12	0.16
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	12	0.16
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	20	0.16
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	20	0.16
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	20	0.16
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	6	0.16
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	6	0.16
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	6	0.16
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	7	0.16
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	7	0.16
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	11	0.16
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	11	0.16
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	11	0.16
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	18	0.16
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	18	0.16
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	18	0.16
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	6	0.16
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	6	0.16
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	6	0.16
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	5	0.16
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	5	0.16
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	5	0.16
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	10	0.16
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	10	0.16
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	10	0.16
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	11	0.16
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	11	0.16
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	11	0.16
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	13	0.16
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	13	0.16
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	13	0.16
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	18	0.16
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	18	0.16
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	18	0.16
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	5	0.16
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	5	0.16
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	5	0.16
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	7	0.16
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	7	0.16
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	7	0.16
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	10	0.16
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	10	0.16
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	10	0.16
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	12	0.16
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	12	0.16
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	12	0.16
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	13	0.16
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	13	0.16
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	13	0.16
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	14	0.16
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	14	0.16
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	18	0.16
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	18	0.16
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	18	0.16
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	19	0.16
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	19	0.16
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	19	0.16
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	20	0.16
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	20	0.16
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	20	0.16
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	6	0.16
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	6	0.16
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	6	0.16
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	20	0.16
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	20	0.16
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	20	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	1	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	1	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	1	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	2	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	2	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	2	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	4	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	4	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	4	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	5	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	5	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	5	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	8	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	8	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	8	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	9	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	9	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	9	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	10	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	10	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	10	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	11	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	11	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	11	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	12	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	12	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	12	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	15	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	15	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	15	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	17	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	17	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	17	0.16
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	18	0.16
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	18	0.16
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	18	0.16
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	8	0.16
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	8	0.16
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	8	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	1	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	1	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	1	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	1	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	1	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	1	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	1	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	1	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	1	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	2	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	2	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	2	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	2	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	2	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	2	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	2	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	2	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	2	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	10	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	10	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	10	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	10	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	10	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	10	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	10	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	10	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	10	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	16	0.16
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	16	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	16	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	16	0.16
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	16	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	16	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	16	0.16
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	16	0.16
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	13	0.16
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	13	0.16
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	13	0.16
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	13	0.16
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	13	0.16
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	13	0.16
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	6	0.16
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	6	0.16
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	6	0.16
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	18	0.16
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	18	0.16
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	18	0.16
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	4	0.16
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	13	0.16
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD11	1	0.16
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD12	1	0.16
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD13	1	0.16
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD21	1	0.16
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD22	1	0.16
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD23	1	0.16
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	6	0.16
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	7	0.16
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	12	0.16
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	17	0.16
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	9	0.16
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	9	0.16
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	9	0.16
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	10	0.16
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	10	0.16
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	10	0.16
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG21	11	0.16
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG22	11	0.16
(1,2343)	1:146:A:THR:HA	1:146:A:THR:HG23	11	0.16
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE1	16	0.16
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE2	16	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE3	16	0.16
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	2	0.16
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	2	0.16
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	13	0.16
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	13	0.16
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	2	0.16
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	6	0.16
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	9	0.16
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	14	0.16
(1,2303)	1:140:A:GLU:HA	1:140:A:GLU:HB3	17	0.16
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG2	15	0.16
(1,2298)	1:139:A:GLU:HA	1:139:A:GLU:HG3	15	0.16
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	10	0.16
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	7	0.16
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	12	0.16
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	14	0.16
(1,2238)	1:119:A:GLU:HA	1:119:A:GLU:HB3	18	0.16
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	16	0.16
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	16	0.16
(1,2179)	1:103:A:ALA:HA	1:106:A:ARG:HD2	15	0.16
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG11	11	0.16
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	6	0.16
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	3	0.16
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	4	0.16
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	16	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	1	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	1	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	6	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	6	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	10	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	10	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	12	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	12	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	13	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	13	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	18	0.16
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	18	0.16
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	7	0.16
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	16	0.16
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB2	3	0.16
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB3	3	0.16
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB2	10	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB3	10	0.16
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB2	15	0.16
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB3	15	0.16
(1,2078)	1:72:A:MET:HA	1:75:A:LYS:HB2	11	0.16
(1,2078)	1:72:A:MET:HA	1:75:A:LYS:HB3	11	0.16
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	2	0.16
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	4	0.16
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	9	0.16
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	1	0.16
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	1	0.16
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	1	0.16
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	2	0.16
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	3	0.16
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	3	0.16
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	13	0.16
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	18	0.16
(1,1983)	1:47:A:GLU:HA	1:50:A:ASP:HB3	11	0.16
(1,1983)	1:47:A:GLU:HA	1:50:A:ASP:HB3	20	0.16
(1,1966)	1:36:A:MET:HA	1:39:A:LEU:H	4	0.16
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	5	0.16
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	2	0.16
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	2	0.16
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	13	0.16
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	13	0.16
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	19	0.16
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	19	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	1	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	1	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	4	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	4	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	6	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	6	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	7	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	7	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	9	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	9	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	10	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	10	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	11	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	11	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	13	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	13	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	14	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	14	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	15	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	15	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	19	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	19	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	20	0.16
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	20	0.16
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	12	0.16
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	5	0.16
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	5	0.16
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	7	0.16
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	7	0.16
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	16	0.16
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	16	0.16
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG2	19	0.16
(1,1889)	1:14:A:GLU:HA	1:14:A:GLU:HG3	19	0.16
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	20	0.16
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	20	0.16
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	20	0.16
(1,1791)	1:135:A:GLN:HE22	1:134:A:GLY:HA2	9	0.16
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB2	14	0.16
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB3	14	0.16
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	7	0.16
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	10	0.16
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	11	0.16
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	12	0.16
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	15	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	1	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	1	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	7	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	7	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	10	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	10	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	15	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	15	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	17	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	17	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	18	0.16
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	18	0.16
(1,1733)	1:53:A:ASN:HD21	1:53:A:ASN:HB2	20	0.16
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	2	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	2	0.16
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	10	0.16
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	10	0.16
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	17	0.16
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	17	0.16
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	3	0.16
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	1	0.16
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	7	0.16
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	10	0.16
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	14	0.16
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	15	0.16
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	17	0.16
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	18	0.16
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG2	14	0.16
(1,1692)	1:41:A:GLN:HE21	1:41:A:GLN:HG3	14	0.16
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG21	6	0.16
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG22	6	0.16
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG23	6	0.16
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	6	0.16
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	10	0.16
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	12	0.16
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	14	0.16
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	15	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	1	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	1	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	5	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	5	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	13	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	13	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	15	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	15	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	20	0.16
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	20	0.16
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	8	0.16
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	8	0.16
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	16	0.16
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	16	0.16
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	10	0.16
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	11	0.16
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	14	0.16
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	18	0.16
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	6	0.16
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	11	0.16
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	13	0.16
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	18	0.16
(1,1493)	1:135:A:GLN:H	1:125:A:ILE:HG22	19	0.16
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	1	0.16
(1,1403)	1:128:A:ALA:H	1:127:A:GLU:HG3	15	0.16
(1,1382)	1:126:A:ARG:H	1:126:A:ARG:HG2	11	0.16
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	11	0.16
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	11	0.16
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	20	0.16
(1,1257)	1:115:A:LYS:H	1:114:A:GLU:HG2	8	0.16
(1,1181)	1:108:A:VAL:H	1:105:A:LEU:HA	1	0.16
(1,1181)	1:108:A:VAL:H	1:105:A:LEU:HA	2	0.16
(1,1155)	1:105:A:LEU:H	1:105:A:LEU:HD13	15	0.16
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	8	0.16
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	11	0.16
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	19	0.16
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	18	0.16
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	18	0.16
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	5	0.16
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	5	0.16
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	5	0.16
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	16	0.16
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	16	0.16
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	16	0.16
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	14	0.16
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	14	0.16
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	1	0.16
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	6	0.16
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	11	0.16
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	17	0.16
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	6	0.16
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	12	0.16
(1,858)	1:77:A:LYS:H	1:78:A:ASP:H	20	0.16
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	4	0.16
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	4	0.16
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	14	0.16
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	14	0.16
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	9	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	4	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	4	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	4	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	4	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	4	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	4	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	11	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	11	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	11	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	11	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	11	0.16
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	11	0.16
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	9	0.16
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	19	0.16
(1,774)	1:69:A:LEU:H	1:68:A:PHE:HB3	14	0.16
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD1	18	0.16
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD2	18	0.16
(1,759)	1:68:A:PHE:H	1:67:A:GLU:HA	12	0.16
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	14	0.16
(1,711)	1:64:A:ASP:H	1:67:A:GLU:HB3	19	0.16
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	11	0.16
(1,695)	1:63:A:ILE:H	1:16:A:PHE:HZ	17	0.16
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	3	0.16
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	9	0.16
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	18	0.16
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	5	0.16
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	15	0.16
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	16	0.16
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	20	0.16
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	20	0.16
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	7	0.16
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	20	0.16
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	1	0.16
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	3	0.16
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	4	0.16
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	13	0.16
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	17	0.16
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	6	0.16
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	6	0.16
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	6	0.16
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	14	0.16
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	14	0.16
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	14	0.16
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	15	0.16
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	15	0.16
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	2	0.16
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	3	0.16
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	11	0.16
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	13	0.16
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	1	0.16
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	5	0.16
(1,411)	1:36:A:MET:H	1:36:A:MET:HG3	8	0.16
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	14	0.16
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	1	0.16
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	1	0.16
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	1	0.16
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	1	0.16
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	1	0.16
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	1	0.16
(1,313)	1:28:A:THR:H	1:31:A:GLU:HB3	3	0.16
(1,313)	1:28:A:THR:H	1:31:A:GLU:HB3	12	0.16
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	6	0.16
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	6	0.16
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	9	0.16
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	9	0.16
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	15	0.16
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	15	0.16
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	17	0.16
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	17	0.16
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	7	0.16
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	6	0.16
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	7	0.16
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	9	0.16
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	20	0.16
(1,64)	1:8:A:GLN:H	1:8:A:GLN:HE21	3	0.16
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	9	0.16
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	9	0.16
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	11	0.16
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	11	0.16
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	17	0.16
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	17	0.16
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG2	18	0.16
(1,32)	1:6:A:GLU:H	1:6:A:GLU:HG3	18	0.16
(1,13)	1:5:A:THR:H	1:9:A:ILE:HG12	5	0.16
(1,13)	1:5:A:THR:H	1:9:A:ILE:HG12	14	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1)	1:3:A:GLN:H	1:2:A:ASP:HB3	15	0.16
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	3	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	3	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	3	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	3	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	3	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	3	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	3	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	3	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	3	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	3	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	3	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	3	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	3	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	3	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	3	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	3	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	3	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	3	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	7	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	7	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	7	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	7	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	7	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	7	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	7	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	7	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	7	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	7	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	7	0.15
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	7	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	7	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	7	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	7	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	7	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	7	0.15
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	7	0.15
(1,3437)	1:39:A:LEU:HD23	1:91:A:VAL:HG11	1	0.15
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	15	0.15
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	15	0.15
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	15	0.15
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	15	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	15	0.15
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	15	0.15
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	15	0.15
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	15	0.15
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	15	0.15
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	18	0.15
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	18	0.15
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	18	0.15
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	20	0.15
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	20	0.15
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	20	0.15
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	3	0.15
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	3	0.15
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	3	0.15
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	3	0.15
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	3	0.15
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	3	0.15
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	6	0.15
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	6	0.15
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	6	0.15
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	13	0.15
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	13	0.15
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	13	0.15
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	17	0.15
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	17	0.15
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	17	0.15
(1,3385)	2:208:B:LEU:HB2	2:209:B:SER:H	10	0.15
(1,3385)	2:208:B:LEU:HB3	2:209:B:SER:H	10	0.15
(1,3384)	2:208:B:LEU:HB2	2:205:B:MET:HA	13	0.15
(1,3384)	2:208:B:LEU:HB3	2:205:B:MET:HA	13	0.15
(1,3377)	2:208:B:LEU:HD22	2:204:B:PHE:HE1	19	0.15
(1,3375)	2:208:B:LEU:HD11	2:208:B:LEU:HA	5	0.15
(1,3375)	2:208:B:LEU:HD12	2:208:B:LEU:HA	5	0.15
(1,3375)	2:208:B:LEU:HD13	2:208:B:LEU:HA	5	0.15
(1,3369)	2:208:B:LEU:HG	2:208:B:LEU:HA	19	0.15
(1,3367)	2:205:B:MET:HE3	1:68:A:PHE:HE1	7	0.15
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE1	15	0.15
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE2	15	0.15
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE3	15	0.15
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	12	0.15
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	12	0.15
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	14	0.15
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	4	0.15
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	4	0.15
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	4	0.15
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	11	0.15
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	11	0.15
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	11	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	5	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	5	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	5	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	5	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	5	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	5	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	8	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	8	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	8	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	8	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	8	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	8	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	10	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	10	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	10	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	10	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	10	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	10	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	17	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	17	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	17	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	17	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	17	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	17	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	18	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	18	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	18	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	18	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	18	0.15
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	18	0.15
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	19	0.15
(1,3276)	2:201:B:MET:HA	2:204:B:PHE:HB2	9	0.15
(1,3276)	2:201:B:MET:HA	2:204:B:PHE:HB3	9	0.15
(1,3273)	2:219:B:ALA:H	2:219:B:ALA:HA	2	0.15
(1,3273)	2:219:B:ALA:H	2:219:B:ALA:HA	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3273)	2:219:B:ALA:H	2:219:B:ALA:HA	11	0.15
(1,3273)	2:219:B:ALA:H	2:219:B:ALA:HA	19	0.15
(1,3256)	2:215:B:VAL:H	2:216:B:VAL:H	14	0.15
(1,3256)	2:215:B:VAL:H	2:216:B:VAL:H	20	0.15
(1,3218)	2:204:B:PHE:H	1:36:A:MET:HE1	19	0.15
(1,3218)	2:204:B:PHE:H	1:36:A:MET:HE2	19	0.15
(1,3218)	2:204:B:PHE:H	1:36:A:MET:HE3	19	0.15
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	13	0.15
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	20	0.15
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	9	0.15
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	11	0.15
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	14	0.15
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	1	0.15
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	1	0.15
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	1	0.15
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	1	0.15
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	9	0.15
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	10	0.15
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	10	0.15
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	4	0.15
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	4	0.15
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	2	0.15
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	2	0.15
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	4	0.15
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	4	0.15
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	5	0.15
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	5	0.15
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	19	0.15
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	19	0.15
(1,3157)	1:99:A:TYR:HD1	1:138:A:TYR:H	18	0.15
(1,3157)	1:99:A:TYR:HD2	1:138:A:TYR:H	18	0.15
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	5	0.15
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	5	0.15
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	5	0.15
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	5	0.15
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	16	0.15
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	16	0.15
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	16	0.15
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	16	0.15
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	4	0.15
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	5	0.15
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	1	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	1	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	1	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	1	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	1	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	1	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	6	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	6	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	6	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	6	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	6	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	6	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	9	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	9	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	9	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	9	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	9	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	9	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	10	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	10	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	10	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	10	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	10	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	10	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	17	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	17	0.15
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	17	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	17	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	17	0.15
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	17	0.15
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD11	10	0.15
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD12	10	0.15
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD13	10	0.15
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD11	10	0.15
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD12	10	0.15
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD13	10	0.15
(1,3109)	1:145:A:MET:HG2	1:146:A:THR:H	19	0.15
(1,3109)	1:145:A:MET:HG3	1:146:A:THR:H	19	0.15
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB2	4	0.15
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB3	4	0.15
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB2	13	0.15
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB3	13	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB2	16	0.15
(1,3094)	1:144:A:MET:HG3	1:144:A:MET:HB3	16	0.15
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	7	0.15
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	13	0.15
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	1	0.15
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	19	0.15
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	3	0.15
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	4	0.15
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	4	0.15
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	4	0.15
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	9	0.15
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	9	0.15
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	9	0.15
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	9	0.15
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	9	0.15
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	9	0.15
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	13	0.15
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	13	0.15
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	13	0.15
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	13	0.15
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	13	0.15
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	13	0.15
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	1	0.15
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	1	0.15
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	1	0.15
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB2	15	0.15
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB3	15	0.15
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB2	15	0.15
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB3	15	0.15
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB2	15	0.15
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB3	15	0.15
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	16	0.15
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	16	0.15
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	16	0.15
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	7	0.15
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	7	0.15
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	7	0.15
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	2	0.15
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	2	0.15
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	2	0.15
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	10	0.15
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	10	0.15
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	16	0.15
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	16	0.15
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	16	0.15
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	12	0.15
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	12	0.15
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	12	0.15
(1,2981)	1:136:A:VAL:HG11	1:136:A:VAL:HA	18	0.15
(1,2981)	1:136:A:VAL:HG12	1:136:A:VAL:HA	18	0.15
(1,2981)	1:136:A:VAL:HG13	1:136:A:VAL:HA	18	0.15
(1,2978)	1:136:A:VAL:HG21	1:100:A:ILE:HG13	5	0.15
(1,2978)	1:136:A:VAL:HG22	1:100:A:ILE:HG13	5	0.15
(1,2978)	1:136:A:VAL:HG23	1:100:A:ILE:HG13	5	0.15
(1,2974)	1:136:A:VAL:HG21	1:100:A:ILE:HB	12	0.15
(1,2974)	1:136:A:VAL:HG22	1:100:A:ILE:HB	12	0.15
(1,2974)	1:136:A:VAL:HG23	1:100:A:ILE:HB	12	0.15
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	8	0.15
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	8	0.15
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	8	0.15
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	8	0.15
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	8	0.15
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	8	0.15
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	19	0.15
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	19	0.15
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	19	0.15
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	2	0.15
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	2	0.15
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	2	0.15
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	7	0.15
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	7	0.15
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	7	0.15
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	11	0.15
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	11	0.15
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	11	0.15
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	15	0.15
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	15	0.15
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	15	0.15
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE1	3	0.15
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE2	3	0.15
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE3	3	0.15
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE1	3	0.15
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE2	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE3	3	0.15
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE1	3	0.15
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE2	3	0.15
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE3	3	0.15
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE1	18	0.15
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE2	18	0.15
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE3	18	0.15
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE1	18	0.15
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE2	18	0.15
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE3	18	0.15
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE1	18	0.15
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE2	18	0.15
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE3	18	0.15
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	9	0.15
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	9	0.15
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	9	0.15
(1,2939)	1:128:A:ALA:HB1	1:128:A:ALA:H	2	0.15
(1,2939)	1:128:A:ALA:HB2	1:128:A:ALA:H	2	0.15
(1,2939)	1:128:A:ALA:HB3	1:128:A:ALA:H	2	0.15
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	3	0.15
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	3	0.15
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	3	0.15
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	3	0.15
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	3	0.15
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	3	0.15
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	3	0.15
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	3	0.15
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	3	0.15
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	4	0.15
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	4	0.15
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	4	0.15
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	4	0.15
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	4	0.15
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	4	0.15
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	4	0.15
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	4	0.15
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	4	0.15
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	6	0.15
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	6	0.15
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	6	0.15
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	10	0.15
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	10	0.15
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	14	0.15
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	14	0.15
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	14	0.15
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	20	0.15
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	20	0.15
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	20	0.15
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	6	0.15
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	6	0.15
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	6	0.15
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	10	0.15
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	10	0.15
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	10	0.15
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	14	0.15
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	14	0.15
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	14	0.15
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	20	0.15
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	20	0.15
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	20	0.15
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	6	0.15
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	6	0.15
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	6	0.15
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	19	0.15
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	19	0.15
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	19	0.15
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	7	0.15
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	7	0.15
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	7	0.15
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	10	0.15
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	10	0.15
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	10	0.15
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	13	0.15
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	13	0.15
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	13	0.15
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	18	0.15
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	18	0.15
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	18	0.15
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	19	0.15
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	19	0.15
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	19	0.15
(1,2886)	1:116:A:LEU:HD21	1:116:A:LEU:HB3	5	0.15
(1,2886)	1:116:A:LEU:HD22	1:116:A:LEU:HB3	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2886)	1:116:A:LEU:HD23	1:116:A:LEU:HB3	5	0.15
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	4	0.15
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	4	0.15
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	4	0.15
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	8	0.15
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	8	0.15
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	8	0.15
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	12	0.15
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	12	0.15
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	12	0.15
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	19	0.15
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	19	0.15
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	19	0.15
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	20	0.15
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	20	0.15
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	20	0.15
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE1	5	0.15
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE2	5	0.15
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE3	5	0.15
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE1	5	0.15
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE2	5	0.15
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE3	5	0.15
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE1	5	0.15
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE2	5	0.15
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE3	5	0.15
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	8	0.15
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	8	0.15
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	8	0.15
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	18	0.15
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	18	0.15
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	18	0.15
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	19	0.15
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	19	0.15
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	19	0.15
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	10	0.15
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	10	0.15
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	10	0.15
(1,2872)	1:110:A:THR:HG21	1:111:A:ASN:H	20	0.15
(1,2872)	1:110:A:THR:HG22	1:111:A:ASN:H	20	0.15
(1,2872)	1:110:A:THR:HG23	1:111:A:ASN:H	20	0.15
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	10	0.15
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	10	0.15
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	11	0.15
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	11	0.15
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	11	0.15
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	19	0.15
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	19	0.15
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	19	0.15
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	20	0.15
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	20	0.15
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	20	0.15
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	20	0.15
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	20	0.15
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	20	0.15
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	20	0.15
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	20	0.15
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	20	0.15
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	10	0.15
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	10	0.15
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	10	0.15
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	11	0.15
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	11	0.15
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	11	0.15
(1,2834)	1:105:A:LEU:HD11	1:124:A:MET:HB2	10	0.15
(1,2834)	1:105:A:LEU:HD12	1:124:A:MET:HB2	10	0.15
(1,2834)	1:105:A:LEU:HD13	1:124:A:MET:HB2	10	0.15
(1,2834)	1:105:A:LEU:HD11	1:124:A:MET:HB2	11	0.15
(1,2834)	1:105:A:LEU:HD12	1:124:A:MET:HB2	11	0.15
(1,2834)	1:105:A:LEU:HD13	1:124:A:MET:HB2	11	0.15
(1,2830)	1:103:A:ALA:HB1	1:104:A:GLU:H	1	0.15
(1,2830)	1:103:A:ALA:HB2	1:104:A:GLU:H	1	0.15
(1,2830)	1:103:A:ALA:HB3	1:104:A:GLU:H	1	0.15
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD1	6	0.15
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD2	6	0.15
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD1	6	0.15
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD2	6	0.15
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD1	6	0.15
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD2	6	0.15
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	7	0.15
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	7	0.15
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	7	0.15
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	7	0.15
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	7	0.15
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	12	0.15
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	12	0.15
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	12	0.15
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	12	0.15
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	12	0.15
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	12	0.15
(1,2806)	1:100:A:ILE:HG23	1:92:A:PHE:HE1	10	0.15
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	8	0.15
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	8	0.15
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	8	0.15
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	19	0.15
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	19	0.15
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	19	0.15
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	6	0.15
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	6	0.15
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	6	0.15
(1,2790)	1:88:A:ALA:HB1	1:88:A:ALA:H	13	0.15
(1,2790)	1:88:A:ALA:HB2	1:88:A:ALA:H	13	0.15
(1,2790)	1:88:A:ALA:HB3	1:88:A:ALA:H	13	0.15
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	11	0.15
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	11	0.15
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	11	0.15
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	18	0.15
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	18	0.15
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	18	0.15
(1,2784)	1:85:A:ILE:HD11	1:85:A:ILE:HB	9	0.15
(1,2784)	1:85:A:ILE:HD12	1:85:A:ILE:HB	9	0.15
(1,2784)	1:85:A:ILE:HD13	1:85:A:ILE:HB	9	0.15
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	18	0.15
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	18	0.15
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	18	0.15
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	1	0.15
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	1	0.15
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	1	0.15
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	5	0.15
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	5	0.15
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	5	0.15
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	5	0.15
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	5	0.15
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	5	0.15
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	8	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	8	0.15
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	8	0.15
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	17	0.15
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	17	0.15
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	17	0.15
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD21	11	0.15
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD22	11	0.15
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD23	11	0.15
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD21	11	0.15
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD22	11	0.15
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD23	11	0.15
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD21	11	0.15
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD22	11	0.15
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD23	11	0.15
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	16	0.15
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	16	0.15
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	16	0.15
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	18	0.15
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	18	0.15
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	18	0.15
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	19	0.15
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	19	0.15
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	19	0.15
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD11	3	0.15
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD12	3	0.15
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD13	3	0.15
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD21	3	0.15
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD22	3	0.15
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD23	3	0.15
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD11	3	0.15
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD12	3	0.15
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD13	3	0.15
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD21	3	0.15
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD22	3	0.15
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD23	3	0.15
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD11	3	0.15
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD12	3	0.15
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD13	3	0.15
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD21	3	0.15
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD22	3	0.15
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD23	3	0.15
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	7	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	7	0.15
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	7	0.15
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	7	0.15
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	7	0.15
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	7	0.15
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	9	0.15
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	9	0.15
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	9	0.15
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	9	0.15
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	9	0.15
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	9	0.15
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	20	0.15
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	20	0.15
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	20	0.15
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	20	0.15
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	20	0.15
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	20	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	2	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	2	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	2	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	3	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	3	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	3	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	4	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	4	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	4	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	6	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	6	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	6	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	9	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	9	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	9	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	11	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	11	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	11	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	13	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	13	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	13	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	16	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	16	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	16	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	17	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	17	0.15
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	20	0.15
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	20	0.15
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	20	0.15
(1,2716)	1:69:A:LEU:HD21	1:12:A:PHE:HB2	12	0.15
(1,2716)	1:69:A:LEU:HD21	1:12:A:PHE:HB3	12	0.15
(1,2716)	1:69:A:LEU:HD22	1:12:A:PHE:HB2	12	0.15
(1,2716)	1:69:A:LEU:HD22	1:12:A:PHE:HB3	12	0.15
(1,2716)	1:69:A:LEU:HD23	1:12:A:PHE:HB2	12	0.15
(1,2716)	1:69:A:LEU:HD23	1:12:A:PHE:HB3	12	0.15
(1,2707)	1:63:A:ILE:HD11	1:52:A:ILE:H	8	0.15
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	2	0.15
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	2	0.15
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	2	0.15
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	6	0.15
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	6	0.15
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	6	0.15
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	5	0.15
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	5	0.15
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	5	0.15
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	5	0.15
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	5	0.15
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	5	0.15
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	16	0.15
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	16	0.15
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	16	0.15
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	16	0.15
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	16	0.15
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	16	0.15
(1,2693)	1:63:A:ILE:HG21	1:67:A:GLU:HB3	6	0.15
(1,2693)	1:63:A:ILE:HG22	1:67:A:GLU:HB3	6	0.15
(1,2693)	1:63:A:ILE:HG23	1:67:A:GLU:HB3	6	0.15
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	10	0.15
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	10	0.15
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	10	0.15
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	14	0.15
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	14	0.15
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	14	0.15
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	19	0.15
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	19	0.15
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	19	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2677)	1:55:A:VAL:HG12	1:68:A:PHE:HD1	18	0.15
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	1	0.15
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	1	0.15
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	1	0.15
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	12	0.15
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	12	0.15
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	12	0.15
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	12	0.15
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	12	0.15
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	12	0.15
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	12	0.15
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	12	0.15
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	12	0.15
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	3	0.15
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	3	0.15
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	3	0.15
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	9	0.15
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	9	0.15
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	9	0.15
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	18	0.15
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	18	0.15
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	18	0.15
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	11	0.15
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	11	0.15
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	11	0.15
(1,2659)	1:55:A:VAL:HG21	1:55:A:VAL:HA	9	0.15
(1,2659)	1:55:A:VAL:HG22	1:55:A:VAL:HA	9	0.15
(1,2659)	1:55:A:VAL:HG23	1:55:A:VAL:HA	9	0.15
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	18	0.15
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	18	0.15
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	18	0.15
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	18	0.15
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	18	0.15
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	18	0.15
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	18	0.15
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	18	0.15
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	18	0.15
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	14	0.15
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	14	0.15
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	14	0.15
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	2	0.15
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	2	0.15
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	10	0.15
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	10	0.15
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	10	0.15
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	16	0.15
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	16	0.15
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	16	0.15
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	4	0.15
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	4	0.15
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	4	0.15
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	10	0.15
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	10	0.15
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	10	0.15
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	15	0.15
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	15	0.15
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	15	0.15
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	4	0.15
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	4	0.15
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	4	0.15
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	4	0.15
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	4	0.15
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	4	0.15
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	4	0.15
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	4	0.15
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	4	0.15
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	15	0.15
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	15	0.15
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	15	0.15
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	15	0.15
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	15	0.15
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	15	0.15
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB2	17	0.15
(1,2599)	1:39:A:LEU:HD11	1:39:A:LEU:HB3	17	0.15
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB2	17	0.15
(1,2599)	1:39:A:LEU:HD12	1:39:A:LEU:HB3	17	0.15
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB2	17	0.15
(1,2599)	1:39:A:LEU:HD13	1:39:A:LEU:HB3	17	0.15
(1,2589)	1:35:A:VAL:HG21	1:19:A:PHE:HA	16	0.15
(1,2589)	1:35:A:VAL:HG22	1:19:A:PHE:HA	16	0.15
(1,2589)	1:35:A:VAL:HG23	1:19:A:PHE:HA	16	0.15
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	1	0.15
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	1	0.15
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	8	0.15
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	8	0.15
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	8	0.15
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	9	0.15
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	9	0.15
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	9	0.15
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	1	0.15
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	1	0.15
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	1	0.15
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	3	0.15
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	3	0.15
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	3	0.15
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	5	0.15
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	5	0.15
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	5	0.15
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	6	0.15
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	6	0.15
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	6	0.15
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	8	0.15
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	8	0.15
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	8	0.15
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	19	0.15
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	19	0.15
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	19	0.15
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	12	0.15
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	12	0.15
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	12	0.15
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	15	0.15
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	15	0.15
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	15	0.15
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	19	0.15
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	19	0.15
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	19	0.15
(1,2557)	1:29:A:THR:HG21	1:52:A:ILE:HB	13	0.15
(1,2557)	1:29:A:THR:HG22	1:52:A:ILE:HB	13	0.15
(1,2557)	1:29:A:THR:HG23	1:52:A:ILE:HB	13	0.15
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	11	0.15
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	11	0.15
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	11	0.15
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	17	0.15
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	17	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	17	0.15
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	1	0.15
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	1	0.15
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	1	0.15
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	3	0.15
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	3	0.15
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	3	0.15
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	4	0.15
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	4	0.15
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	4	0.15
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	8	0.15
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	8	0.15
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	8	0.15
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	10	0.15
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	10	0.15
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	10	0.15
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	13	0.15
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	13	0.15
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	13	0.15
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	16	0.15
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	16	0.15
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	16	0.15
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	19	0.15
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	19	0.15
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	19	0.15
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	2	0.15
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	2	0.15
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	2	0.15
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	5	0.15
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	5	0.15
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	5	0.15
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	9	0.15
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	9	0.15
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	9	0.15
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	8	0.15
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	8	0.15
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	8	0.15
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	18	0.15
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	18	0.15
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	18	0.15
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	3	0.15
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	3	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	3	0.15
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	3	0.15
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	3	0.15
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	3	0.15
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	3	0.15
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	3	0.15
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	3	0.15
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	4	0.15
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	4	0.15
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	4	0.15
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	4	0.15
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	4	0.15
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	4	0.15
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	4	0.15
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	4	0.15
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	4	0.15
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	1	0.15
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	1	0.15
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	1	0.15
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	4	0.15
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	4	0.15
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	4	0.15
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	7	0.15
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	7	0.15
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	7	0.15
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	9	0.15
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	9	0.15
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	9	0.15
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	15	0.15
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	15	0.15
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	15	0.15
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	16	0.15
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	16	0.15
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	16	0.15
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	17	0.15
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	17	0.15
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	17	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	1	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	1	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	1	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	2	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	2	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	3	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	3	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	3	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	4	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	4	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	4	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	6	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	6	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	6	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	8	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	8	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	8	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	9	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	9	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	9	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	11	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	11	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	11	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	15	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	15	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	15	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	16	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	16	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	16	0.15
(1,2513)	1:18:A:LEU:HD21	1:18:A:LEU:HB3	17	0.15
(1,2513)	1:18:A:LEU:HD22	1:18:A:LEU:HB3	17	0.15
(1,2513)	1:18:A:LEU:HD23	1:18:A:LEU:HB3	17	0.15
(1,2492)	1:10:A:ALA:HB1	1:7:A:GLU:HG3	3	0.15
(1,2492)	1:10:A:ALA:HB2	1:7:A:GLU:HG3	3	0.15
(1,2492)	1:10:A:ALA:HB3	1:7:A:GLU:HG3	3	0.15
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	12	0.15
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	12	0.15
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	12	0.15
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	6	0.15
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	6	0.15
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	6	0.15
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	13	0.15
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	13	0.15
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	13	0.15
(1,2489)	1:10:A:ALA:HB1	1:10:A:ALA:H	20	0.15
(1,2489)	1:10:A:ALA:HB2	1:10:A:ALA:H	20	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2489)	1:10:A:ALA:HB3	1:10:A:ALA:H	20	0.15
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	11	0.15
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	11	0.15
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	11	0.15
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	11	0.15
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	11	0.15
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	11	0.15
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	11	0.15
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	11	0.15
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	11	0.15
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	6	0.15
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	6	0.15
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	6	0.15
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	9	0.15
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	9	0.15
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	9	0.15
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	20	0.15
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	20	0.15
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	20	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	3	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	3	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	3	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	3	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	3	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	3	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	3	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	3	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	3	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	8	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	8	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	8	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	8	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	8	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	8	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	8	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	8	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	8	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	18	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	18	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	18	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	18	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	18	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	18	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	18	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	18	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	19	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	19	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	19	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	19	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	19	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	19	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	19	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	19	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	19	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	20	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	20	0.15
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	20	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	20	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	20	0.15
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	20	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	20	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	20	0.15
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	20	0.15
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	15	0.15
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	15	0.15
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	15	0.15
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	20	0.15
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	20	0.15
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	20	0.15
(1,2462)	1:4:A:LEU:HD21	1:4:A:LEU:H	16	0.15
(1,2462)	1:4:A:LEU:HD22	1:4:A:LEU:H	16	0.15
(1,2462)	1:4:A:LEU:HD23	1:4:A:LEU:H	16	0.15
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	17	0.15
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	12	0.15
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	12	0.15
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	12	0.15
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	12	0.15
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	12	0.15
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	12	0.15
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	1	0.15
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	8	0.15
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	9	0.15
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	18	0.15
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE1	18	0.15
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE2	18	0.15
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE3	18	0.15
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	15	0.15
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	15	0.15
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	16	0.15
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	6	0.15
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	7	0.15
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	17	0.15
(1,2243)	1:121:A:VAL:HA	1:124:A:MET:HG3	13	0.15
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	18	0.15
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	18	0.15
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	8	0.15
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	14	0.15
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	14	0.15
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	17	0.15
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	17	0.15
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	19	0.15
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	6	0.15
(1,2109)	1:79:A:THR:HA	1:80:A:ASP:H	14	0.15
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	16	0.15
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	16	0.15
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	19	0.15
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	19	0.15
(1,2078)	1:72:A:MET:HA	1:75:A:LYS:HB2	4	0.15
(1,2078)	1:72:A:MET:HA	1:75:A:LYS:HB3	4	0.15
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	7	0.15
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	10	0.15
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	14	0.15
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	15	0.15
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	19	0.15
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	17	0.15
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	17	0.15
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	17	0.15
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	4	0.15
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	19	0.15
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	11	0.15
(1,1983)	1:47:A:GLU:HA	1:50:A:ASP:HB3	15	0.15
(1,1983)	1:47:A:GLU:HA	1:50:A:ASP:HB3	16	0.15
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	12	0.15
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG2	16	0.15
(1,1938)	1:30:A:LYS:HA	1:30:A:LYS:HG3	16	0.15
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	6	0.15
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	7	0.15
(1,1930)	1:29:A:THR:HA	1:32:A:LEU:HB3	13	0.15
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	12	0.15
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	12	0.15
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	15	0.15
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	15	0.15
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	17	0.15
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	17	0.15
(1,1791)	1:135:A:GLN:HE22	1:134:A:GLY:HA2	13	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	2	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	2	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	3	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	3	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	4	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	4	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	5	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	5	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	6	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	6	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	8	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	8	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	9	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	9	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	11	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	11	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	12	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	12	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	13	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	13	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	14	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	14	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	16	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	16	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	19	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	19	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD2	20	0.15
(1,1747)	1:90:A:ARG:HE	1:90:A:ARG:HD3	20	0.15
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	1	0.15
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	5	0.15
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	5	0.15
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	12	0.15
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	12	0.15
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	20	0.15
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	8	0.15
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	12	0.15
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	1	0.15
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE1	7	0.15
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE2	7	0.15
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE3	7	0.15
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	18	0.15
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	5	0.15
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	7	0.15
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	13	0.15
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	17	0.15
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	18	0.15
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	6	0.15
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	8	0.15
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	13	0.15
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	16	0.15
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	17	0.15
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	14	0.15
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	14	0.15
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	9	0.15
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	9	0.15
(1,1539)	1:137:A:ASN:H	1:140:A:GLU:HB3	11	0.15
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	12	0.15
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	17	0.15
(1,1517)	1:136:A:VAL:H	1:100:A:ILE:HD13	14	0.15
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	7	0.15
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	9	0.15
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	10	0.15
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	15	0.15
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	17	0.15
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	1	0.15
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	19	0.15
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	7	0.15
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	18	0.15
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	19	0.15
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	14	0.15
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	14	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	11	0.15
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	1	0.15
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	4	0.15
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD12	14	0.15
(1,1181)	1:108:A:VAL:H	1:105:A:LEU:HA	4	0.15
(1,1151)	1:105:A:LEU:H	1:100:A:ILE:HG22	8	0.15
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	1	0.15
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	3	0.15
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	18	0.15
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	2	0.15
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	2	0.15
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	8	0.15
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	8	0.15
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	9	0.15
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	9	0.15
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	15	0.15
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	15	0.15
(1,998)	1:93:A:ASP:H	1:100:A:ILE:HG23	15	0.15
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	3	0.15
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	4	0.15
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	15	0.15
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	16	0.15
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	6	0.15
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	10	0.15
(1,907)	1:85:A:ILE:H	1:84:A:GLU:HB2	1	0.15
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	2	0.15
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	6	0.15
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	9	0.15
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	9	0.15
(1,851)	1:76:A:MET:H	1:76:A:MET:HB2	17	0.15
(1,851)	1:76:A:MET:H	1:76:A:MET:HB3	17	0.15
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	18	0.15
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	18	0.15
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	1	0.15
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	3	0.15
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	6	0.15
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	8	0.15
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	10	0.15
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	12	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	1	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	1	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	1	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	1	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	1	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	3	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	3	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	3	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	3	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	3	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	3	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	9	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	9	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	9	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	9	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	9	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	9	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	17	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	17	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	17	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	17	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	17	0.15
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	17	0.15
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	13	0.15
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	14	0.15
(1,759)	1:68:A:PHE:H	1:67:A:GLU:HA	14	0.15
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	2	0.15
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	6	0.15
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	11	0.15
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	7	0.15
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	10	0.15
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	11	0.15
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	16	0.15
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	9	0.15
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	10	0.15
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	15	0.15
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	20	0.15
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	7	0.15
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	10	0.15
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	19	0.15
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	3	0.15
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	9	0.15
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	2	0.15
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	2	0.15
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	3	0.15
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	3	0.15
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	3	0.15
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	1	0.15
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	8	0.15
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	20	0.15
(1,465)	1:42:A:ASN:H	1:41:A:GLN:H	7	0.15
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	4	0.15
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	5	0.15
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	10	0.15
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG21	4	0.15
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG22	6	0.15
(1,339)	1:30:A:LYS:H	1:52:A:ILE:HD13	6	0.15
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	4	0.15
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	7	0.15
(1,214)	1:20:A:ASP:H	1:19:A:PHE:HD1	19	0.15
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD11	2	0.15
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD12	2	0.15
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD13	2	0.15
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD11	12	0.15
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD12	12	0.15
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD13	12	0.15
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD11	16	0.15
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD12	16	0.15
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD13	16	0.15
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	12	0.15
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	2	0.15
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	2	0.15
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	8	0.15
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	8	0.15
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	19	0.15
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	19	0.15
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	20	0.15
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	20	0.15
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	5	0.15
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	15	0.15
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	16	0.15
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	19	0.15
(1,93)	1:11:A:GLU:H	1:11:A:GLU:HG2	13	0.15
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	13	0.15
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	1	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	12	0.15
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	12	0.15
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	12	0.15
(1,6)	1:3:A:GLN:H	1:3:A:GLN:HB2	2	0.15
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	13	0.14
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	13	0.14
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	13	0.14
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	13	0.14
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	13	0.14
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	13	0.14
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	13	0.14
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	13	0.14
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	13	0.14
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	13	0.14
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	13	0.14
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	13	0.14
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	13	0.14
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	13	0.14
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	13	0.14
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	13	0.14
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	13	0.14
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	13	0.14
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD23	5	0.14
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	4	0.14
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	4	0.14
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	4	0.14
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	4	0.14
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	4	0.14
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	4	0.14
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	4	0.14
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	4	0.14
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	4	0.14
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	6	0.14
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	6	0.14
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	6	0.14
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	6	0.14
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	6	0.14
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	6	0.14
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	7	0.14
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	7	0.14
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	7	0.14
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	7	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	7	0.14
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	7	0.14
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	19	0.14
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	19	0.14
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	19	0.14
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	19	0.14
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	19	0.14
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	19	0.14
(1,3392)	2:215:B:VAL:HG11	2:215:B:VAL:H	16	0.14
(1,3392)	2:215:B:VAL:HG12	2:215:B:VAL:H	16	0.14
(1,3392)	2:215:B:VAL:HG13	2:215:B:VAL:H	16	0.14
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	3	0.14
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	3	0.14
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	3	0.14
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	18	0.14
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	18	0.14
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	18	0.14
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	1	0.14
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	1	0.14
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	1	0.14
(1,3363)	2:205:B:MET:HB2	2:205:B:MET:HG3	3	0.14
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	11	0.14
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE1	7	0.14
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE2	7	0.14
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE3	7	0.14
(1,3348)	2:205:B:MET:HG2	1:68:A:PHE:HE1	16	0.14
(1,3344)	2:204:B:PHE:HD2	1:39:A:LEU:HD11	20	0.14
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	6	0.14
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	6	0.14
(1,3323)	2:201:B:MET:HG2	2:201:B:MET:HA	8	0.14
(1,3323)	2:201:B:MET:HG3	2:201:B:MET:HA	8	0.14
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG11	11	0.14
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG12	11	0.14
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG13	11	0.14
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG21	11	0.14
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG22	11	0.14
(1,3316)	2:216:B:VAL:HA	2:216:B:VAL:HG23	11	0.14
(1,3295)	2:207:B:GLY:HA3	2:210:B:LYS:HB2	3	0.14
(1,3295)	2:207:B:GLY:HA3	2:210:B:LYS:HB3	3	0.14
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	8	0.14
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	8	0.14
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD11	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD12	6	0.14
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD13	6	0.14
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD21	6	0.14
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD22	6	0.14
(1,3291)	2:205:B:MET:HA	2:208:B:LEU:HD23	6	0.14
(1,3256)	2:215:B:VAL:H	2:216:B:VAL:H	1	0.14
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	4	0.14
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	6	0.14
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	16	0.14
(1,3223)	2:205:B:MET:H	2:205:B:MET:HG2	3	0.14
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	17	0.14
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	18	0.14
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	4	0.14
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	4	0.14
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	4	0.14
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	4	0.14
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	7	0.14
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	7	0.14
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	7	0.14
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	7	0.14
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	2	0.14
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	12	0.14
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	13	0.14
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	20	0.14
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	7	0.14
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	7	0.14
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	18	0.14
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	18	0.14
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	11	0.14
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	11	0.14
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	11	0.14
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	11	0.14
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	14	0.14
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	14	0.14
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	14	0.14
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	14	0.14
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	14	0.14
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	14	0.14
(1,3109)	1:145:A:MET:HG2	1:146:A:THR:H	3	0.14
(1,3109)	1:145:A:MET:HG3	1:146:A:THR:H	3	0.14
(1,3097)	1:144:A:MET:HG3	1:144:A:MET:HA	19	0.14
(1,3092)	1:124:A:MET:HG3	1:105:A:LEU:HD21	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3090)	1:124:A:MET:HG3	1:121:A:VAL:HA	18	0.14
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	6	0.14
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	19	0.14
(1,3088)	1:124:A:MET:HG3	1:124:A:MET:H	9	0.14
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	2	0.14
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	10	0.14
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	16	0.14
(1,3065)	1:76:A:MET:HG2	1:73:A:ALA:HA	15	0.14
(1,3064)	1:76:A:MET:HG2	1:76:A:MET:H	18	0.14
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	6	0.14
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	17	0.14
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	2	0.14
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	6	0.14
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	8	0.14
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG21	5	0.14
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG22	5	0.14
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG23	5	0.14
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG21	5	0.14
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG22	5	0.14
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG23	5	0.14
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG21	5	0.14
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG22	5	0.14
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG23	5	0.14
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG21	19	0.14
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG22	19	0.14
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG23	19	0.14
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG21	19	0.14
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG22	19	0.14
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG23	19	0.14
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG21	19	0.14
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG22	19	0.14
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG23	19	0.14
(1,3018)	1:145:A:MET:HE1	1:85:A:ILE:HD11	15	0.14
(1,3018)	1:145:A:MET:HE1	1:85:A:ILE:HD12	15	0.14
(1,3018)	1:145:A:MET:HE1	1:85:A:ILE:HD13	15	0.14
(1,3018)	1:145:A:MET:HE2	1:85:A:ILE:HD11	15	0.14
(1,3018)	1:145:A:MET:HE2	1:85:A:ILE:HD12	15	0.14
(1,3018)	1:145:A:MET:HE2	1:85:A:ILE:HD13	15	0.14
(1,3018)	1:145:A:MET:HE3	1:85:A:ILE:HD11	15	0.14
(1,3018)	1:145:A:MET:HE3	1:85:A:ILE:HD12	15	0.14
(1,3018)	1:145:A:MET:HE3	1:85:A:ILE:HD13	15	0.14
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	12	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	12	0.14
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	12	0.14
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	12	0.14
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	12	0.14
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	12	0.14
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	6	0.14
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	6	0.14
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	6	0.14
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	16	0.14
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	16	0.14
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	16	0.14
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	15	0.14
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	15	0.14
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	15	0.14
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	15	0.14
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	15	0.14
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	15	0.14
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	2	0.14
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	2	0.14
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	2	0.14
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	17	0.14
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	17	0.14
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	17	0.14
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB2	1	0.14
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB3	1	0.14
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB2	1	0.14
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB3	1	0.14
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB2	1	0.14
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB3	1	0.14
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	9	0.14
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	9	0.14
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	9	0.14
(1,2997)	1:142:A:VAL:HG11	1:143:A:GLN:H	11	0.14
(1,2997)	1:142:A:VAL:HG12	1:143:A:GLN:H	11	0.14
(1,2997)	1:142:A:VAL:HG13	1:143:A:GLN:H	11	0.14
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	11	0.14
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	11	0.14
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	11	0.14
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	14	0.14
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	14	0.14
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	14	0.14
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	17	0.14
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	17	0.14
(1,2978)	1:136:A:VAL:HG21	1:100:A:ILE:HG13	7	0.14
(1,2978)	1:136:A:VAL:HG22	1:100:A:ILE:HG13	7	0.14
(1,2978)	1:136:A:VAL:HG23	1:100:A:ILE:HG13	7	0.14
(1,2978)	1:136:A:VAL:HG21	1:100:A:ILE:HG13	10	0.14
(1,2978)	1:136:A:VAL:HG22	1:100:A:ILE:HG13	10	0.14
(1,2978)	1:136:A:VAL:HG23	1:100:A:ILE:HG13	10	0.14
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	3	0.14
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	3	0.14
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	3	0.14
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	10	0.14
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	10	0.14
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	10	0.14
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	13	0.14
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	13	0.14
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	13	0.14
(1,2957)	1:130:A:ILE:HD11	1:143:A:GLN:HE22	5	0.14
(1,2957)	1:130:A:ILE:HD12	1:143:A:GLN:HE22	5	0.14
(1,2957)	1:130:A:ILE:HD13	1:143:A:GLN:HE22	5	0.14
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	10	0.14
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	10	0.14
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	10	0.14
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE1	6	0.14
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE2	6	0.14
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE3	6	0.14
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE1	6	0.14
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE2	6	0.14
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE3	6	0.14
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE1	6	0.14
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE2	6	0.14
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE3	6	0.14
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	11	0.14
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	11	0.14
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	11	0.14
(1,2942)	1:128:A:ALA:HB1	1:144:A:MET:HB2	16	0.14
(1,2942)	1:128:A:ALA:HB1	1:144:A:MET:HB3	16	0.14
(1,2942)	1:128:A:ALA:HB2	1:144:A:MET:HB2	16	0.14
(1,2942)	1:128:A:ALA:HB2	1:144:A:MET:HB3	16	0.14
(1,2942)	1:128:A:ALA:HB3	1:144:A:MET:HB2	16	0.14
(1,2942)	1:128:A:ALA:HB3	1:144:A:MET:HB3	16	0.14
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	3	0.14
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	3	0.14
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	11	0.14
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	11	0.14
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	11	0.14
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	16	0.14
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	16	0.14
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	16	0.14
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	19	0.14
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	19	0.14
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	19	0.14
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	15	0.14
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	15	0.14
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	15	0.14
(1,2895)	1:121:A:VAL:HG21	1:121:A:VAL:HA	8	0.14
(1,2895)	1:121:A:VAL:HG22	1:121:A:VAL:HA	8	0.14
(1,2895)	1:121:A:VAL:HG23	1:121:A:VAL:HA	8	0.14
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	9	0.14
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	9	0.14
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	9	0.14
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	12	0.14
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	12	0.14
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	12	0.14
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	14	0.14
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	14	0.14
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	14	0.14
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	15	0.14
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	15	0.14
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	15	0.14
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	16	0.14
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	16	0.14
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	16	0.14
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	2	0.14
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	2	0.14
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	2	0.14
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	6	0.14
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	6	0.14
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	6	0.14
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	7	0.14
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	7	0.14
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	7	0.14
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	3	0.14
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	3	0.14
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	13	0.14
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	13	0.14
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	13	0.14
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	16	0.14
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	16	0.14
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	16	0.14
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	6	0.14
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	6	0.14
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	6	0.14
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	7	0.14
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	7	0.14
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	7	0.14
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	14	0.14
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	14	0.14
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	14	0.14
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	19	0.14
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	19	0.14
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	19	0.14
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	20	0.14
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	20	0.14
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	20	0.14
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	12	0.14
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	12	0.14
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	12	0.14
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	13	0.14
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	13	0.14
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	13	0.14
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	18	0.14
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	18	0.14
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	18	0.14
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	20	0.14
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	20	0.14
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	20	0.14
(1,2834)	1:105:A:LEU:HD11	1:124:A:MET:HB2	19	0.14
(1,2834)	1:105:A:LEU:HD12	1:124:A:MET:HB2	19	0.14
(1,2834)	1:105:A:LEU:HD13	1:124:A:MET:HB2	19	0.14
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	10	0.14
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	10	0.14
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	10	0.14
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	10	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	10	0.14
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	10	0.14
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	18	0.14
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	18	0.14
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	18	0.14
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	1	0.14
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	1	0.14
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	1	0.14
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	1	0.14
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	1	0.14
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	1	0.14
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	1	0.14
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	1	0.14
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	1	0.14
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	6	0.14
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	6	0.14
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	6	0.14
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	11	0.14
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	11	0.14
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	11	0.14
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	13	0.14
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	13	0.14
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	13	0.14
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	11	0.14
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	11	0.14
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	11	0.14
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD21	12	0.14
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD22	12	0.14
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD23	12	0.14
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD21	12	0.14
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD22	12	0.14
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD23	12	0.14
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD21	12	0.14
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD22	12	0.14
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD23	12	0.14
(1,2751)	1:72:A:MET:HE1	1:72:A:MET:HA	6	0.14
(1,2751)	1:72:A:MET:HE2	1:72:A:MET:HA	6	0.14
(1,2751)	1:72:A:MET:HE3	1:72:A:MET:HA	6	0.14
(1,2731)	1:69:A:LEU:HD11	1:69:A:LEU:HA	10	0.14
(1,2731)	1:69:A:LEU:HD12	1:69:A:LEU:HA	10	0.14
(1,2731)	1:69:A:LEU:HD13	1:69:A:LEU:HA	10	0.14
(1,2707)	1:63:A:ILE:HD13	1:52:A:ILE:H	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	1	0.14
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	1	0.14
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	1	0.14
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	3	0.14
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	3	0.14
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	3	0.14
(1,2705)	1:63:A:ILE:HG21	1:64:A:ASP:H	11	0.14
(1,2705)	1:63:A:ILE:HG22	1:64:A:ASP:H	11	0.14
(1,2705)	1:63:A:ILE:HG23	1:64:A:ASP:H	11	0.14
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	6	0.14
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	6	0.14
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	6	0.14
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	16	0.14
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	16	0.14
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	16	0.14
(1,2680)	1:57:A:ALA:HB1	1:58:A:ASP:H	9	0.14
(1,2680)	1:57:A:ALA:HB2	1:58:A:ASP:H	9	0.14
(1,2680)	1:57:A:ALA:HB3	1:58:A:ASP:H	9	0.14
(1,2677)	1:55:A:VAL:HG12	1:68:A:PHE:HD1	16	0.14
(1,2670)	1:55:A:VAL:HG12	1:71:A:MET:HB3	7	0.14
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG21	19	0.14
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG22	19	0.14
(1,2668)	1:55:A:VAL:HG11	1:63:A:ILE:HG23	19	0.14
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG21	19	0.14
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG22	19	0.14
(1,2668)	1:55:A:VAL:HG12	1:63:A:ILE:HG23	19	0.14
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG21	19	0.14
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG22	19	0.14
(1,2668)	1:55:A:VAL:HG13	1:63:A:ILE:HG23	19	0.14
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	10	0.14
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	10	0.14
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	10	0.14
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	12	0.14
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	12	0.14
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	12	0.14
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	19	0.14
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	19	0.14
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	19	0.14
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	15	0.14
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	15	0.14
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	15	0.14
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	5	0.14
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	5	0.14
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	13	0.14
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	13	0.14
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	13	0.14
(1,2630)	1:51:A:MET:HE3	1:32:A:LEU:HD22	10	0.14
(1,2630)	1:51:A:MET:HE2	1:48:A:LEU:HD22	18	0.14
(1,2620)	1:48:A:LEU:HD21	1:43:A:PRO:HB3	17	0.14
(1,2620)	1:48:A:LEU:HD22	1:43:A:PRO:HB3	17	0.14
(1,2620)	1:48:A:LEU:HD23	1:43:A:PRO:HB3	17	0.14
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	3	0.14
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	3	0.14
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	3	0.14
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	15	0.14
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	15	0.14
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	15	0.14
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	17	0.14
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	17	0.14
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	17	0.14
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	2	0.14
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	2	0.14
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	2	0.14
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	4	0.14
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	4	0.14
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	4	0.14
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	15	0.14
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	15	0.14
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	15	0.14
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	9	0.14
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	9	0.14
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	9	0.14
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	12	0.14
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	12	0.14
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	12	0.14
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	14	0.14
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	14	0.14
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	14	0.14
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	16	0.14
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	16	0.14
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	16	0.14
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	18	0.14
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	18	0.14
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	20	0.14
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	20	0.14
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	20	0.14
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	5	0.14
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	5	0.14
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	5	0.14
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	4	0.14
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	4	0.14
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	4	0.14
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	11	0.14
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	11	0.14
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	11	0.14
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	19	0.14
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	19	0.14
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	19	0.14
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	2	0.14
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	2	0.14
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	2	0.14
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	5	0.14
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	5	0.14
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	5	0.14
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	6	0.14
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	6	0.14
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	6	0.14
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	14	0.14
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	14	0.14
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	14	0.14
(1,2543)	1:28:A:THR:HG21	1:28:A:THR:HG1	16	0.14
(1,2543)	1:28:A:THR:HG22	1:28:A:THR:HG1	16	0.14
(1,2543)	1:28:A:THR:HG23	1:28:A:THR:HG1	16	0.14
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	1	0.14
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	1	0.14
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	1	0.14
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	5	0.14
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	5	0.14
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	5	0.14
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	7	0.14
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	7	0.14
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	7	0.14
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	11	0.14
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	11	0.14
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	15	0.14
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	15	0.14
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	15	0.14
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	16	0.14
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	16	0.14
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	16	0.14
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	19	0.14
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	19	0.14
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	19	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	5	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	5	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	5	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	5	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	5	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	5	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	5	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	5	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	5	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	6	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	6	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	6	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	6	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	6	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	6	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	6	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	6	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	6	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	10	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	10	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	10	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	10	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	10	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	10	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	10	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	10	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	10	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	11	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	11	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	11	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	11	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	11	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	11	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	11	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	11	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	12	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	12	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	12	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	12	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	12	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	12	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	12	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	12	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	12	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	13	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	13	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	13	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	13	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	13	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	13	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	13	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	13	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	13	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	14	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	14	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	14	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	14	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	14	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	14	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	14	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	14	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	14	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	17	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	17	0.14
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	17	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	17	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	17	0.14
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	17	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	17	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	17	0.14
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	17	0.14
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	2	0.14
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	2	0.14
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	6	0.14
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	6	0.14
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	6	0.14
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	12	0.14
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	12	0.14
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	12	0.14
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	14	0.14
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	14	0.14
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	14	0.14
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	19	0.14
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	19	0.14
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	19	0.14
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	20	0.14
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	20	0.14
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	20	0.14
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	1	0.14
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	1	0.14
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	1	0.14
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	9	0.14
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	9	0.14
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	9	0.14
(1,2481)	1:9:A:ILE:HD13	1:4:A:LEU:HB2	14	0.14
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD21	6	0.14
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD22	6	0.14
(1,2477)	1:9:A:ILE:HG21	1:69:A:LEU:HD23	6	0.14
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD21	6	0.14
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD22	6	0.14
(1,2477)	1:9:A:ILE:HG22	1:69:A:LEU:HD23	6	0.14
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD21	6	0.14
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD22	6	0.14
(1,2477)	1:9:A:ILE:HG23	1:69:A:LEU:HD23	6	0.14
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	1	0.14
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	1	0.14
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	1	0.14
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	2	0.14
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	2	0.14
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	2	0.14
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	10	0.14
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	10	0.14
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	10	0.14
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	11	0.14
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	11	0.14
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	13	0.14
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	13	0.14
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	13	0.14
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	17	0.14
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	17	0.14
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	17	0.14
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	2	0.14
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	2	0.14
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	2	0.14
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	2	0.14
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	2	0.14
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	2	0.14
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	3	0.14
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	3	0.14
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	3	0.14
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	3	0.14
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	3	0.14
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	3	0.14
(1,2448)	1:4:A:LEU:HD11	1:69:A:LEU:HD21	20	0.14
(1,2448)	1:4:A:LEU:HD11	1:69:A:LEU:HD22	20	0.14
(1,2448)	1:4:A:LEU:HD11	1:69:A:LEU:HD23	20	0.14
(1,2448)	1:4:A:LEU:HD12	1:69:A:LEU:HD21	20	0.14
(1,2448)	1:4:A:LEU:HD12	1:69:A:LEU:HD22	20	0.14
(1,2448)	1:4:A:LEU:HD12	1:69:A:LEU:HD23	20	0.14
(1,2448)	1:4:A:LEU:HD13	1:69:A:LEU:HD21	20	0.14
(1,2448)	1:4:A:LEU:HD13	1:69:A:LEU:HD22	20	0.14
(1,2448)	1:4:A:LEU:HD13	1:69:A:LEU:HD23	20	0.14
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	2	0.14
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	4	0.14
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE1	7	0.14
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE2	7	0.14
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE3	7	0.14
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	16	0.14
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	16	0.14
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	2	0.14
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	6	0.14
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	19	0.14
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	4	0.14
(1,2288)	1:138:A:TYR:HA	1:140:A:GLU:H	12	0.14
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	8	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	10	0.14
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	12	0.14
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	20	0.14
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	4	0.14
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	4	0.14
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	8	0.14
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	8	0.14
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	9	0.14
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	9	0.14
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	8	0.14
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	8	0.14
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	10	0.14
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	10	0.14
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	12	0.14
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	12	0.14
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	18	0.14
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	18	0.14
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	9	0.14
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	17	0.14
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	5	0.14
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	7	0.14
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	11	0.14
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	12	0.14
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	14	0.14
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	18	0.14
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG21	9	0.14
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG22	9	0.14
(1,2108)	1:79:A:THR:HA	1:79:A:THR:HG23	9	0.14
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	14	0.14
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	14	0.14
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	14	0.14
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	14	0.14
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	14	0.14
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	14	0.14
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	1	0.14
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	5	0.14
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	12	0.14
(1,2075)	1:72:A:MET:HA	1:72:A:MET:HG2	18	0.14
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	9	0.14
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	9	0.14
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	9	0.14
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	13	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	13	0.14
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	13	0.14
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	19	0.14
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	19	0.14
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	19	0.14
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	18	0.14
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	20	0.14
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	11	0.14
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	16	0.14
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	5	0.14
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	1	0.14
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	14	0.14
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	10	0.14
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	10	0.14
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	11	0.14
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	11	0.14
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	17	0.14
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	17	0.14
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD1	8	0.14
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD2	8	0.14
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD1	15	0.14
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD2	15	0.14
(1,1876)	1:13:A:LYS:HA	1:65:A:PHE:HD1	12	0.14
(1,1876)	1:13:A:LYS:HA	1:65:A:PHE:HD2	12	0.14
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	4	0.14
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	17	0.14
(1,1856)	1:9:A:ILE:HA	1:12:A:PHE:HB2	10	0.14
(1,1856)	1:9:A:ILE:HA	1:12:A:PHE:HB3	10	0.14
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	16	0.14
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	16	0.14
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	16	0.14
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD11	18	0.14
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD12	18	0.14
(1,1840)	1:6:A:GLU:HA	1:9:A:ILE:HD13	18	0.14
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	4	0.14
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	4	0.14
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	9	0.14
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	9	0.14
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	14	0.14
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	14	0.14
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	19	0.14
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1811)	1:137:A:ASN:HD21	1:139:A:GLU:HB2	9	0.14
(1,1791)	1:135:A:GLN:HE22	1:134:A:GLY:HA2	15	0.14
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB2	4	0.14
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB3	4	0.14
(1,1765)	1:106:A:ARG:HE	1:106:A:ARG:HD2	20	0.14
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	3	0.14
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	5	0.14
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	9	0.14
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	13	0.14
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	16	0.14
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	4	0.14
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	4	0.14
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	4	0.14
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	17	0.14
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	3	0.14
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	4	0.14
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	7	0.14
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	2	0.14
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	3	0.14
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	6	0.14
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	8	0.14
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	12	0.14
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	1	0.14
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	2	0.14
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	19	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	3	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	4	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	5	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	10	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	11	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	12	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	14	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	15	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	18	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	19	0.14
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	20	0.14
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	10	0.14
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	10	0.14
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	15	0.14
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	15	0.14
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	9	0.14
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	9	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	9	0.14
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	5	0.14
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	7	0.14
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	13	0.14
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	15	0.14
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	20	0.14
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	8	0.14
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	2	0.14
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	5	0.14
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	14	0.14
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	18	0.14
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	3	0.14
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	8	0.14
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	7	0.14
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	7	0.14
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG2	18	0.14
(1,1303)	1:119:A:GLU:H	1:119:A:GLU:HG3	18	0.14
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	1	0.14
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	2	0.14
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	3	0.14
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	9	0.14
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	16	0.14
(1,1272)	1:116:A:LEU:H	1:120:A:GLU:HB2	5	0.14
(1,1272)	1:116:A:LEU:H	1:120:A:GLU:HB2	15	0.14
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	2	0.14
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	9	0.14
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	16	0.14
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	2	0.14
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	4	0.14
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	5	0.14
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	12	0.14
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	6	0.14
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	17	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	5	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	5	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	13	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	13	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	14	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	14	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	17	0.14
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	17	0.14
(1,1021)	1:94:A:LYS:H	1:104:A:GLU:HB3	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1012)	1:94:A:LYS:H	1:104:A:GLU:HB2	17	0.14
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	7	0.14
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	7	0.14
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	7	0.14
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	17	0.14
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	17	0.14
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	17	0.14
(1,956)	1:90:A:ARG:H	1:89:A:PHE:HD1	6	0.14
(1,956)	1:90:A:ARG:H	1:89:A:PHE:HD2	6	0.14
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	2	0.14
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	2	0.14
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	15	0.14
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	15	0.14
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	2	0.14
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	5	0.14
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	12	0.14
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	19	0.14
(1,907)	1:85:A:ILE:H	1:84:A:GLU:HB2	6	0.14
(1,907)	1:85:A:ILE:H	1:84:A:GLU:HB2	13	0.14
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	11	0.14
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	11	0.14
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	2	0.14
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	14	0.14
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	18	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	10	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	10	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	10	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	10	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	10	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	10	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	13	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	13	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	13	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	13	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	13	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	13	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	18	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	18	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	18	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	18	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	18	0.14
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	6	0.14
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	7	0.14
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	12	0.14
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	20	0.14
(1,818)	1:73:A:ALA:H	1:12:A:PHE:HE2	13	0.14
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	4	0.14
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	8	0.14
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	10	0.14
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	17	0.14
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	18	0.14
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	4	0.14
(1,679)	1:62:A:THR:H	1:28:A:THR:HG21	14	0.14
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	15	0.14
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	18	0.14
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	19	0.14
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	5	0.14
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	6	0.14
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	7	0.14
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	11	0.14
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	12	0.14
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	6	0.14
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	9	0.14
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	12	0.14
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	8	0.14
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	19	0.14
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	11	0.14
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG21	20	0.14
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG22	20	0.14
(1,553)	1:52:A:ILE:H	1:29:A:THR:HG23	20	0.14
(1,539)	1:51:A:MET:H	1:51:A:MET:HG2	9	0.14
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	9	0.14
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	16	0.14
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	4	0.14
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	11	0.14
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG21	6	0.14
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG22	6	0.14
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG23	6	0.14
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG21	16	0.14
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG22	16	0.14
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG23	16	0.14
(1,410)	1:36:A:MET:H	1:36:A:MET:HG2	16	0.14
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	2	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	7	0.14
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	8	0.14
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	13	0.14
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	16	0.14
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	17	0.14
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	18	0.14
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	18	0.14
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	18	0.14
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	18	0.14
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	18	0.14
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	18	0.14
(1,313)	1:28:A:THR:H	1:31:A:GLU:HB3	20	0.14
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	5	0.14
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	11	0.14
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	5	0.14
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	7	0.14
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	1	0.14
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	1	0.14
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	4	0.14
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	4	0.14
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	4	0.14
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	6	0.14
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	9	0.14
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	13	0.14
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	17	0.14
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	2	0.14
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	6	0.14
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	12	0.14
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	14	0.14
(1,6)	1:3:A:GLN:H	1:3:A:GLN:HB2	3	0.14
(1,6)	1:3:A:GLN:H	1:3:A:GLN:HB2	7	0.14
(1,6)	1:3:A:GLN:H	1:3:A:GLN:HB2	10	0.14
(1,1)	1:3:A:GLN:H	1:2:A:ASP:HB3	5	0.14
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	17	0.13
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	17	0.13
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	17	0.13
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	17	0.13
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	17	0.13
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	17	0.13
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	17	0.13
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	17	0.13
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	17	0.13
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	17	0.13
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	17	0.13
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	17	0.13
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	17	0.13
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	17	0.13
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	17	0.13
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	17	0.13
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	17	0.13
(1,3432)	1:111:A:ASN:HD22	1:112:A:LEU:HD23	16	0.13
(1,3425)	1:39:A:LEU:H	1:39:A:LEU:HD12	6	0.13
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	19	0.13
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	19	0.13
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	19	0.13
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	19	0.13
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	19	0.13
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	19	0.13
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	19	0.13
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	19	0.13
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	19	0.13
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	1	0.13
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	1	0.13
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	1	0.13
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	1	0.13
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	1	0.13
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	1	0.13
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	1	0.13
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	1	0.13
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	1	0.13
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	9	0.13
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	9	0.13
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	9	0.13
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	9	0.13
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	9	0.13
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	9	0.13
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	12	0.13
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	12	0.13
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	12	0.13
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	12	0.13
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	12	0.13
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	12	0.13
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	14	0.13
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	14	0.13
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	14	0.13
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	14	0.13
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	14	0.13
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	15	0.13
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	15	0.13
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	15	0.13
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	15	0.13
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	15	0.13
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	15	0.13
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	16	0.13
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	16	0.13
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	16	0.13
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	16	0.13
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	16	0.13
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	16	0.13
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	20	0.13
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	20	0.13
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	20	0.13
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	20	0.13
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	20	0.13
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	20	0.13
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	13	0.13
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	13	0.13
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	13	0.13
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	17	0.13
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	17	0.13
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	17	0.13
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	4	0.13
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	4	0.13
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	4	0.13
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	8	0.13
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	8	0.13
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	8	0.13
(1,3385)	2:208:B:LEU:HB2	2:209:B:SER:H	12	0.13
(1,3385)	2:208:B:LEU:HB3	2:209:B:SER:H	12	0.13
(1,3382)	2:208:B:LEU:HB2	2:208:B:LEU:H	8	0.13
(1,3382)	2:208:B:LEU:HB3	2:208:B:LEU:H	8	0.13
(1,3382)	2:208:B:LEU:HB2	2:208:B:LEU:H	18	0.13
(1,3382)	2:208:B:LEU:HB3	2:208:B:LEU:H	18	0.13
(1,3382)	2:208:B:LEU:HB2	2:208:B:LEU:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3382)	2:208:B:LEU:HB3	2:208:B:LEU:H	19	0.13
(1,3361)	2:205:B:MET:HB3	2:205:B:MET:H	20	0.13
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	5	0.13
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	6	0.13
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE1	3	0.13
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE2	3	0.13
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE3	3	0.13
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE1	5	0.13
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE2	5	0.13
(1,3358)	2:205:B:MET:HG3	1:71:A:MET:HE3	5	0.13
(1,3355)	2:205:B:MET:HG3	2:205:B:MET:HA	19	0.13
(1,3349)	2:205:B:MET:HG2	2:205:B:MET:H	3	0.13
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	7	0.13
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	7	0.13
(1,3325)	2:201:B:MET:HG2	2:202:B:ASP:H	8	0.13
(1,3325)	2:201:B:MET:HG3	2:202:B:ASP:H	8	0.13
(1,3319)	2:201:B:MET:HB3	1:39:A:LEU:HD13	2	0.13
(1,3313)	2:215:B:VAL:HA	2:218:B:ALA:HB3	14	0.13
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	3	0.13
(1,3282)	2:203:B:VAL:HA	2:206:B:LYS:HB2	3	0.13
(1,3282)	2:203:B:VAL:HA	2:206:B:LYS:HB3	3	0.13
(1,3275)	2:219:B:ALA:H	2:216:B:VAL:HA	16	0.13
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	17	0.13
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	3	0.13
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	4	0.13
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	6	0.13
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	17	0.13
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	3	0.13
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	4	0.13
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	10	0.13
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	16	0.13
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	19	0.13
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	1	0.13
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	8	0.13
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	20	0.13
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB2	3	0.13
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB3	3	0.13
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB2	16	0.13
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB3	16	0.13
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	6	0.13
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	16	0.13
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	16	0.13
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	16	0.13
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	3	0.13
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	3	0.13
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	1	0.13
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	1	0.13
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD1	15	0.13
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD2	15	0.13
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	18	0.13
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	19	0.13
(1,3128)	1:65:A:PHE:HD2	1:65:A:PHE:H	19	0.13
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	4	0.13
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	4	0.13
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	4	0.13
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	4	0.13
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	4	0.13
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	4	0.13
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	16	0.13
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	16	0.13
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	16	0.13
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	16	0.13
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	16	0.13
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	16	0.13
(1,3105)	1:145:A:MET:HG2	1:85:A:ILE:HG21	7	0.13
(1,3105)	1:145:A:MET:HG2	1:85:A:ILE:HG22	7	0.13
(1,3105)	1:145:A:MET:HG2	1:85:A:ILE:HG23	7	0.13
(1,3105)	1:145:A:MET:HG3	1:85:A:ILE:HG21	7	0.13
(1,3105)	1:145:A:MET:HG3	1:85:A:ILE:HG22	7	0.13
(1,3105)	1:145:A:MET:HG3	1:85:A:ILE:HG23	7	0.13
(1,3099)	1:144:A:MET:HG2	1:128:A:ALA:HA	13	0.13
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	6	0.13
(1,3097)	1:144:A:MET:HG3	1:144:A:MET:HA	2	0.13
(1,3092)	1:124:A:MET:HG3	1:105:A:LEU:HD21	11	0.13
(1,3090)	1:124:A:MET:HG3	1:121:A:VAL:HA	7	0.13
(1,3090)	1:124:A:MET:HG3	1:121:A:VAL:HA	9	0.13
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	10	0.13
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	11	0.13
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	13	0.13
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	12	0.13
(1,3083)	1:124:A:MET:HG2	1:124:A:MET:H	11	0.13
(1,3082)	1:109:A:MET:HG2	1:105:A:LEU:HG	4	0.13
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	15	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	15	0.13
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	15	0.13
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	15	0.13
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	15	0.13
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	15	0.13
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	19	0.13
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	17	0.13
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	18	0.13
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	20	0.13
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	20	0.13
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	20	0.13
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	20	0.13
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	20	0.13
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	20	0.13
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	20	0.13
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	5	0.13
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	5	0.13
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	5	0.13
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	18	0.13
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	18	0.13
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	18	0.13
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB2	2	0.13
(1,3004)	1:144:A:MET:HE1	1:144:A:MET:HB3	2	0.13
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB2	2	0.13
(1,3004)	1:144:A:MET:HE2	1:144:A:MET:HB3	2	0.13
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB2	2	0.13
(1,3004)	1:144:A:MET:HE3	1:144:A:MET:HB3	2	0.13
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	12	0.13
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	12	0.13
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	12	0.13
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	19	0.13
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	19	0.13
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	19	0.13
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	16	0.13
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	16	0.13
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	16	0.13
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	16	0.13
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	16	0.13
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	16	0.13
(1,2990)	1:142:A:VAL:HG21	1:142:A:VAL:H	19	0.13
(1,2990)	1:142:A:VAL:HG22	1:142:A:VAL:H	19	0.13
(1,2990)	1:142:A:VAL:HG23	1:142:A:VAL:H	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	4	0.13
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	4	0.13
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	4	0.13
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	10	0.13
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	10	0.13
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	10	0.13
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	5	0.13
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	5	0.13
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	5	0.13
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	20	0.13
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	20	0.13
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	20	0.13
(1,2978)	1:136:A:VAL:HG21	1:100:A:ILE:HG13	12	0.13
(1,2978)	1:136:A:VAL:HG22	1:100:A:ILE:HG13	12	0.13
(1,2978)	1:136:A:VAL:HG23	1:100:A:ILE:HG13	12	0.13
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	2	0.13
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	2	0.13
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	2	0.13
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	2	0.13
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	2	0.13
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	2	0.13
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	15	0.13
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	15	0.13
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	15	0.13
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	15	0.13
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	15	0.13
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	15	0.13
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	17	0.13
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	17	0.13
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	17	0.13
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	17	0.13
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	17	0.13
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	17	0.13
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	20	0.13
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	20	0.13
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	20	0.13
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	20	0.13
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	20	0.13
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	20	0.13
(1,2957)	1:130:A:ILE:HD11	1:143:A:GLN:HE22	3	0.13
(1,2957)	1:130:A:ILE:HD12	1:143:A:GLN:HE22	3	0.13
(1,2957)	1:130:A:ILE:HD13	1:143:A:GLN:HE22	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2950)	1:130:A:ILE:HG21	1:131:A:ASP:HA	9	0.13
(1,2950)	1:130:A:ILE:HG22	1:131:A:ASP:HA	9	0.13
(1,2950)	1:130:A:ILE:HG23	1:131:A:ASP:HA	9	0.13
(1,2950)	1:130:A:ILE:HG21	1:131:A:ASP:HA	14	0.13
(1,2950)	1:130:A:ILE:HG22	1:131:A:ASP:HA	14	0.13
(1,2950)	1:130:A:ILE:HG23	1:131:A:ASP:HA	14	0.13
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	9	0.13
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	9	0.13
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	9	0.13
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	20	0.13
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	20	0.13
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	20	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE1	7	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE2	7	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE3	7	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE1	7	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE2	7	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE3	7	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE1	7	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE2	7	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE3	7	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE1	9	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE2	9	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE3	9	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE1	9	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE2	9	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE3	9	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE1	9	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE2	9	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE3	9	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE1	12	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE2	12	0.13
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE3	12	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE1	12	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE2	12	0.13
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE3	12	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE1	12	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE2	12	0.13
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE3	12	0.13
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	2	0.13
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	2	0.13
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	12	0.13
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	12	0.13
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	12	0.13
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	18	0.13
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	18	0.13
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	18	0.13
(1,2942)	1:128:A:ALA:HB1	1:144:A:MET:HB2	4	0.13
(1,2942)	1:128:A:ALA:HB1	1:144:A:MET:HB3	4	0.13
(1,2942)	1:128:A:ALA:HB2	1:144:A:MET:HB2	4	0.13
(1,2942)	1:128:A:ALA:HB2	1:144:A:MET:HB3	4	0.13
(1,2942)	1:128:A:ALA:HB3	1:144:A:MET:HB2	4	0.13
(1,2942)	1:128:A:ALA:HB3	1:144:A:MET:HB3	4	0.13
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	10	0.13
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	10	0.13
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	10	0.13
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	10	0.13
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	10	0.13
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	10	0.13
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	10	0.13
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	10	0.13
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	10	0.13
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	12	0.13
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	12	0.13
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	12	0.13
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	12	0.13
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	12	0.13
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	12	0.13
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	12	0.13
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	12	0.13
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	12	0.13
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	16	0.13
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	16	0.13
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	16	0.13
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	16	0.13
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	16	0.13
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	16	0.13
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	16	0.13
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	16	0.13
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	16	0.13
(1,2937)	1:125:A:ILE:HD11	1:125:A:ILE:HA	11	0.13
(1,2937)	1:125:A:ILE:HD12	1:125:A:ILE:HA	11	0.13
(1,2937)	1:125:A:ILE:HD13	1:125:A:ILE:HA	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2936)	1:125:A:ILE:HD11	1:125:A:ILE:HA	11	0.13
(1,2936)	1:125:A:ILE:HD12	1:125:A:ILE:HA	11	0.13
(1,2936)	1:125:A:ILE:HD13	1:125:A:ILE:HA	11	0.13
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	14	0.13
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	14	0.13
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	14	0.13
(1,2924)	1:125:A:ILE:HG21	1:126:A:ARG:H	15	0.13
(1,2924)	1:125:A:ILE:HG22	1:126:A:ARG:H	15	0.13
(1,2924)	1:125:A:ILE:HG23	1:126:A:ARG:H	15	0.13
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	11	0.13
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	11	0.13
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	11	0.13
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	1	0.13
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	1	0.13
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	1	0.13
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	2	0.13
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	2	0.13
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	2	0.13
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	3	0.13
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	3	0.13
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	3	0.13
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	4	0.13
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	4	0.13
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	4	0.13
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	5	0.13
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	5	0.13
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	5	0.13
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	6	0.13
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	6	0.13
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	6	0.13
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	8	0.13
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	8	0.13
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	8	0.13
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	17	0.13
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	17	0.13
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	17	0.13
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	1	0.13
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	1	0.13
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	1	0.13
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	3	0.13
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	3	0.13
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	10	0.13
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	10	0.13
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	10	0.13
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	11	0.13
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	11	0.13
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	11	0.13
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	17	0.13
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	17	0.13
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	17	0.13
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	18	0.13
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	18	0.13
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	18	0.13
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	8	0.13
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	8	0.13
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	8	0.13
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	11	0.13
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	11	0.13
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	11	0.13
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	12	0.13
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	12	0.13
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	12	0.13
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	13	0.13
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	13	0.13
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	13	0.13
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	15	0.13
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	15	0.13
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	15	0.13
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	17	0.13
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	17	0.13
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	17	0.13
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	18	0.13
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	18	0.13
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	18	0.13
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	7	0.13
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	7	0.13
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	7	0.13
(1,2860)	1:108:A:VAL:HG21	1:92:A:PHE:HA	12	0.13
(1,2860)	1:108:A:VAL:HG22	1:92:A:PHE:HA	12	0.13
(1,2860)	1:108:A:VAL:HG23	1:92:A:PHE:HA	12	0.13
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	19	0.13
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	19	0.13
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	19	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	1	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	1	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	1	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	3	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	3	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	3	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	4	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	4	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	4	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	6	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	6	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	6	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	7	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	7	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	7	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	10	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	10	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	10	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	11	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	11	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	11	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	12	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	12	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	12	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	13	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	13	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	13	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	15	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	15	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	15	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	16	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	16	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	16	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	19	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	19	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	19	0.13
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	20	0.13
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	20	0.13
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	20	0.13
(1,2822)	1:102:A:ALA:HB1	1:101:A:SER:HB3	9	0.13
(1,2822)	1:102:A:ALA:HB2	1:101:A:SER:HB3	9	0.13
(1,2822)	1:102:A:ALA:HB3	1:101:A:SER:HB3	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD1	8	0.13
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD2	8	0.13
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD1	8	0.13
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD2	8	0.13
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD1	8	0.13
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD2	8	0.13
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	2	0.13
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	2	0.13
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	2	0.13
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	2	0.13
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	2	0.13
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	2	0.13
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB2	6	0.13
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB3	6	0.13
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB2	6	0.13
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB3	6	0.13
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB2	6	0.13
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB3	6	0.13
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB2	9	0.13
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB3	9	0.13
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB2	9	0.13
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB3	9	0.13
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB2	9	0.13
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB3	9	0.13
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB2	15	0.13
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB3	15	0.13
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB2	15	0.13
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB3	15	0.13
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB2	15	0.13
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB3	15	0.13
(1,2808)	1:100:A:ILE:HG21	1:104:A:GLU:HB2	4	0.13
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	16	0.13
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	16	0.13
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	16	0.13
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	13	0.13
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	13	0.13
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	13	0.13
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	13	0.13
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	13	0.13
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	13	0.13
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	13	0.13
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	13	0.13
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	9	0.13
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	9	0.13
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	9	0.13
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	13	0.13
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	13	0.13
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	13	0.13
(1,2761)	1:76:A:MET:HE1	1:8:A:GLN:HE22	7	0.13
(1,2761)	1:76:A:MET:HE2	1:8:A:GLN:HE22	7	0.13
(1,2761)	1:76:A:MET:HE3	1:8:A:GLN:HE22	7	0.13
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	15	0.13
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	15	0.13
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	15	0.13
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	20	0.13
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	20	0.13
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	20	0.13
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	13	0.13
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	13	0.13
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	13	0.13
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	13	0.13
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	13	0.13
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	13	0.13
(1,2716)	1:69:A:LEU:HD21	1:12:A:PHE:HB2	14	0.13
(1,2716)	1:69:A:LEU:HD21	1:12:A:PHE:HB3	14	0.13
(1,2716)	1:69:A:LEU:HD22	1:12:A:PHE:HB2	14	0.13
(1,2716)	1:69:A:LEU:HD22	1:12:A:PHE:HB3	14	0.13
(1,2716)	1:69:A:LEU:HD23	1:12:A:PHE:HB2	14	0.13
(1,2716)	1:69:A:LEU:HD23	1:12:A:PHE:HB3	14	0.13
(1,2707)	1:63:A:ILE:HD12	1:52:A:ILE:H	4	0.13
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	2	0.13
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	2	0.13
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	2	0.13
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	15	0.13
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	15	0.13
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	15	0.13
(1,2675)	1:55:A:VAL:HG11	1:71:A:MET:H	7	0.13
(1,2675)	1:55:A:VAL:HG12	1:71:A:MET:H	7	0.13
(1,2675)	1:55:A:VAL:HG13	1:71:A:MET:H	7	0.13
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	2	0.13
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	2	0.13
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	2	0.13
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	4	0.13
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	4	0.13
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	16	0.13
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	16	0.13
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	16	0.13
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	20	0.13
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	20	0.13
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	20	0.13
(1,2661)	1:55:A:VAL:HG21	1:71:A:MET:H	17	0.13
(1,2661)	1:55:A:VAL:HG22	1:71:A:MET:H	17	0.13
(1,2661)	1:55:A:VAL:HG23	1:71:A:MET:H	17	0.13
(1,2657)	1:55:A:VAL:HG21	1:63:A:ILE:HG21	4	0.13
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	8	0.13
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	8	0.13
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	8	0.13
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	8	0.13
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	8	0.13
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	8	0.13
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	8	0.13
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	8	0.13
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	8	0.13
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	16	0.13
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	16	0.13
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	16	0.13
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	16	0.13
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	16	0.13
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	16	0.13
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	16	0.13
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	16	0.13
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	16	0.13
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	19	0.13
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	19	0.13
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	19	0.13
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	19	0.13
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	19	0.13
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	19	0.13
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	19	0.13
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	19	0.13
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	19	0.13
(1,2646)	1:52:A:ILE:HG21	1:52:A:ILE:HG13	17	0.13
(1,2646)	1:52:A:ILE:HG22	1:52:A:ILE:HG13	17	0.13
(1,2646)	1:52:A:ILE:HG23	1:52:A:ILE:HG13	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	3	0.13
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	3	0.13
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	3	0.13
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	12	0.13
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	12	0.13
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	12	0.13
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	2	0.13
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	2	0.13
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	2	0.13
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	7	0.13
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	7	0.13
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	7	0.13
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	9	0.13
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	9	0.13
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	9	0.13
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	11	0.13
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	11	0.13
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	11	0.13
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	15	0.13
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	15	0.13
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	15	0.13
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	1	0.13
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	1	0.13
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	1	0.13
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	9	0.13
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	9	0.13
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	9	0.13
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	17	0.13
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	17	0.13
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	17	0.13
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	20	0.13
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	20	0.13
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	20	0.13
(1,2635)	1:51:A:MET:HE1	2:202:B:ASP:HB3	6	0.13
(1,2635)	1:51:A:MET:HE2	2:202:B:ASP:HB3	6	0.13
(1,2635)	1:51:A:MET:HE3	2:202:B:ASP:HB3	6	0.13
(1,2631)	1:51:A:MET:HE1	1:51:A:MET:HG3	13	0.13
(1,2631)	1:51:A:MET:HE2	1:51:A:MET:HG3	13	0.13
(1,2631)	1:51:A:MET:HE3	1:51:A:MET:HG3	13	0.13
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	16	0.13
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	16	0.13
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	1	0.13
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	1	0.13
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	1	0.13
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	12	0.13
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	12	0.13
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	12	0.13
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	3	0.13
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	3	0.13
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	3	0.13
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	10	0.13
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	10	0.13
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	10	0.13
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	17	0.13
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	17	0.13
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	17	0.13
(1,2571)	1:34:A:THR:HG21	1:35:A:VAL:H	20	0.13
(1,2571)	1:34:A:THR:HG22	1:35:A:VAL:H	20	0.13
(1,2571)	1:34:A:THR:HG23	1:35:A:VAL:H	20	0.13
(1,2557)	1:29:A:THR:HG21	1:52:A:ILE:HB	1	0.13
(1,2557)	1:29:A:THR:HG22	1:52:A:ILE:HB	1	0.13
(1,2557)	1:29:A:THR:HG23	1:52:A:ILE:HB	1	0.13
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	3	0.13
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	3	0.13
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	3	0.13
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	14	0.13
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	14	0.13
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	14	0.13
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	18	0.13
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	18	0.13
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	18	0.13
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	4	0.13
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	4	0.13
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	4	0.13
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	9	0.13
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	9	0.13
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	9	0.13
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	14	0.13
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	14	0.13
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	14	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	1	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	1	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	1	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	1	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	1	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	1	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	1	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	1	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	7	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	7	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	7	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	7	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	7	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	7	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	7	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	7	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	7	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	8	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	8	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	8	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	8	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	8	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	8	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	8	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	8	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	8	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	15	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	15	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	15	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	15	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	15	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	15	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	15	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	15	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	15	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	18	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	18	0.13
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	18	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	18	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	18	0.13
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	18	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	18	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	18	0.13
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2535)	1:27:A:ILE:HD11	1:27:A:ILE:HB	8	0.13
(1,2535)	1:27:A:ILE:HD12	1:27:A:ILE:HB	8	0.13
(1,2535)	1:27:A:ILE:HD13	1:27:A:ILE:HB	8	0.13
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	6	0.13
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	6	0.13
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	6	0.13
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	4	0.13
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	4	0.13
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	4	0.13
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	11	0.13
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	11	0.13
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	11	0.13
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	3	0.13
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	3	0.13
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	3	0.13
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	4	0.13
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	4	0.13
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	4	0.13
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	5	0.13
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	5	0.13
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	5	0.13
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	5	0.13
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	5	0.13
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	5	0.13
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	5	0.13
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	5	0.13
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	5	0.13
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	15	0.13
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	15	0.13
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	15	0.13
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	15	0.13
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	15	0.13
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	15	0.13
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	15	0.13
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	15	0.13
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	15	0.13
(1,2447)	1:4:A:LEU:HD11	1:69:A:LEU:HA	17	0.13
(1,2447)	1:4:A:LEU:HD12	1:69:A:LEU:HA	17	0.13
(1,2447)	1:4:A:LEU:HD13	1:69:A:LEU:HA	17	0.13
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	9	0.13
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	20	0.13
(1,2346)	1:148:A:LYS:HA	1:148:A:LYS:HG2	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2346)	1:148:A:LYS:HA	1:148:A:LYS:HG3	8	0.13
(1,2341)	1:145:A:MET:HA	1:145:A:MET:HG2	10	0.13
(1,2341)	1:145:A:MET:HA	1:145:A:MET:HG3	10	0.13
(1,2337)	1:144:A:MET:HA	1:144:A:MET:HG2	5	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	1	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	3	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	5	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	8	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	9	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	14	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	15	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	17	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	18	0.13
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	20	0.13
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	1	0.13
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	4	0.13
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	11	0.13
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	13	0.13
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	14	0.13
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	15	0.13
(1,2234)	1:119:A:GLU:HA	1:119:A:GLU:HG2	15	0.13
(1,2234)	1:119:A:GLU:HA	1:119:A:GLU:HG3	15	0.13
(1,2183)	1:105:A:LEU:HA	1:92:A:PHE:HD1	3	0.13
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	1	0.13
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	1	0.13
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	7	0.13
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	7	0.13
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	13	0.13
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	14	0.13
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	18	0.13
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	19	0.13
(1,2095)	1:74:A:ARG:HA	1:74:A:ARG:HG2	17	0.13
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB2	19	0.13
(1,2092)	1:74:A:ARG:HA	1:77:A:LYS:HB3	19	0.13
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	19	0.13
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	19	0.13
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	19	0.13
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	19	0.13
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	19	0.13
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	19	0.13
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	1	0.13
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	12	0.13
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	13	0.13
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	17	0.13
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	1	0.13
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	10	0.13
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	4	0.13
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	6	0.13
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	15	0.13
(1,1973)	1:45:A:GLU:HA	1:48:A:LEU:HB2	11	0.13
(1,1973)	1:45:A:GLU:HA	1:48:A:LEU:HB2	16	0.13
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	16	0.13
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	16	0.13
(1,1934)	1:29:A:THR:HA	1:32:A:LEU:HB2	18	0.13
(1,1933)	1:29:A:THR:HA	1:48:A:LEU:HD21	17	0.13
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD1	13	0.13
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD2	13	0.13
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	1	0.13
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	6	0.13
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	8	0.13
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	10	0.13
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	11	0.13
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	13	0.13
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	17	0.13
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	20	0.13
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	1	0.13
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	6	0.13
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	9	0.13
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	11	0.13
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	12	0.13
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	14	0.13
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	8	0.13
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	8	0.13
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	18	0.13
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	18	0.13
(1,1791)	1:135:A:GLN:HE22	1:134:A:GLY:HA2	6	0.13
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	2	0.13
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	4	0.13
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	6	0.13
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	8	0.13
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	11	0.13
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	12	0.13
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	14	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	19	0.13
(1,1746)	1:90:A:ARG:HE	1:90:A:ARG:HG2	20	0.13
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	13	0.13
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	13	0.13
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	2	0.13
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	10	0.13
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	18	0.13
(1,1697)	1:42:A:ASN:HD21	1:42:A:ASN:HB3	13	0.13
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	19	0.13
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE1	10	0.13
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE2	10	0.13
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE3	10	0.13
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG21	11	0.13
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG22	11	0.13
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG23	11	0.13
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	1	0.13
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	15	0.13
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	5	0.13
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	9	0.13
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	10	0.13
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	14	0.13
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	16	0.13
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	20	0.13
(1,1645)	1:145:A:MET:H	1:85:A:ILE:HG23	13	0.13
(1,1643)	1:145:A:MET:H	1:142:A:VAL:HG13	11	0.13
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	3	0.13
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	8	0.13
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	20	0.13
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	1	0.13
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	2	0.13
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	7	0.13
(1,1552)	1:138:A:TYR:H	1:138:A:TYR:HB3	9	0.13
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	6	0.13
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	6	0.13
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	9	0.13
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	9	0.13
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	4	0.13
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	4	0.13
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG21	1	0.13
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG22	1	0.13
(1,1536)	1:137:A:ASN:H	1:136:A:VAL:HG23	1	0.13
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	2	0.13
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	8	0.13
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	19	0.13
(1,1517)	1:136:A:VAL:H	1:100:A:ILE:HD13	13	0.13
(1,1490)	1:134:A:GLY:H	1:132:A:GLY:HA2	12	0.13
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	10	0.13
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	11	0.13
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	17	0.13
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	14	0.13
(1,1390)	1:127:A:GLU:H	1:127:A:GLU:HG2	15	0.13
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	4	0.13
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	5	0.13
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	10	0.13
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	13	0.13
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	14	0.13
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	19	0.13
(1,1275)	1:117:A:THR:H	1:116:A:LEU:HB3	15	0.13
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	3	0.13
(1,1235)	1:113:A:GLY:H	1:114:A:GLU:H	20	0.13
(1,1148)	1:105:A:LEU:H	1:104:A:GLU:HB2	1	0.13
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	7	0.13
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	11	0.13
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	15	0.13
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	19	0.13
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	20	0.13
(1,1103)	1:101:A:SER:H	1:104:A:GLU:H	16	0.13
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	7	0.13
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	10	0.13
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	9	0.13
(1,1069)	1:99:A:TYR:H	1:97:A:ASN:HD21	4	0.13
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	6	0.13
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	6	0.13
(1,1021)	1:94:A:LYS:H	1:104:A:GLU:HB3	1	0.13
(1,1014)	1:94:A:LYS:H	1:93:A:ASP:HB3	16	0.13
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	17	0.13
(1,998)	1:93:A:ASP:H	1:100:A:ILE:HG22	12	0.13
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	8	0.13
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	8	0.13
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	8	0.13
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	6	0.13
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	6	0.13
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	12	0.13
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	14	0.13
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	18	0.13
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	19	0.13
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	20	0.13
(1,912)	1:85:A:ILE:H	1:85:A:ILE:HG12	1	0.13
(1,907)	1:85:A:ILE:H	1:84:A:GLU:HB2	16	0.13
(1,880)	1:81:A:SER:H	1:80:A:ASP:HA	18	0.13
(1,864)	1:78:A:ASP:H	1:79:A:THR:H	7	0.13
(1,864)	1:78:A:ASP:H	1:79:A:THR:H	17	0.13
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	9	0.13
(1,858)	1:77:A:LYS:H	1:78:A:ASP:H	17	0.13
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	7	0.13
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	7	0.13
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	11	0.13
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	17	0.13
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	2	0.13
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	2	0.13
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	2	0.13
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	2	0.13
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	2	0.13
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	2	0.13
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	5	0.13
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	15	0.13
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	16	0.13
(1,774)	1:69:A:LEU:H	1:68:A:PHE:HB3	7	0.13
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	1	0.13
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	3	0.13
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	11	0.13
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	13	0.13
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	15	0.13
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	20	0.13
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	1	0.13
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	2	0.13
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	5	0.13
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	6	0.13
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	8	0.13
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	9	0.13
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	10	0.13
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD11	10	0.13
(1,679)	1:62:A:THR:H	1:28:A:THR:HG21	20	0.13
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	6	0.13
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	14	0.13
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG21	1	0.13
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	3	0.13
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	8	0.13
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	14	0.13
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	17	0.13
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	19	0.13
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	14	0.13
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	1	0.13
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	2	0.13
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	7	0.13
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	17	0.13
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	19	0.13
(1,589)	1:54:A:GLU:H	1:54:A:GLU:HG2	7	0.13
(1,587)	1:54:A:GLU:H	1:54:A:GLU:HB3	8	0.13
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	6	0.13
(1,510)	1:48:A:LEU:H	1:48:A:LEU:HB2	18	0.13
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG2	7	0.13
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG3	7	0.13
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG2	13	0.13
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG3	13	0.13
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	17	0.13
(1,473)	1:42:A:ASN:H	1:43:A:PRO:HD2	17	0.13
(1,441)	1:39:A:LEU:H	1:37:A:ARG:HA	15	0.13
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	11	0.13
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	15	0.13
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	19	0.13
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG22	5	0.13
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG22	17	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	4	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	4	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	4	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	4	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	4	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	4	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	6	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	6	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	6	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	6	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	6	0.13
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	2	0.13
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	10	0.13
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	13	0.13
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	15	0.13
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	16	0.13
(1,225)	1:21:A:LYS:H	1:35:A:VAL:HG11	6	0.13
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD11	14	0.13
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD12	14	0.13
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD13	14	0.13
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	19	0.13
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD1	13	0.13
(1,175)	1:17:A:SER:H	1:16:A:PHE:HD2	13	0.13
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	1	0.13
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	2	0.13
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	8	0.13
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	10	0.13
(1,102)	1:11:A:GLU:H	1:11:A:GLU:HB3	18	0.13
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	19	0.13
(1,13)	1:5:A:THR:H	1:9:A:ILE:HG12	7	0.13
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD21	14	0.13
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD22	14	0.13
(1,9)	1:5:A:THR:H	1:69:A:LEU:HD23	14	0.13
(1,7)	1:3:A:GLN:H	1:3:A:GLN:HG2	4	0.13
(1,7)	1:3:A:GLN:H	1:3:A:GLN:HG3	4	0.13
(1,1)	1:3:A:GLN:H	1:2:A:ASP:HB3	16	0.13
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	8	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	8	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	8	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	8	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	8	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	8	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	8	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	8	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	8	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	8	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	8	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	8	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	8	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	8	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	8	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	8	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	8	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG11	10	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG12	10	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG13	10	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG21	10	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG22	10	0.12
(2,4)	1:103:A:ALA:HB1	1:121:A:VAL:HG23	10	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG11	10	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG12	10	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG13	10	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG21	10	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG22	10	0.12
(2,4)	1:103:A:ALA:HB2	1:121:A:VAL:HG23	10	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG11	10	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG12	10	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG13	10	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG21	10	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG22	10	0.12
(2,4)	1:103:A:ALA:HB3	1:121:A:VAL:HG23	10	0.12
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	16	0.12
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	16	0.12
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	16	0.12
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	3	0.12
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	3	0.12
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	3	0.12
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	3	0.12
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	3	0.12
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	3	0.12
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	10	0.12
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	10	0.12
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	10	0.12
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	10	0.12
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	10	0.12
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	10	0.12
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	13	0.12
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	13	0.12
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	13	0.12
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	13	0.12
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	13	0.12
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	13	0.12
(1,3387)	2:211:B:ALA:HB1	2:212:B:LYS:H	14	0.12
(1,3387)	2:211:B:ALA:HB2	2:212:B:LYS:H	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3387)	2:211:B:ALA:HB3	2:212:B:LYS:H	14	0.12
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	5	0.12
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	5	0.12
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	5	0.12
(1,3386)	2:211:B:ALA:HB1	2:211:B:ALA:H	20	0.12
(1,3386)	2:211:B:ALA:HB2	2:211:B:ALA:H	20	0.12
(1,3386)	2:211:B:ALA:HB3	2:211:B:ALA:H	20	0.12
(1,3384)	2:208:B:LEU:HB2	2:205:B:MET:HA	9	0.12
(1,3384)	2:208:B:LEU:HB3	2:205:B:MET:HA	9	0.12
(1,3384)	2:208:B:LEU:HB2	2:205:B:MET:HA	11	0.12
(1,3384)	2:208:B:LEU:HB3	2:205:B:MET:HA	11	0.12
(1,3382)	2:208:B:LEU:HB2	2:208:B:LEU:H	10	0.12
(1,3382)	2:208:B:LEU:HB3	2:208:B:LEU:H	10	0.12
(1,3382)	2:208:B:LEU:HB2	2:208:B:LEU:H	15	0.12
(1,3382)	2:208:B:LEU:HB3	2:208:B:LEU:H	15	0.12
(1,3380)	2:208:B:LEU:HD21	2:208:B:LEU:H	4	0.12
(1,3380)	2:208:B:LEU:HD22	2:208:B:LEU:H	4	0.12
(1,3380)	2:208:B:LEU:HD23	2:208:B:LEU:H	4	0.12
(1,3375)	2:208:B:LEU:HD11	2:208:B:LEU:HA	6	0.12
(1,3375)	2:208:B:LEU:HD12	2:208:B:LEU:HA	6	0.12
(1,3375)	2:208:B:LEU:HD13	2:208:B:LEU:HA	6	0.12
(1,3371)	2:208:B:LEU:HG	2:205:B:MET:HA	18	0.12
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	2	0.12
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	7	0.12
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	9	0.12
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	10	0.12
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	12	0.12
(1,3346)	2:204:B:PHE:HE2	1:39:A:LEU:HD13	13	0.12
(1,3343)	2:204:B:PHE:HB2	2:201:B:MET:HA	19	0.12
(1,3343)	2:204:B:PHE:HB3	2:201:B:MET:HA	19	0.12
(1,3324)	2:201:B:MET:HG2	1:39:A:LEU:HD11	18	0.12
(1,3288)	2:205:B:MET:HA	2:205:B:MET:H	18	0.12
(1,3276)	2:201:B:MET:HA	2:204:B:PHE:HB2	13	0.12
(1,3276)	2:201:B:MET:HA	2:204:B:PHE:HB3	13	0.12
(1,3275)	2:219:B:ALA:H	2:216:B:VAL:HA	2	0.12
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	2	0.12
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	11	0.12
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	20	0.12
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	5	0.12
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	10	0.12
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	15	0.12
(1,3222)	2:205:B:MET:H	2:205:B:MET:HG3	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3215)	2:204:B:PHE:H	2:201:B:MET:HA	3	0.12
(1,3215)	2:204:B:PHE:H	2:201:B:MET:HA	18	0.12
(1,3213)	2:204:B:PHE:H	2:205:B:MET:H	1	0.12
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	5	0.12
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	12	0.12
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	15	0.12
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	3	0.12
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	16	0.12
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	9	0.12
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	9	0.12
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	9	0.12
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	9	0.12
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	8	0.12
(1,3168)	1:99:A:TYR:HD1	1:99:A:TYR:HA	5	0.12
(1,3168)	1:99:A:TYR:HD2	1:99:A:TYR:HA	5	0.12
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	14	0.12
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	14	0.12
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	10	0.12
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	10	0.12
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	18	0.12
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	18	0.12
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	18	0.12
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	18	0.12
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	19	0.12
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	19	0.12
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	19	0.12
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	19	0.12
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB2	20	0.12
(1,3154)	1:99:A:TYR:HE1	1:137:A:ASN:HB3	20	0.12
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB2	20	0.12
(1,3154)	1:99:A:TYR:HE2	1:137:A:ASN:HB3	20	0.12
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD1	4	0.12
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD2	4	0.12
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD1	13	0.12
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD2	13	0.12
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD1	16	0.12
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD2	16	0.12
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	6	0.12
(1,3128)	1:65:A:PHE:HD2	1:65:A:PHE:H	2	0.12
(1,3128)	1:65:A:PHE:HD2	1:65:A:PHE:H	3	0.12
(1,3128)	1:65:A:PHE:HD1	1:65:A:PHE:H	7	0.12
(1,3128)	1:65:A:PHE:HD1	1:65:A:PHE:H	18	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3127)	1:65:A:PHE:HD1	1:16:A:PHE:HD1	12	0.12
(1,3127)	1:65:A:PHE:HD1	1:16:A:PHE:HD2	12	0.12
(1,3127)	1:65:A:PHE:HD2	1:16:A:PHE:HD1	12	0.12
(1,3127)	1:65:A:PHE:HD2	1:16:A:PHE:HD2	12	0.12
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD11	2	0.12
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD12	2	0.12
(1,3120)	1:19:A:PHE:HD1	1:27:A:ILE:HD13	2	0.12
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD11	2	0.12
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD12	2	0.12
(1,3120)	1:19:A:PHE:HD2	1:27:A:ILE:HD13	2	0.12
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD11	13	0.12
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD12	13	0.12
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD13	13	0.12
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD11	13	0.12
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD12	13	0.12
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD13	13	0.12
(1,3109)	1:145:A:MET:HG2	1:146:A:THR:H	18	0.12
(1,3109)	1:145:A:MET:HG3	1:146:A:THR:H	18	0.12
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	1	0.12
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	1	0.12
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	4	0.12
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	4	0.12
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	7	0.12
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	9	0.12
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	14	0.12
(1,3098)	1:144:A:MET:HG2	1:141:A:PHE:HA	18	0.12
(1,3097)	1:144:A:MET:HG3	1:144:A:MET:HA	1	0.12
(1,3097)	1:144:A:MET:HG3	1:144:A:MET:HA	17	0.12
(1,3091)	1:124:A:MET:HG3	1:124:A:MET:HA	17	0.12
(1,3087)	1:124:A:MET:HG2	1:121:A:VAL:HA	16	0.12
(1,3068)	1:76:A:MET:HG3	1:73:A:ALA:HA	10	0.12
(1,3068)	1:76:A:MET:HG3	1:73:A:ALA:HA	19	0.12
(1,3066)	1:76:A:MET:HG2	1:77:A:LYS:H	16	0.12
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	20	0.12
(1,3038)	1:51:A:MET:HG3	1:51:A:MET:H	7	0.12
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	1	0.12
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	1	0.12
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	1	0.12
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	1	0.12
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	1	0.12
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	1	0.12
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	12	0.12
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	5	0.12
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	7	0.12
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	9	0.12
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	11	0.12
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	12	0.12
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	14	0.12
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	19	0.12
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB2	2	0.12
(1,3017)	1:145:A:MET:HE1	1:144:A:MET:HB3	2	0.12
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB2	2	0.12
(1,3017)	1:145:A:MET:HE2	1:144:A:MET:HB3	2	0.12
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB2	2	0.12
(1,3017)	1:145:A:MET:HE3	1:144:A:MET:HB3	2	0.12
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	2	0.12
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	2	0.12
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	2	0.12
(1,3016)	1:145:A:MET:HE1	1:141:A:PHE:HA	18	0.12
(1,3016)	1:145:A:MET:HE2	1:141:A:PHE:HA	18	0.12
(1,3016)	1:145:A:MET:HE3	1:141:A:PHE:HA	18	0.12
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	4	0.12
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	4	0.12
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	4	0.12
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG11	3	0.12
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG12	3	0.12
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG13	3	0.12
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG11	3	0.12
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG12	3	0.12
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG13	3	0.12
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG11	3	0.12
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG12	3	0.12
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG13	3	0.12
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG11	10	0.12
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG12	10	0.12
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG13	10	0.12
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG11	10	0.12
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG12	10	0.12
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG13	10	0.12
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG11	10	0.12
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG12	10	0.12
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG13	10	0.12
(1,3003)	1:144:A:MET:HE1	1:144:A:MET:HG3	15	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3003)	1:144:A:MET:HE2	1:144:A:MET:HG3	15	0.12
(1,3003)	1:144:A:MET:HE3	1:144:A:MET:HG3	15	0.12
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	5	0.12
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	5	0.12
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	5	0.12
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	6	0.12
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	6	0.12
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	6	0.12
(1,2998)	1:142:A:VAL:HG11	1:143:A:GLN:HA	14	0.12
(1,2998)	1:142:A:VAL:HG12	1:143:A:GLN:HA	14	0.12
(1,2998)	1:142:A:VAL:HG13	1:143:A:GLN:HA	14	0.12
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD1	4	0.12
(1,2995)	1:142:A:VAL:HG21	1:141:A:PHE:HD2	4	0.12
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD1	4	0.12
(1,2995)	1:142:A:VAL:HG22	1:141:A:PHE:HD2	4	0.12
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD1	4	0.12
(1,2995)	1:142:A:VAL:HG23	1:141:A:PHE:HD2	4	0.12
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	3	0.12
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	3	0.12
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	3	0.12
(1,2988)	1:142:A:VAL:HG21	1:141:A:PHE:HB3	18	0.12
(1,2988)	1:142:A:VAL:HG22	1:141:A:PHE:HB3	18	0.12
(1,2988)	1:142:A:VAL:HG23	1:141:A:PHE:HB3	18	0.12
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	3	0.12
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	3	0.12
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	3	0.12
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	7	0.12
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	7	0.12
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	7	0.12
(1,2974)	1:136:A:VAL:HG21	1:100:A:ILE:HB	7	0.12
(1,2974)	1:136:A:VAL:HG22	1:100:A:ILE:HB	7	0.12
(1,2974)	1:136:A:VAL:HG23	1:100:A:ILE:HB	7	0.12
(1,2974)	1:136:A:VAL:HG21	1:100:A:ILE:HB	10	0.12
(1,2974)	1:136:A:VAL:HG22	1:100:A:ILE:HB	10	0.12
(1,2974)	1:136:A:VAL:HG23	1:100:A:ILE:HB	10	0.12
(1,2974)	1:136:A:VAL:HG21	1:100:A:ILE:HB	18	0.12
(1,2974)	1:136:A:VAL:HG22	1:100:A:ILE:HB	18	0.12
(1,2974)	1:136:A:VAL:HG23	1:100:A:ILE:HB	18	0.12
(1,2974)	1:136:A:VAL:HG21	1:100:A:ILE:HB	19	0.12
(1,2974)	1:136:A:VAL:HG22	1:100:A:ILE:HB	19	0.12
(1,2974)	1:136:A:VAL:HG23	1:100:A:ILE:HB	19	0.12
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	1	0.12
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	1	0.12
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	1	0.12
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	1	0.12
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	1	0.12
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB2	16	0.12
(1,2960)	1:130:A:ILE:HD11	1:143:A:GLN:HB3	16	0.12
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB2	16	0.12
(1,2960)	1:130:A:ILE:HD12	1:143:A:GLN:HB3	16	0.12
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB2	16	0.12
(1,2960)	1:130:A:ILE:HD13	1:143:A:GLN:HB3	16	0.12
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	1	0.12
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	1	0.12
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	1	0.12
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	18	0.12
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	18	0.12
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	18	0.12
(1,2957)	1:130:A:ILE:HD11	1:143:A:GLN:HE22	13	0.12
(1,2957)	1:130:A:ILE:HD12	1:143:A:GLN:HE22	13	0.12
(1,2957)	1:130:A:ILE:HD13	1:143:A:GLN:HE22	13	0.12
(1,2950)	1:130:A:ILE:HG21	1:131:A:ASP:HA	5	0.12
(1,2950)	1:130:A:ILE:HG22	1:131:A:ASP:HA	5	0.12
(1,2950)	1:130:A:ILE:HG23	1:131:A:ASP:HA	5	0.12
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	5	0.12
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	5	0.12
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	5	0.12
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	10	0.12
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	10	0.12
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	10	0.12
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG21	1	0.12
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG22	1	0.12
(1,2938)	1:128:A:ALA:HB1	1:136:A:VAL:HG23	1	0.12
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG21	1	0.12
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG22	1	0.12
(1,2938)	1:128:A:ALA:HB2	1:136:A:VAL:HG23	1	0.12
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG21	1	0.12
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG22	1	0.12
(1,2938)	1:128:A:ALA:HB3	1:136:A:VAL:HG23	1	0.12
(1,2927)	1:125:A:ILE:HD11	1:105:A:LEU:HB3	14	0.12
(1,2927)	1:125:A:ILE:HD12	1:105:A:LEU:HB3	14	0.12
(1,2927)	1:125:A:ILE:HD13	1:105:A:LEU:HB3	14	0.12
(1,2916)	1:124:A:MET:HE1	1:124:A:MET:HA	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2916)	1:124:A:MET:HE2	1:124:A:MET:HA	17	0.12
(1,2916)	1:124:A:MET:HE3	1:124:A:MET:HA	17	0.12
(1,2914)	1:124:A:MET:HE1	1:124:A:MET:HG3	7	0.12
(1,2914)	1:124:A:MET:HE2	1:124:A:MET:HG3	7	0.12
(1,2914)	1:124:A:MET:HE3	1:124:A:MET:HG3	7	0.12
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	10	0.12
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	10	0.12
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	10	0.12
(1,2911)	1:124:A:MET:HE1	1:124:A:MET:H	18	0.12
(1,2911)	1:124:A:MET:HE2	1:124:A:MET:H	18	0.12
(1,2911)	1:124:A:MET:HE3	1:124:A:MET:H	18	0.12
(1,2893)	1:121:A:VAL:HG21	1:120:A:GLU:H	20	0.12
(1,2893)	1:121:A:VAL:HG22	1:120:A:GLU:H	20	0.12
(1,2893)	1:121:A:VAL:HG23	1:120:A:GLU:H	20	0.12
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	14	0.12
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	14	0.12
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	14	0.12
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE1	1	0.12
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE2	1	0.12
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE3	1	0.12
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE1	1	0.12
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE2	1	0.12
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE3	1	0.12
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE1	1	0.12
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE2	1	0.12
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE3	1	0.12
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	1	0.12
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	1	0.12
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	1	0.12
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	4	0.12
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	4	0.12
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	4	0.12
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	10	0.12
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	10	0.12
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	10	0.12
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	11	0.12
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	11	0.12
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	11	0.12
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	14	0.12
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	14	0.12
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	14	0.12
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	14	0.12
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	14	0.12
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	14	0.12
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	14	0.12
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	14	0.12
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	18	0.12
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	18	0.12
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	18	0.12
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	18	0.12
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	18	0.12
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	18	0.12
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	18	0.12
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	18	0.12
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	18	0.12
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	7	0.12
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	7	0.12
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	7	0.12
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	17	0.12
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	17	0.12
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	17	0.12
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	2	0.12
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	2	0.12
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	2	0.12
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	8	0.12
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	8	0.12
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	8	0.12
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	9	0.12
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	9	0.12
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	9	0.12
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	14	0.12
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	14	0.12
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	14	0.12
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	17	0.12
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	17	0.12
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	17	0.12
(1,2842)	1:105:A:LEU:HD21	1:105:A:LEU:HB3	18	0.12
(1,2842)	1:105:A:LEU:HD22	1:105:A:LEU:HB3	18	0.12
(1,2842)	1:105:A:LEU:HD23	1:105:A:LEU:HB3	18	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG11	11	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG12	11	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG13	11	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG21	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG22	11	0.12
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG23	11	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG11	11	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG12	11	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG13	11	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG21	11	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG22	11	0.12
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG23	11	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG11	11	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG12	11	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG13	11	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG21	11	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG22	11	0.12
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG23	11	0.12
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD1	14	0.12
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD2	14	0.12
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD1	14	0.12
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD2	14	0.12
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD1	14	0.12
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD2	14	0.12
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD1	16	0.12
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD2	16	0.12
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD1	16	0.12
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD2	16	0.12
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD1	16	0.12
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD2	16	0.12
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD1	20	0.12
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD2	20	0.12
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD1	20	0.12
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD2	20	0.12
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD1	20	0.12
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD2	20	0.12
(1,2802)	1:100:A:ILE:HG21	1:93:A:ASP:HA	9	0.12
(1,2802)	1:100:A:ILE:HG22	1:93:A:ASP:HA	9	0.12
(1,2802)	1:100:A:ILE:HG23	1:93:A:ASP:HA	9	0.12
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	16	0.12
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	16	0.12
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	16	0.12
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	16	0.12
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	16	0.12
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	16	0.12
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	16	0.12
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	16	0.12
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	20	0.12
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	20	0.12
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	20	0.12
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	20	0.12
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	20	0.12
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	20	0.12
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	20	0.12
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	20	0.12
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	20	0.12
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	19	0.12
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	19	0.12
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	19	0.12
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	9	0.12
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	9	0.12
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	9	0.12
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	20	0.12
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	20	0.12
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	20	0.12
(1,2771)	1:85:A:ILE:HG21	1:142:A:VAL:HA	14	0.12
(1,2771)	1:85:A:ILE:HG22	1:142:A:VAL:HA	14	0.12
(1,2771)	1:85:A:ILE:HG23	1:142:A:VAL:HA	14	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD21	4	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD22	4	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD23	4	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD21	4	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD22	4	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD23	4	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD21	4	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD22	4	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD23	4	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD21	7	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD22	7	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD23	7	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD21	7	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD22	7	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD23	7	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD21	7	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD22	7	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD23	7	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD21	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD22	10	0.12
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD23	10	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD21	10	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD22	10	0.12
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD23	10	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD21	10	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD22	10	0.12
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD23	10	0.12
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	3	0.12
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	3	0.12
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	3	0.12
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	5	0.12
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	5	0.12
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	5	0.12
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	11	0.12
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	11	0.12
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	11	0.12
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	17	0.12
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	17	0.12
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	17	0.12
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	17	0.12
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	17	0.12
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	17	0.12
(1,2721)	1:69:A:LEU:HD21	1:69:A:LEU:H	12	0.12
(1,2721)	1:69:A:LEU:HD22	1:69:A:LEU:H	12	0.12
(1,2721)	1:69:A:LEU:HD23	1:69:A:LEU:H	12	0.12
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	19	0.12
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	19	0.12
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	19	0.12
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	19	0.12
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	19	0.12
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	19	0.12
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	7	0.12
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	7	0.12
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	7	0.12
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	18	0.12
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	18	0.12
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	18	0.12
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	19	0.12
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	19	0.12
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	19	0.12
(1,2666)	1:55:A:VAL:HG21	1:52:A:ILE:HA	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2666)	1:55:A:VAL:HG22	1:52:A:ILE:HA	6	0.12
(1,2666)	1:55:A:VAL:HG23	1:52:A:ILE:HA	6	0.12
(1,2666)	1:55:A:VAL:HG21	1:52:A:ILE:HA	11	0.12
(1,2666)	1:55:A:VAL:HG22	1:52:A:ILE:HA	11	0.12
(1,2666)	1:55:A:VAL:HG23	1:52:A:ILE:HA	11	0.12
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	11	0.12
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	11	0.12
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	11	0.12
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	14	0.12
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	14	0.12
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	14	0.12
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	15	0.12
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	15	0.12
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	15	0.12
(1,2662)	1:55:A:VAL:HG21	1:71:A:MET:HB3	13	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	12	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	12	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	12	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	12	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	12	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	12	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	12	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	12	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	12	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	14	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	14	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	14	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	14	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	14	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	14	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	14	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	14	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	14	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	20	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	20	0.12
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	20	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	20	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	20	0.12
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	20	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	20	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	20	0.12
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	9	0.12
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	9	0.12
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	9	0.12
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	11	0.12
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	11	0.12
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	11	0.12
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	13	0.12
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	13	0.12
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	13	0.12
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	4	0.12
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	4	0.12
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	4	0.12
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	5	0.12
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	5	0.12
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	5	0.12
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	2	0.12
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	2	0.12
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	2	0.12
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	7	0.12
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	7	0.12
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	7	0.12
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	8	0.12
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	8	0.12
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	8	0.12
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	12	0.12
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	12	0.12
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	12	0.12
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	18	0.12
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	18	0.12
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	18	0.12
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	8	0.12
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	8	0.12
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	8	0.12
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	14	0.12
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	14	0.12
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	14	0.12
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	18	0.12
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	18	0.12
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	18	0.12
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	5	0.12
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	5	0.12
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	6	0.12
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	6	0.12
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	6	0.12
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	12	0.12
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	12	0.12
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	12	0.12
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	13	0.12
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	13	0.12
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	13	0.12
(1,2557)	1:29:A:THR:HG21	1:52:A:ILE:HB	11	0.12
(1,2557)	1:29:A:THR:HG22	1:52:A:ILE:HB	11	0.12
(1,2557)	1:29:A:THR:HG23	1:52:A:ILE:HB	11	0.12
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	20	0.12
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	20	0.12
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	20	0.12
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	15	0.12
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	15	0.12
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	15	0.12
(1,2547)	1:29:A:THR:HG21	1:30:A:LYS:H	17	0.12
(1,2547)	1:29:A:THR:HG22	1:30:A:LYS:H	17	0.12
(1,2547)	1:29:A:THR:HG23	1:30:A:LYS:H	17	0.12
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	12	0.12
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	12	0.12
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	12	0.12
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	2	0.12
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	2	0.12
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	2	0.12
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	2	0.12
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	2	0.12
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	2	0.12
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	2	0.12
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	2	0.12
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	2	0.12
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	20	0.12
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	20	0.12
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	20	0.12
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	20	0.12
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	20	0.12
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	20	0.12
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	20	0.12
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	20	0.12
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	13	0.12
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	13	0.12
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	13	0.12
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	20	0.12
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	20	0.12
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	20	0.12
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	2	0.12
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	2	0.12
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	2	0.12
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	8	0.12
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	8	0.12
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	8	0.12
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	13	0.12
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	13	0.12
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	13	0.12
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	17	0.12
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	17	0.12
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	17	0.12
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	19	0.12
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	19	0.12
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	19	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	4	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	4	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	4	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	4	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	4	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	4	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	4	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	4	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	4	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	6	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	6	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	6	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	6	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	6	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	6	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	6	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	6	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	6	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	11	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	11	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	11	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	11	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	11	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	11	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	11	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	11	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	11	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD11	17	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD12	17	0.12
(1,2474)	1:9:A:ILE:HG21	1:9:A:ILE:HD13	17	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD11	17	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD12	17	0.12
(1,2474)	1:9:A:ILE:HG22	1:9:A:ILE:HD13	17	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD11	17	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD12	17	0.12
(1,2474)	1:9:A:ILE:HG23	1:9:A:ILE:HD13	17	0.12
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	3	0.12
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	3	0.12
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	3	0.12
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	9	0.12
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	9	0.12
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	9	0.12
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	9	0.12
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	9	0.12
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	9	0.12
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD11	6	0.12
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD12	6	0.12
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD13	6	0.12
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD21	6	0.12
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD22	6	0.12
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD23	6	0.12
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	14	0.12
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	14	0.12
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	14	0.12
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	14	0.12
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	14	0.12
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	14	0.12
(1,2371)	1:64:A:ASP:HA	1:16:A:PHE:HZ	10	0.12
(1,2341)	1:145:A:MET:HA	1:145:A:MET:HG2	11	0.12
(1,2341)	1:145:A:MET:HA	1:145:A:MET:HG3	11	0.12
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE1	4	0.12
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE2	4	0.12
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE3	4	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	4	0.12
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	4	0.12
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	4	0.12
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	7	0.12
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	10	0.12
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	16	0.12
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	3	0.12
(1,2246)	1:121:A:VAL:HA	1:124:A:MET:HB2	14	0.12
(1,2221)	1:115:A:LYS:HA	1:115:A:LYS:HB3	5	0.12
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	3	0.12
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	3	0.12
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	10	0.12
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	10	0.12
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	15	0.12
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	15	0.12
(1,2179)	1:103:A:ALA:HA	1:106:A:ARG:HD2	11	0.12
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	8	0.12
(1,2124)	1:86:A:ARG:HA	1:89:A:PHE:HB3	20	0.12
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	20	0.12
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	10	0.12
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	12	0.12
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	12	0.12
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG2	3	0.12
(1,2100)	1:75:A:LYS:HA	1:75:A:LYS:HG3	3	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	6	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	6	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	6	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	6	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	6	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	6	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	7	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	7	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	7	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	7	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	7	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	7	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	10	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	10	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	10	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	10	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	10	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	20	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	20	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	20	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	20	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	20	0.12
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	20	0.12
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	5	0.12
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	5	0.12
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE1	15	0.12
(1,2085)	1:73:A:ALA:HA	1:12:A:PHE:HE2	15	0.12
(1,2078)	1:72:A:MET:HA	1:75:A:LYS:HB2	5	0.12
(1,2078)	1:72:A:MET:HA	1:75:A:LYS:HB3	5	0.12
(1,2072)	1:71:A:MET:HA	1:71:A:MET:HG3	6	0.12
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	6	0.12
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	16	0.12
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	4	0.12
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	5	0.12
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	10	0.12
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	19	0.12
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	1	0.12
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	4	0.12
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	5	0.12
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	11	0.12
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	15	0.12
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	16	0.12
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	3	0.12
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	13	0.12
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	7	0.12
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	12	0.12
(1,1993)	1:48:A:LEU:HA	1:51:A:MET:HB3	15	0.12
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	5	0.12
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	5	0.12
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	3	0.12
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	7	0.12
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	9	0.12
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	16	0.12
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	19	0.12
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	5	0.12
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	7	0.12
(1,1874)	1:11:A:GLU:HA	1:11:A:GLU:HB3	19	0.12
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	6	0.12
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	20	0.12
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	20	0.12
(1,1791)	1:135:A:GLN:HE22	1:134:A:GLY:HA2	18	0.12
(1,1784)	1:135:A:GLN:HE22	1:133:A:ASP:HB3	12	0.12
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB2	3	0.12
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB3	3	0.12
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB2	12	0.12
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB3	12	0.12
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	15	0.12
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	16	0.12
(1,1714)	1:49:A:GLN:HE21	1:53:A:ASN:HD21	17	0.12
(1,1702)	1:49:A:GLN:HE22	1:61:A:GLY:HA3	1	0.12
(1,1702)	1:49:A:GLN:HE22	1:61:A:GLY:HA3	3	0.12
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE1	8	0.12
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE2	8	0.12
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE3	8	0.12
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	11	0.12
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	13	0.12
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	7	0.12
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	13	0.12
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	19	0.12
(1,1665)	1:147:A:ALA:H	1:143:A:GLN:HA	10	0.12
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	4	0.12
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD1	7	0.12
(1,1550)	1:138:A:TYR:H	1:138:A:TYR:HD2	7	0.12
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	1	0.12
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	1	0.12
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	6	0.12
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	6	0.12
(1,1517)	1:136:A:VAL:H	1:100:A:ILE:HD11	8	0.12
(1,1501)	1:135:A:GLN:H	1:136:A:VAL:HA	18	0.12
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	14	0.12
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	19	0.12
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	20	0.12
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	6	0.12
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	7	0.12
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	8	0.12
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	20	0.12
(1,1439)	1:130:A:ILE:H	1:140:A:GLU:HB2	5	0.12
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	2	0.12
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	5	0.12
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	7	0.12
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	9	0.12
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	12	0.12
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	18	0.12
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	20	0.12
(1,1361)	1:124:A:MET:H	1:124:A:MET:HG2	6	0.12
(1,1336)	1:121:A:VAL:H	1:120:A:GLU:HB2	6	0.12
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	7	0.12
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	8	0.12
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	18	0.12
(1,1272)	1:116:A:LEU:H	1:120:A:GLU:HB2	20	0.12
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	14	0.12
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	19	0.12
(1,1235)	1:113:A:GLY:H	1:114:A:GLU:H	6	0.12
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD13	13	0.12
(1,1197)	1:109:A:MET:H	1:109:A:MET:HG3	5	0.12
(1,1148)	1:105:A:LEU:H	1:104:A:GLU:HB2	2	0.12
(1,1148)	1:105:A:LEU:H	1:104:A:GLU:HB2	3	0.12
(1,1148)	1:105:A:LEU:H	1:104:A:GLU:HB2	4	0.12
(1,1148)	1:105:A:LEU:H	1:104:A:GLU:HB2	15	0.12
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG21	9	0.12
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	10	0.12
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	12	0.12
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	14	0.12
(1,1102)	1:101:A:SER:H	1:104:A:GLU:HB3	9	0.12
(1,1088)	1:101:A:SER:H	1:100:A:ILE:HG12	14	0.12
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	1	0.12
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	8	0.12
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	12	0.12
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	12	0.12
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	19	0.12
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	19	0.12
(1,1021)	1:94:A:LYS:H	1:104:A:GLU:HB3	2	0.12
(1,1021)	1:94:A:LYS:H	1:104:A:GLU:HB3	15	0.12
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	14	0.12
(1,998)	1:93:A:ASP:H	1:100:A:ILE:HG21	7	0.12
(1,998)	1:93:A:ASP:H	1:100:A:ILE:HG23	10	0.12
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	12	0.12
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	12	0.12
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	12	0.12
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	19	0.12
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	19	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	19	0.12
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	20	0.12
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	20	0.12
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	20	0.12
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	8	0.12
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	8	0.12
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	12	0.12
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	12	0.12
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	16	0.12
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	16	0.12
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE1	20	0.12
(1,945)	1:89:A:PHE:H	1:141:A:PHE:HE2	20	0.12
(1,931)	1:87:A:GLU:H	1:86:A:ARG:HB2	7	0.12
(1,880)	1:81:A:SER:H	1:80:A:ASP:HA	3	0.12
(1,880)	1:81:A:SER:H	1:80:A:ASP:HA	19	0.12
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	1	0.12
(1,858)	1:77:A:LYS:H	1:78:A:ASP:H	7	0.12
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG2	14	0.12
(1,854)	1:77:A:LYS:H	1:77:A:LYS:HG3	14	0.12
(1,851)	1:76:A:MET:H	1:76:A:MET:HB2	15	0.12
(1,851)	1:76:A:MET:H	1:76:A:MET:HB3	15	0.12
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	19	0.12
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	19	0.12
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	15	0.12
(1,836)	1:74:A:ARG:H	1:74:A:ARG:HG2	16	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	5	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	5	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	5	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	5	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	5	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	5	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD11	16	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD12	16	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD13	16	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD21	16	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD22	16	0.12
(1,823)	1:73:A:ALA:H	1:69:A:LEU:HD23	16	0.12
(1,819)	1:73:A:ALA:H	1:72:A:MET:HB2	18	0.12
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD1	5	0.12
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD2	5	0.12
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD1	6	0.12
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD2	6	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD1	14	0.12
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD2	14	0.12
(1,759)	1:68:A:PHE:H	1:67:A:GLU:HA	1	0.12
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	9	0.12
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	12	0.12
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	14	0.12
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	3	0.12
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	15	0.12
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	18	0.12
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	19	0.12
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	20	0.12
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD11	6	0.12
(1,679)	1:62:A:THR:H	1:28:A:THR:HG21	11	0.12
(1,679)	1:62:A:THR:H	1:28:A:THR:HG23	17	0.12
(1,678)	1:62:A:THR:H	1:60:A:ASN:HB2	4	0.12
(1,652)	1:60:A:ASN:H	1:59:A:GLY:H	2	0.12
(1,652)	1:60:A:ASN:H	1:59:A:GLY:H	18	0.12
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	13	0.12
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	1	0.12
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	16	0.12
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	2	0.12
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	3	0.12
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	4	0.12
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	13	0.12
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	15	0.12
(1,607)	1:55:A:VAL:H	1:54:A:GLU:HB2	16	0.12
(1,590)	1:54:A:GLU:H	1:54:A:GLU:HG3	6	0.12
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	9	0.12
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	18	0.12
(1,472)	1:42:A:ASN:H	1:41:A:GLN:HB2	12	0.12
(1,441)	1:39:A:LEU:H	1:37:A:ARG:HA	20	0.12
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG21	1	0.12
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG22	1	0.12
(1,425)	1:38:A:SER:H	1:35:A:VAL:HG23	1	0.12
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	3	0.12
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	20	0.12
(1,372)	1:32:A:LEU:H	1:52:A:ILE:HD11	14	0.12
(1,364)	1:32:A:LEU:H	1:32:A:LEU:HB3	3	0.12
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG23	16	0.12
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG23	18	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	3	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	3	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	3	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	3	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	3	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	5	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	5	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	5	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	5	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	5	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	5	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	7	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	7	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	7	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	7	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	7	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	7	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	10	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	10	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	10	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	10	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	10	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	10	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	12	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	12	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	12	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	12	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	12	0.12
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	12	0.12
(1,339)	1:30:A:LYS:H	1:52:A:ILE:HD12	10	0.12
(1,313)	1:28:A:THR:H	1:31:A:GLU:HB3	14	0.12
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	1	0.12
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	7	0.12
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	20	0.12
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	18	0.12
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	11	0.12
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	20	0.12
(1,72)	1:9:A:ILE:H	1:4:A:LEU:HG	12	0.12
(1,54)	1:8:A:GLN:H	1:4:A:LEU:HD11	20	0.12
(1,54)	1:8:A:GLN:H	1:4:A:LEU:HD12	20	0.12
(1,54)	1:8:A:GLN:H	1:4:A:LEU:HD13	20	0.12
(1,54)	1:8:A:GLN:H	1:4:A:LEU:HD21	20	0.12
(1,54)	1:8:A:GLN:H	1:4:A:LEU:HD22	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,54)	1:8:A:GLN:H	1:4:A:LEU:HD23	20	0.12
(1,53)	1:8:A:GLN:H	1:7:A:GLU:HB3	4	0.12
(1,13)	1:5:A:THR:H	1:9:A:ILE:HG12	15	0.12
(1,13)	1:5:A:THR:H	1:9:A:ILE:HG12	19	0.12
(1,7)	1:3:A:GLN:H	1:3:A:GLN:HG2	7	0.12
(1,7)	1:3:A:GLN:H	1:3:A:GLN:HG3	7	0.12
(2,8)	2:204:B:PHE:HB2	1:91:A:VAL:HG21	16	0.11
(2,8)	2:204:B:PHE:HB2	1:91:A:VAL:HG22	16	0.11
(2,8)	2:204:B:PHE:HB2	1:91:A:VAL:HG23	16	0.11
(2,8)	2:204:B:PHE:HB3	1:91:A:VAL:HG21	16	0.11
(2,8)	2:204:B:PHE:HB3	1:91:A:VAL:HG22	16	0.11
(2,8)	2:204:B:PHE:HB3	1:91:A:VAL:HG23	16	0.11
(2,8)	2:204:B:PHE:HB2	1:91:A:VAL:HG21	20	0.11
(2,8)	2:204:B:PHE:HB2	1:91:A:VAL:HG22	20	0.11
(2,8)	2:204:B:PHE:HB2	1:91:A:VAL:HG23	20	0.11
(2,8)	2:204:B:PHE:HB3	1:91:A:VAL:HG21	20	0.11
(2,8)	2:204:B:PHE:HB3	1:91:A:VAL:HG22	20	0.11
(2,8)	2:204:B:PHE:HB3	1:91:A:VAL:HG23	20	0.11
(1,3438)	1:39:A:LEU:HD21	1:108:A:VAL:HA	5	0.11
(1,3438)	1:39:A:LEU:HD22	1:108:A:VAL:HA	5	0.11
(1,3438)	1:39:A:LEU:HD23	1:108:A:VAL:HA	5	0.11
(1,3403)	2:218:B:ALA:HB1	2:215:B:VAL:HA	11	0.11
(1,3403)	2:218:B:ALA:HB2	2:215:B:VAL:HA	11	0.11
(1,3403)	2:218:B:ALA:HB3	2:215:B:VAL:HA	11	0.11
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	5	0.11
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	5	0.11
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	5	0.11
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	5	0.11
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	5	0.11
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	5	0.11
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	8	0.11
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	8	0.11
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	8	0.11
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	8	0.11
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	8	0.11
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	8	0.11
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	17	0.11
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	17	0.11
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	17	0.11
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	17	0.11
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	17	0.11
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	18	0.11
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	18	0.11
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	18	0.11
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	18	0.11
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	18	0.11
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	18	0.11
(1,3382)	2:208:B:LEU:HB2	2:208:B:LEU:H	3	0.11
(1,3382)	2:208:B:LEU:HB3	2:208:B:LEU:H	3	0.11
(1,3382)	2:208:B:LEU:HB2	2:208:B:LEU:H	12	0.11
(1,3382)	2:208:B:LEU:HB3	2:208:B:LEU:H	12	0.11
(1,3382)	2:208:B:LEU:HB2	2:208:B:LEU:H	16	0.11
(1,3382)	2:208:B:LEU:HB3	2:208:B:LEU:H	16	0.11
(1,3372)	2:208:B:LEU:HD11	2:208:B:LEU:H	14	0.11
(1,3372)	2:208:B:LEU:HD12	2:208:B:LEU:H	14	0.11
(1,3372)	2:208:B:LEU:HD13	2:208:B:LEU:H	14	0.11
(1,3361)	2:205:B:MET:HB3	2:205:B:MET:H	18	0.11
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	1	0.11
(1,3360)	2:205:B:MET:HB3	2:205:B:MET:HG2	14	0.11
(1,3354)	2:205:B:MET:HG3	2:204:B:PHE:HD2	14	0.11
(1,3345)	2:204:B:PHE:HD2	1:19:A:PHE:HE2	7	0.11
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD13	11	0.11
(1,3344)	2:204:B:PHE:HD1	1:39:A:LEU:HD13	18	0.11
(1,3297)	2:207:B:GLY:HA2	2:210:B:LYS:HB2	9	0.11
(1,3297)	2:207:B:GLY:HA2	2:210:B:LYS:HB3	9	0.11
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	14	0.11
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	14	0.11
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	15	0.11
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	15	0.11
(1,3279)	2:203:B:VAL:HA	2:206:B:LYS:H	19	0.11
(1,3260)	2:215:B:VAL:H	1:145:A:MET:HE2	14	0.11
(1,3258)	2:215:B:VAL:H	2:212:B:LYS:HA	2	0.11
(1,3256)	2:215:B:VAL:H	2:216:B:VAL:H	2	0.11
(1,3255)	2:215:B:VAL:H	2:214:B:GLY:H	13	0.11
(1,3254)	2:215:B:VAL:H	2:218:B:ALA:HB3	8	0.11
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	7	0.11
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	11	0.11
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	12	0.11
(1,3223)	2:205:B:MET:H	2:205:B:MET:HG2	6	0.11
(1,3215)	2:204:B:PHE:H	2:201:B:MET:HA	16	0.11
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	1	0.11
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	2	0.11
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	7	0.11
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	8	0.11
(1,3211)	2:204:B:PHE:H	2:203:B:VAL:H	18	0.11
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB2	20	0.11
(1,3210)	2:204:B:PHE:H	2:204:B:PHE:HB3	20	0.11
(1,3209)	2:204:B:PHE:H	2:202:B:ASP:H	15	0.11
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG11	10	0.11
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG12	10	0.11
(1,3203)	2:203:B:VAL:H	2:203:B:VAL:HG13	10	0.11
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	10	0.11
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	10	0.11
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	10	0.11
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	10	0.11
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	17	0.11
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	17	0.11
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	17	0.11
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	17	0.11
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	1	0.11
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	3	0.11
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	10	0.11
(1,3179)	1:138:A:TYR:HE1	1:85:A:ILE:HG21	12	0.11
(1,3179)	1:138:A:TYR:HE1	1:85:A:ILE:HG22	12	0.11
(1,3179)	1:138:A:TYR:HE1	1:85:A:ILE:HG23	12	0.11
(1,3179)	1:138:A:TYR:HE2	1:85:A:ILE:HG21	12	0.11
(1,3179)	1:138:A:TYR:HE2	1:85:A:ILE:HG22	12	0.11
(1,3179)	1:138:A:TYR:HE2	1:85:A:ILE:HG23	12	0.11
(1,3164)	1:99:A:TYR:HD1	1:137:A:ASN:HA	8	0.11
(1,3164)	1:99:A:TYR:HD2	1:137:A:ASN:HA	8	0.11
(1,3161)	1:99:A:TYR:HD1	1:100:A:ILE:H	11	0.11
(1,3161)	1:99:A:TYR:HD2	1:100:A:ILE:H	11	0.11
(1,3155)	1:99:A:TYR:HE1	1:135:A:GLN:HE21	1	0.11
(1,3155)	1:99:A:TYR:HE2	1:135:A:GLN:HE21	1	0.11
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD1	17	0.11
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD2	17	0.11
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	1	0.11
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	8	0.11
(1,3128)	1:65:A:PHE:HD1	1:65:A:PHE:H	8	0.11
(1,3128)	1:65:A:PHE:HD2	1:65:A:PHE:H	17	0.11
(1,3128)	1:65:A:PHE:HD1	1:65:A:PHE:H	20	0.11
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	10	0.11
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	16	0.11
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3105)	1:145:A:MET:HG2	1:85:A:ILE:HG21	10	0.11
(1,3105)	1:145:A:MET:HG2	1:85:A:ILE:HG22	10	0.11
(1,3105)	1:145:A:MET:HG2	1:85:A:ILE:HG23	10	0.11
(1,3105)	1:145:A:MET:HG3	1:85:A:ILE:HG21	10	0.11
(1,3105)	1:145:A:MET:HG3	1:85:A:ILE:HG22	10	0.11
(1,3105)	1:145:A:MET:HG3	1:85:A:ILE:HG23	10	0.11
(1,3097)	1:144:A:MET:HG3	1:144:A:MET:HA	20	0.11
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	1	0.11
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	3	0.11
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	12	0.11
(1,3068)	1:76:A:MET:HG3	1:73:A:ALA:HA	5	0.11
(1,3068)	1:76:A:MET:HG3	1:73:A:ALA:HA	9	0.11
(1,3064)	1:76:A:MET:HG2	1:76:A:MET:H	20	0.11
(1,3056)	1:72:A:MET:HG3	1:72:A:MET:HA	16	0.11
(1,3042)	1:51:A:MET:HG2	1:51:A:MET:H	1	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	2	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	2	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	2	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	2	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	2	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	2	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	13	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	13	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	13	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	13	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	13	0.11
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	13	0.11
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	4	0.11
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	11	0.11
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	14	0.11
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	15	0.11
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	16	0.11
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	1	0.11
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	10	0.11
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	13	0.11
(1,3029)	1:36:A:MET:HG2	1:36:A:MET:H	15	0.11
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG21	12	0.11
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG22	12	0.11
(1,3019)	1:145:A:MET:HE1	1:85:A:ILE:HG23	12	0.11
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG21	12	0.11
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG22	12	0.11
(1,3019)	1:145:A:MET:HE2	1:85:A:ILE:HG23	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG21	12	0.11
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG22	12	0.11
(1,3019)	1:145:A:MET:HE3	1:85:A:ILE:HG23	12	0.11
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	6	0.11
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	6	0.11
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	6	0.11
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	6	0.11
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	6	0.11
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	6	0.11
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG11	11	0.11
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG12	11	0.11
(1,3009)	1:144:A:MET:HE1	1:136:A:VAL:HG13	11	0.11
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG11	11	0.11
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG12	11	0.11
(1,3009)	1:144:A:MET:HE2	1:136:A:VAL:HG13	11	0.11
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG11	11	0.11
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG12	11	0.11
(1,3009)	1:144:A:MET:HE3	1:136:A:VAL:HG13	11	0.11
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	3	0.11
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	3	0.11
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	3	0.11
(1,3005)	1:144:A:MET:HE1	1:145:A:MET:HA	14	0.11
(1,3005)	1:144:A:MET:HE2	1:145:A:MET:HA	14	0.11
(1,3005)	1:144:A:MET:HE3	1:145:A:MET:HA	14	0.11
(1,3001)	1:142:A:VAL:HG11	1:142:A:VAL:HA	19	0.11
(1,3001)	1:142:A:VAL:HG12	1:142:A:VAL:HA	19	0.11
(1,3001)	1:142:A:VAL:HG13	1:142:A:VAL:HA	19	0.11
(1,2990)	1:142:A:VAL:HG21	1:142:A:VAL:H	11	0.11
(1,2990)	1:142:A:VAL:HG22	1:142:A:VAL:H	11	0.11
(1,2990)	1:142:A:VAL:HG23	1:142:A:VAL:H	11	0.11
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	2	0.11
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	2	0.11
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	2	0.11
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	4	0.11
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	4	0.11
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	4	0.11
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	8	0.11
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	8	0.11
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	8	0.11
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	15	0.11
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	15	0.11
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2983)	1:136:A:VAL:HG11	1:141:A:PHE:HB2	18	0.11
(1,2983)	1:136:A:VAL:HG12	1:141:A:PHE:HB2	18	0.11
(1,2983)	1:136:A:VAL:HG13	1:141:A:PHE:HB2	18	0.11
(1,2974)	1:136:A:VAL:HG21	1:100:A:ILE:HB	5	0.11
(1,2974)	1:136:A:VAL:HG22	1:100:A:ILE:HB	5	0.11
(1,2974)	1:136:A:VAL:HG23	1:100:A:ILE:HB	5	0.11
(1,2959)	1:130:A:ILE:HD11	1:130:A:ILE:HA	16	0.11
(1,2959)	1:130:A:ILE:HD12	1:130:A:ILE:HA	16	0.11
(1,2959)	1:130:A:ILE:HD13	1:130:A:ILE:HA	16	0.11
(1,2957)	1:130:A:ILE:HD11	1:143:A:GLN:HE22	18	0.11
(1,2957)	1:130:A:ILE:HD12	1:143:A:GLN:HE22	18	0.11
(1,2957)	1:130:A:ILE:HD13	1:143:A:GLN:HE22	18	0.11
(1,2950)	1:130:A:ILE:HG21	1:131:A:ASP:HA	11	0.11
(1,2950)	1:130:A:ILE:HG22	1:131:A:ASP:HA	11	0.11
(1,2950)	1:130:A:ILE:HG23	1:131:A:ASP:HA	11	0.11
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	6	0.11
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	6	0.11
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	6	0.11
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE1	20	0.11
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE2	20	0.11
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE3	20	0.11
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE1	20	0.11
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE2	20	0.11
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE3	20	0.11
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE1	20	0.11
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE2	20	0.11
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE3	20	0.11
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	7	0.11
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	7	0.11
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	7	0.11
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	20	0.11
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	20	0.11
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	20	0.11
(1,2913)	1:124:A:MET:HE1	1:124:A:MET:HG2	12	0.11
(1,2913)	1:124:A:MET:HE2	1:124:A:MET:HG2	12	0.11
(1,2913)	1:124:A:MET:HE3	1:124:A:MET:HG2	12	0.11
(1,2882)	1:116:A:LEU:HD11	1:109:A:MET:HG2	13	0.11
(1,2882)	1:116:A:LEU:HD12	1:109:A:MET:HG2	13	0.11
(1,2882)	1:116:A:LEU:HD13	1:109:A:MET:HG2	13	0.11
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE1	2	0.11
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE2	2	0.11
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE3	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE1	2	0.11
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE2	2	0.11
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE3	2	0.11
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE1	2	0.11
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE2	2	0.11
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE3	2	0.11
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE1	16	0.11
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE2	16	0.11
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE3	16	0.11
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE1	16	0.11
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE2	16	0.11
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE3	16	0.11
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE1	16	0.11
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE2	16	0.11
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE3	16	0.11
(1,2879)	1:116:A:LEU:HD11	1:109:A:MET:HB3	5	0.11
(1,2879)	1:116:A:LEU:HD12	1:109:A:MET:HB3	5	0.11
(1,2879)	1:116:A:LEU:HD13	1:109:A:MET:HB3	5	0.11
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	6	0.11
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	6	0.11
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	6	0.11
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	7	0.11
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	7	0.11
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	7	0.11
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	9	0.11
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	9	0.11
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	9	0.11
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	12	0.11
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	12	0.11
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	12	0.11
(1,2878)	1:112:A:LEU:HD21	1:112:A:LEU:H	17	0.11
(1,2878)	1:112:A:LEU:HD22	1:112:A:LEU:H	17	0.11
(1,2878)	1:112:A:LEU:HD23	1:112:A:LEU:H	17	0.11
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	1	0.11
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	1	0.11
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	1	0.11
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	3	0.11
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	3	0.11
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	3	0.11
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	5	0.11
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	5	0.11
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	16	0.11
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	16	0.11
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	16	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	10	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	10	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	10	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	10	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	10	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	10	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	10	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	10	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	10	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	11	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	11	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	11	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	11	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	11	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	11	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	11	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	11	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	11	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	12	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	12	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	12	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	12	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	12	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	12	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	12	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	12	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	12	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	13	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	13	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	13	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	13	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	13	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	13	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	13	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	13	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	13	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE1	19	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE2	19	0.11
(1,2848)	1:105:A:LEU:HD21	1:109:A:MET:HE3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE1	19	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE2	19	0.11
(1,2848)	1:105:A:LEU:HD22	1:109:A:MET:HE3	19	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE1	19	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE2	19	0.11
(1,2848)	1:105:A:LEU:HD23	1:109:A:MET:HE3	19	0.11
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	8	0.11
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	8	0.11
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	8	0.11
(1,2847)	1:105:A:LEU:HD21	1:109:A:MET:HG2	14	0.11
(1,2847)	1:105:A:LEU:HD22	1:109:A:MET:HG2	14	0.11
(1,2847)	1:105:A:LEU:HD23	1:109:A:MET:HG2	14	0.11
(1,2828)	1:103:A:ALA:HB1	1:103:A:ALA:H	16	0.11
(1,2828)	1:103:A:ALA:HB2	1:103:A:ALA:H	16	0.11
(1,2828)	1:103:A:ALA:HB3	1:103:A:ALA:H	16	0.11
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG11	13	0.11
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG12	13	0.11
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG13	13	0.11
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG21	13	0.11
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG22	13	0.11
(1,2826)	1:102:A:ALA:HB1	1:121:A:VAL:HG23	13	0.11
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG11	13	0.11
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG12	13	0.11
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG13	13	0.11
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG21	13	0.11
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG22	13	0.11
(1,2826)	1:102:A:ALA:HB2	1:121:A:VAL:HG23	13	0.11
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG11	13	0.11
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG12	13	0.11
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG13	13	0.11
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG21	13	0.11
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG22	13	0.11
(1,2826)	1:102:A:ALA:HB3	1:121:A:VAL:HG23	13	0.11
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD1	17	0.11
(1,2818)	1:100:A:ILE:HD11	1:141:A:PHE:HD2	17	0.11
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD1	17	0.11
(1,2818)	1:100:A:ILE:HD12	1:141:A:PHE:HD2	17	0.11
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD1	17	0.11
(1,2818)	1:100:A:ILE:HD13	1:141:A:PHE:HD2	17	0.11
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	1	0.11
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	1	0.11
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	1	0.11
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	1	0.11
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	1	0.11
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	9	0.11
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	9	0.11
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	9	0.11
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	9	0.11
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	9	0.11
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	9	0.11
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB2	13	0.11
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB3	13	0.11
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB2	13	0.11
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB3	13	0.11
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB2	13	0.11
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB3	13	0.11
(1,2803)	1:100:A:ILE:HG21	1:100:A:ILE:HA	13	0.11
(1,2803)	1:100:A:ILE:HG22	1:100:A:ILE:HA	13	0.11
(1,2803)	1:100:A:ILE:HG23	1:100:A:ILE:HA	13	0.11
(1,2802)	1:100:A:ILE:HG21	1:93:A:ASP:HA	8	0.11
(1,2802)	1:100:A:ILE:HG22	1:93:A:ASP:HA	8	0.11
(1,2802)	1:100:A:ILE:HG23	1:93:A:ASP:HA	8	0.11
(1,2802)	1:100:A:ILE:HG21	1:93:A:ASP:HA	17	0.11
(1,2802)	1:100:A:ILE:HG22	1:93:A:ASP:HA	17	0.11
(1,2802)	1:100:A:ILE:HG23	1:93:A:ASP:HA	17	0.11
(1,2802)	1:100:A:ILE:HG21	1:93:A:ASP:HA	20	0.11
(1,2802)	1:100:A:ILE:HG22	1:93:A:ASP:HA	20	0.11
(1,2802)	1:100:A:ILE:HG23	1:93:A:ASP:HA	20	0.11
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG21	7	0.11
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG22	7	0.11
(1,2799)	1:91:A:VAL:HG21	1:108:A:VAL:HG23	7	0.11
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG21	7	0.11
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG22	7	0.11
(1,2799)	1:91:A:VAL:HG22	1:108:A:VAL:HG23	7	0.11
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG21	7	0.11
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG22	7	0.11
(1,2799)	1:91:A:VAL:HG23	1:108:A:VAL:HG23	7	0.11
(1,2785)	1:85:A:ILE:HD11	1:146:A:THR:HA	11	0.11
(1,2785)	1:85:A:ILE:HD12	1:146:A:THR:HA	11	0.11
(1,2785)	1:85:A:ILE:HD13	1:146:A:THR:HA	11	0.11
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	7	0.11
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	7	0.11
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2771)	1:85:A:ILE:HG21	1:142:A:VAL:HA	15	0.11
(1,2771)	1:85:A:ILE:HG22	1:142:A:VAL:HA	15	0.11
(1,2771)	1:85:A:ILE:HG23	1:142:A:VAL:HA	15	0.11
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	3	0.11
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	3	0.11
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	3	0.11
(1,2764)	1:76:A:MET:HE1	1:76:A:MET:HA	7	0.11
(1,2764)	1:76:A:MET:HE2	1:76:A:MET:HA	7	0.11
(1,2764)	1:76:A:MET:HE3	1:76:A:MET:HA	7	0.11
(1,2761)	1:76:A:MET:HE1	1:8:A:GLN:HE22	8	0.11
(1,2761)	1:76:A:MET:HE2	1:8:A:GLN:HE22	8	0.11
(1,2761)	1:76:A:MET:HE3	1:8:A:GLN:HE22	8	0.11
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD21	8	0.11
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD22	8	0.11
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD23	8	0.11
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD21	8	0.11
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD22	8	0.11
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD23	8	0.11
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD21	8	0.11
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD22	8	0.11
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD23	8	0.11
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	4	0.11
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	4	0.11
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	4	0.11
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	10	0.11
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	10	0.11
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	10	0.11
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	17	0.11
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	17	0.11
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	17	0.11
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD11	20	0.11
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD12	20	0.11
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD13	20	0.11
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD21	20	0.11
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD22	20	0.11
(1,2754)	1:73:A:ALA:HB1	1:4:A:LEU:HD23	20	0.11
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD11	20	0.11
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD12	20	0.11
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD13	20	0.11
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD21	20	0.11
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD22	20	0.11
(1,2754)	1:73:A:ALA:HB2	1:4:A:LEU:HD23	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD11	20	0.11
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD12	20	0.11
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD13	20	0.11
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD21	20	0.11
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD22	20	0.11
(1,2754)	1:73:A:ALA:HB3	1:4:A:LEU:HD23	20	0.11
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	6	0.11
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	6	0.11
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	6	0.11
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	6	0.11
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	6	0.11
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	6	0.11
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD1	11	0.11
(1,2742)	1:71:A:MET:HE1	1:68:A:PHE:HD2	11	0.11
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD1	11	0.11
(1,2742)	1:71:A:MET:HE2	1:68:A:PHE:HD2	11	0.11
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD1	11	0.11
(1,2742)	1:71:A:MET:HE3	1:68:A:PHE:HD2	11	0.11
(1,2721)	1:69:A:LEU:HD21	1:69:A:LEU:H	5	0.11
(1,2721)	1:69:A:LEU:HD22	1:69:A:LEU:H	5	0.11
(1,2721)	1:69:A:LEU:HD23	1:69:A:LEU:H	5	0.11
(1,2721)	1:69:A:LEU:HD21	1:69:A:LEU:H	7	0.11
(1,2721)	1:69:A:LEU:HD22	1:69:A:LEU:H	7	0.11
(1,2721)	1:69:A:LEU:HD23	1:69:A:LEU:H	7	0.11
(1,2721)	1:69:A:LEU:HD21	1:69:A:LEU:H	14	0.11
(1,2721)	1:69:A:LEU:HD22	1:69:A:LEU:H	14	0.11
(1,2721)	1:69:A:LEU:HD23	1:69:A:LEU:H	14	0.11
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE1	14	0.11
(1,2698)	1:63:A:ILE:HG21	1:16:A:PHE:HE2	14	0.11
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE1	14	0.11
(1,2698)	1:63:A:ILE:HG22	1:16:A:PHE:HE2	14	0.11
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE1	14	0.11
(1,2698)	1:63:A:ILE:HG23	1:16:A:PHE:HE2	14	0.11
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	3	0.11
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	3	0.11
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	3	0.11
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	4	0.11
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	4	0.11
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	4	0.11
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	5	0.11
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	5	0.11
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	9	0.11
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	9	0.11
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	9	0.11
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	14	0.11
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	14	0.11
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	14	0.11
(1,2692)	1:63:A:ILE:HG21	1:68:A:PHE:HD1	10	0.11
(1,2692)	1:63:A:ILE:HG21	1:68:A:PHE:HD2	10	0.11
(1,2692)	1:63:A:ILE:HG22	1:68:A:PHE:HD1	10	0.11
(1,2692)	1:63:A:ILE:HG22	1:68:A:PHE:HD2	10	0.11
(1,2692)	1:63:A:ILE:HG23	1:68:A:PHE:HD1	10	0.11
(1,2692)	1:63:A:ILE:HG23	1:68:A:PHE:HD2	10	0.11
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	13	0.11
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	13	0.11
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	13	0.11
(1,2671)	1:55:A:VAL:HG11	1:55:A:VAL:H	17	0.11
(1,2671)	1:55:A:VAL:HG12	1:55:A:VAL:H	17	0.11
(1,2671)	1:55:A:VAL:HG13	1:55:A:VAL:H	17	0.11
(1,2666)	1:55:A:VAL:HG21	1:52:A:ILE:HA	4	0.11
(1,2666)	1:55:A:VAL:HG22	1:52:A:ILE:HA	4	0.11
(1,2666)	1:55:A:VAL:HG23	1:52:A:ILE:HA	4	0.11
(1,2666)	1:55:A:VAL:HG21	1:52:A:ILE:HA	7	0.11
(1,2666)	1:55:A:VAL:HG22	1:52:A:ILE:HA	7	0.11
(1,2666)	1:55:A:VAL:HG23	1:52:A:ILE:HA	7	0.11
(1,2666)	1:55:A:VAL:HG21	1:52:A:ILE:HA	19	0.11
(1,2666)	1:55:A:VAL:HG22	1:52:A:ILE:HA	19	0.11
(1,2666)	1:55:A:VAL:HG23	1:52:A:ILE:HA	19	0.11
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	5	0.11
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	5	0.11
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	5	0.11
(1,2657)	1:55:A:VAL:HG21	1:63:A:ILE:HG23	19	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	2	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	2	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	2	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	2	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	2	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	2	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	2	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	2	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	2	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	4	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	4	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	4	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	4	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	4	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	4	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	4	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	4	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	5	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	5	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	5	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	5	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	5	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	5	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	5	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	5	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	5	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	10	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	10	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	10	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	10	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	10	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	10	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	10	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	10	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	10	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	11	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	11	0.11
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	11	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	11	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	11	0.11
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	11	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	11	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	11	0.11
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	11	0.11
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	2	0.11
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	2	0.11
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	2	0.11
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	4	0.11
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	4	0.11
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	4	0.11
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	5	0.11
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	5	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	5	0.11
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	7	0.11
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	7	0.11
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	7	0.11
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	15	0.11
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	15	0.11
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	15	0.11
(1,2646)	1:52:A:ILE:HG21	1:52:A:ILE:HG13	10	0.11
(1,2646)	1:52:A:ILE:HG22	1:52:A:ILE:HG13	10	0.11
(1,2646)	1:52:A:ILE:HG23	1:52:A:ILE:HG13	10	0.11
(1,2646)	1:52:A:ILE:HG21	1:52:A:ILE:HG13	13	0.11
(1,2646)	1:52:A:ILE:HG22	1:52:A:ILE:HG13	13	0.11
(1,2646)	1:52:A:ILE:HG23	1:52:A:ILE:HG13	13	0.11
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	11	0.11
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	11	0.11
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	11	0.11
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	17	0.11
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	17	0.11
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	17	0.11
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	1	0.11
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	1	0.11
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	1	0.11
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	13	0.11
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	13	0.11
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	13	0.11
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	11	0.11
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	11	0.11
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	11	0.11
(1,2639)	1:52:A:ILE:HG21	1:53:A:ASN:H	16	0.11
(1,2639)	1:52:A:ILE:HG22	1:53:A:ASN:H	16	0.11
(1,2639)	1:52:A:ILE:HG23	1:53:A:ASN:H	16	0.11
(1,2631)	1:51:A:MET:HE1	1:51:A:MET:HG3	6	0.11
(1,2631)	1:51:A:MET:HE2	1:51:A:MET:HG3	6	0.11
(1,2631)	1:51:A:MET:HE3	1:51:A:MET:HG3	6	0.11
(1,2630)	1:51:A:MET:HE3	1:32:A:LEU:HD23	5	0.11
(1,2612)	1:48:A:LEU:HD11	1:29:A:THR:HB	20	0.11
(1,2612)	1:48:A:LEU:HD12	1:29:A:THR:HB	20	0.11
(1,2612)	1:48:A:LEU:HD13	1:29:A:THR:HB	20	0.11
(1,2611)	1:48:A:LEU:HD11	1:33:A:GLY:HA2	2	0.11
(1,2611)	1:48:A:LEU:HD12	1:33:A:GLY:HA2	2	0.11
(1,2611)	1:48:A:LEU:HD13	1:33:A:GLY:HA2	2	0.11
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	1	0.11
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	1	0.11
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	2	0.11
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	2	0.11
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	2	0.11
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	3	0.11
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	3	0.11
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	3	0.11
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	9	0.11
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	9	0.11
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	9	0.11
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	12	0.11
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	12	0.11
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	12	0.11
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	13	0.11
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	13	0.11
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	13	0.11
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	17	0.11
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	17	0.11
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	17	0.11
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	18	0.11
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	18	0.11
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	18	0.11
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	3	0.11
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	3	0.11
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	3	0.11
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	9	0.11
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	9	0.11
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	9	0.11
(1,2589)	1:35:A:VAL:HG21	1:19:A:PHE:HA	19	0.11
(1,2589)	1:35:A:VAL:HG22	1:19:A:PHE:HA	19	0.11
(1,2589)	1:35:A:VAL:HG23	1:19:A:PHE:HA	19	0.11
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	7	0.11
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	7	0.11
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	7	0.11
(1,2583)	1:35:A:VAL:HG11	1:35:A:VAL:H	14	0.11
(1,2583)	1:35:A:VAL:HG12	1:35:A:VAL:H	14	0.11
(1,2583)	1:35:A:VAL:HG13	1:35:A:VAL:H	14	0.11
(1,2567)	1:32:A:LEU:HD21	1:32:A:LEU:HA	14	0.11
(1,2567)	1:32:A:LEU:HD22	1:32:A:LEU:HA	14	0.11
(1,2567)	1:32:A:LEU:HD23	1:32:A:LEU:HA	14	0.11
(1,2557)	1:29:A:THR:HG21	1:52:A:ILE:HB	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2557)	1:29:A:THR:HG22	1:52:A:ILE:HB	4	0.11
(1,2557)	1:29:A:THR:HG23	1:52:A:ILE:HB	4	0.11
(1,2557)	1:29:A:THR:HG21	1:52:A:ILE:HB	12	0.11
(1,2557)	1:29:A:THR:HG22	1:52:A:ILE:HB	12	0.11
(1,2557)	1:29:A:THR:HG23	1:52:A:ILE:HB	12	0.11
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	4	0.11
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	4	0.11
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	4	0.11
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	12	0.11
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	12	0.11
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	12	0.11
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	18	0.11
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	18	0.11
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	18	0.11
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	6	0.11
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	6	0.11
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	6	0.11
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	7	0.11
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	7	0.11
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	7	0.11
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	10	0.11
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	10	0.11
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	10	0.11
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	12	0.11
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	12	0.11
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	12	0.11
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	14	0.11
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	14	0.11
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	14	0.11
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	10	0.11
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	10	0.11
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	10	0.11
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	17	0.11
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	17	0.11
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	17	0.11
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	9	0.11
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	9	0.11
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	9	0.11
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	9	0.11
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	9	0.11
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	9	0.11
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	9	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	9	0.11
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	9	0.11
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG21	16	0.11
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG22	16	0.11
(1,2536)	1:27:A:ILE:HD11	1:27:A:ILE:HG23	16	0.11
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG21	16	0.11
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG22	16	0.11
(1,2536)	1:27:A:ILE:HD12	1:27:A:ILE:HG23	16	0.11
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG21	16	0.11
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG22	16	0.11
(1,2536)	1:27:A:ILE:HD13	1:27:A:ILE:HG23	16	0.11
(1,2502)	1:15:A:ALA:HB1	1:16:A:PHE:HA	7	0.11
(1,2502)	1:15:A:ALA:HB2	1:16:A:PHE:HA	7	0.11
(1,2502)	1:15:A:ALA:HB3	1:16:A:PHE:HA	7	0.11
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	4	0.11
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	4	0.11
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	4	0.11
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	8	0.11
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	8	0.11
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	8	0.11
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	17	0.11
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	17	0.11
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	17	0.11
(1,2490)	1:10:A:ALA:HB1	1:11:A:GLU:H	3	0.11
(1,2490)	1:10:A:ALA:HB2	1:11:A:GLU:H	3	0.11
(1,2490)	1:10:A:ALA:HB3	1:11:A:GLU:H	3	0.11
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	12	0.11
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	12	0.11
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	12	0.11
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	11	0.11
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	11	0.11
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	11	0.11
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	1	0.11
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	1	0.11
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	1	0.11
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	1	0.11
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	1	0.11
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	1	0.11
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	8	0.11
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	8	0.11
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	8	0.11
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	8	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	8	0.11
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	8	0.11
(1,2469)	1:9:A:ILE:HG21	1:10:A:ALA:H	7	0.11
(1,2469)	1:9:A:ILE:HG22	1:10:A:ALA:H	7	0.11
(1,2469)	1:9:A:ILE:HG23	1:10:A:ALA:H	7	0.11
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	18	0.11
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE1	6	0.11
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE2	6	0.11
(1,2312)	1:141:A:PHE:HA	1:144:A:MET:HE3	6	0.11
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	5	0.11
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	5	0.11
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	12	0.11
(1,2308)	1:140:A:GLU:HA	1:140:A:GLU:HG2	13	0.11
(1,2285)	1:138:A:TYR:HA	1:141:A:PHE:HB2	18	0.11
(1,2285)	1:138:A:TYR:HA	1:141:A:PHE:HB2	19	0.11
(1,2260)	1:125:A:ILE:HA	1:125:A:ILE:HG12	19	0.11
(1,2246)	1:121:A:VAL:HA	1:124:A:MET:HB2	2	0.11
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB2	2	0.11
(1,2182)	1:104:A:GLU:HA	1:107:A:HIS:HB3	2	0.11
(1,2160)	1:92:A:PHE:HA	1:108:A:VAL:HG12	6	0.11
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	13	0.11
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	13	0.11
(1,2128)	1:86:A:ARG:HA	1:89:A:PHE:HB2	11	0.11
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	3	0.11
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	5	0.11
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	7	0.11
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	8	0.11
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	10	0.11
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	15	0.11
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	17	0.11
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	19	0.11
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	20	0.11
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	2	0.11
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	2	0.11
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	9	0.11
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	9	0.11
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	18	0.11
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	18	0.11
(1,2101)	1:76:A:MET:HA	1:76:A:MET:HB2	16	0.11
(1,2101)	1:76:A:MET:HA	1:76:A:MET:HB3	16	0.11
(1,2101)	1:76:A:MET:HA	1:76:A:MET:HB2	19	0.11
(1,2101)	1:76:A:MET:HA	1:76:A:MET:HB3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	4	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	4	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	4	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	4	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	4	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	4	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	5	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	5	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	5	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	5	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	5	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	5	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	13	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	13	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	13	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	13	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	13	0.11
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	13	0.11
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	13	0.11
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	19	0.11
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	20	0.11
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	4	0.11
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	4	0.11
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	4	0.11
(1,2032)	1:66:A:PRO:HA	1:69:A:LEU:HB3	14	0.11
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	8	0.11
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	17	0.11
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	18	0.11
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	8	0.11
(1,2002)	1:52:A:ILE:HA	1:52:A:ILE:HG12	14	0.11
(1,1997)	1:49:A:GLN:HA	1:29:A:THR:HG21	17	0.11
(1,1997)	1:49:A:GLN:HA	1:29:A:THR:HG22	17	0.11
(1,1997)	1:49:A:GLN:HA	1:29:A:THR:HG23	17	0.11
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	7	0.11
(1,1973)	1:45:A:GLU:HA	1:48:A:LEU:HB2	15	0.11
(1,1966)	1:36:A:MET:HA	1:39:A:LEU:H	17	0.11
(1,1962)	1:35:A:VAL:HA	1:39:A:LEU:H	18	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	1	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	1	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	2	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	2	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	4	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	4	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	6	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	6	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	8	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	8	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	9	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	9	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	11	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	11	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	15	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	15	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	16	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	16	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	19	0.11
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	19	0.11
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD1	1	0.11
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD2	1	0.11
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD1	18	0.11
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD2	18	0.11
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	5	0.11
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	15	0.11
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	18	0.11
(1,1856)	1:9:A:ILE:HA	1:12:A:PHE:HB2	13	0.11
(1,1856)	1:9:A:ILE:HA	1:12:A:PHE:HB3	13	0.11
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB2	15	0.11
(1,1780)	1:126:A:ARG:HE	1:126:A:ARG:HB3	15	0.11
(1,1778)	1:126:A:ARG:HE	1:126:A:ARG:HG2	1	0.11
(1,1778)	1:126:A:ARG:HE	1:126:A:ARG:HG2	16	0.11
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	8	0.11
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	8	0.11
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG2	16	0.11
(1,1727)	1:53:A:ASN:HD22	1:49:A:GLN:HG3	16	0.11
(1,1722)	1:53:A:ASN:HD22	1:50:A:ASP:H	11	0.11
(1,1717)	1:49:A:GLN:HE21	1:49:A:GLN:HG2	14	0.11
(1,1717)	1:49:A:GLN:HE21	1:49:A:GLN:HG3	14	0.11
(1,1702)	1:49:A:GLN:HE22	1:61:A:GLY:HA3	2	0.11
(1,1694)	1:41:A:GLN:HE21	1:41:A:GLN:HA	10	0.11
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE1	15	0.11
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE2	15	0.11
(1,1689)	1:8:A:GLN:HE21	1:76:A:MET:HE3	15	0.11
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG21	20	0.11
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG22	20	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1678)	1:8:A:GLN:HE22	1:5:A:THR:HG23	20	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	2	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	3	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	4	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	5	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	8	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	10	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	12	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	14	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	16	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	17	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	18	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	19	0.11
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	20	0.11
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	1	0.11
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	15	0.11
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	17	0.11
(1,1665)	1:147:A:ALA:H	1:143:A:GLN:HA	19	0.11
(1,1664)	1:146:A:THR:H	1:146:A:THR:HB	16	0.11
(1,1599)	1:141:A:PHE:H	1:140:A:GLU:HG2	16	0.11
(1,1588)	1:140:A:GLU:H	1:137:A:ASN:HD21	12	0.11
(1,1586)	1:140:A:GLU:H	1:136:A:VAL:HG11	1	0.11
(1,1586)	1:140:A:GLU:H	1:136:A:VAL:HG12	1	0.11
(1,1586)	1:140:A:GLU:H	1:136:A:VAL:HG13	1	0.11
(1,1586)	1:140:A:GLU:H	1:136:A:VAL:HG11	9	0.11
(1,1586)	1:140:A:GLU:H	1:136:A:VAL:HG12	9	0.11
(1,1586)	1:140:A:GLU:H	1:136:A:VAL:HG13	9	0.11
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	14	0.11
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	14	0.11
(1,1528)	1:137:A:ASN:H	1:140:A:GLU:HG2	3	0.11
(1,1501)	1:135:A:GLN:H	1:136:A:VAL:HA	3	0.11
(1,1501)	1:135:A:GLN:H	1:136:A:VAL:HA	6	0.11
(1,1501)	1:135:A:GLN:H	1:136:A:VAL:HA	15	0.11
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	1	0.11
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	2	0.11
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	4	0.11
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	5	0.11
(1,1499)	1:135:A:GLN:H	1:134:A:GLY:H	16	0.11
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	10	0.11
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	17	0.11
(1,1361)	1:124:A:MET:H	1:124:A:MET:HG2	13	0.11
(1,1359)	1:124:A:MET:H	1:124:A:MET:HG3	19	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	12	0.11
(1,1279)	1:117:A:THR:H	1:120:A:GLU:HB3	17	0.11
(1,1272)	1:116:A:LEU:H	1:120:A:GLU:HB2	6	0.11
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	5	0.11
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	7	0.11
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	8	0.11
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	10	0.11
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	11	0.11
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	12	0.11
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	13	0.11
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	17	0.11
(1,1181)	1:108:A:VAL:H	1:105:A:LEU:HA	15	0.11
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	6	0.11
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	8	0.11
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	13	0.11
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	17	0.11
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	18	0.11
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	14	0.11
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	19	0.11
(1,1070)	1:99:A:TYR:H	1:135:A:GLN:HB2	20	0.11
(1,1069)	1:99:A:TYR:H	1:97:A:ASN:HD21	1	0.11
(1,1069)	1:99:A:TYR:H	1:97:A:ASN:HD21	3	0.11
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	4	0.11
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	4	0.11
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	7	0.11
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	7	0.11
(1,1021)	1:94:A:LYS:H	1:104:A:GLU:HB3	4	0.11
(1,1012)	1:94:A:LYS:H	1:104:A:GLU:HB2	13	0.11
(1,1011)	1:94:A:LYS:H	1:94:A:LYS:HG2	6	0.11
(1,1011)	1:94:A:LYS:H	1:94:A:LYS:HG3	6	0.11
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	13	0.11
(1,989)	1:92:A:PHE:H	1:100:A:ILE:HD12	3	0.11
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	13	0.11
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	13	0.11
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	13	0.11
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG11	14	0.11
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG12	14	0.11
(1,987)	1:92:A:PHE:H	1:108:A:VAL:HG13	14	0.11
(1,956)	1:90:A:ARG:H	1:89:A:PHE:HD1	5	0.11
(1,956)	1:90:A:ARG:H	1:89:A:PHE:HD2	5	0.11
(1,915)	1:86:A:ARG:H	1:84:A:GLU:HG2	4	0.11
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	1	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	4	0.11
(1,913)	1:85:A:ILE:H	1:81:A:SER:HA	16	0.11
(1,864)	1:78:A:ASP:H	1:79:A:THR:H	20	0.11
(1,863)	1:78:A:ASP:H	1:77:A:LYS:HA	11	0.11
(1,860)	1:78:A:ASP:H	1:75:A:LYS:HA	16	0.11
(1,858)	1:77:A:LYS:H	1:78:A:ASP:H	9	0.11
(1,848)	1:76:A:MET:H	1:76:A:MET:HG2	20	0.11
(1,848)	1:76:A:MET:H	1:76:A:MET:HG3	20	0.11
(1,774)	1:69:A:LEU:H	1:68:A:PHE:HB3	17	0.11
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD1	3	0.11
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD2	3	0.11
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	5	0.11
(1,707)	1:64:A:ASP:H	1:67:A:GLU:HA	16	0.11
(1,679)	1:62:A:THR:H	1:28:A:THR:HG23	10	0.11
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	5	0.11
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	8	0.11
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	17	0.11
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	4	0.11
(1,629)	1:58:A:ASP:H	1:57:A:ALA:H	13	0.11
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	1	0.11
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	4	0.11
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	11	0.11
(1,627)	1:57:A:ALA:H	1:67:A:GLU:HB2	18	0.11
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	9	0.11
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	10	0.11
(1,626)	1:57:A:ALA:H	1:67:A:GLU:HG3	16	0.11
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	3	0.11
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	9	0.11
(1,589)	1:54:A:GLU:H	1:54:A:GLU:HG2	14	0.11
(1,555)	1:52:A:ILE:H	1:51:A:MET:HG3	5	0.11
(1,555)	1:52:A:ILE:H	1:51:A:MET:HG3	10	0.11
(1,474)	1:42:A:ASN:H	1:41:A:GLN:HE21	6	0.11
(1,472)	1:42:A:ASN:H	1:41:A:GLN:HB2	10	0.11
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	9	0.11
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD11	16	0.11
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD12	16	0.11
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD13	16	0.11
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD21	16	0.11
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD22	16	0.11
(1,340)	1:30:A:LYS:H	1:48:A:LEU:HD23	16	0.11
(1,313)	1:28:A:THR:H	1:31:A:GLU:HB3	17	0.11
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,281)	1:26:A:THR:H	1:62:A:THR:HB	18	0.11
(1,225)	1:21:A:LYS:H	1:35:A:VAL:HG13	3	0.11
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD11	13	0.11
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD12	13	0.11
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD13	13	0.11
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	4	0.11
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	14	0.11
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	15	0.11
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	16	0.11
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	17	0.11
(1,203)	1:19:A:PHE:H	1:18:A:LEU:HB2	20	0.11
(1,93)	1:11:A:GLU:H	1:11:A:GLU:HG2	16	0.11
(1,73)	1:9:A:ILE:H	1:9:A:ILE:HG12	1	0.11
(1,38)	1:7:A:GLU:H	1:7:A:GLU:HG2	20	0.11
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	6	0.11
(1,37)	1:7:A:GLU:H	1:7:A:GLU:HG3	7	0.11
(1,6)	1:3:A:GLN:H	1:3:A:GLN:HB2	17	0.11
(1,4)	1:3:A:GLN:H	1:4:A:LEU:HD11	4	0.11
(1,4)	1:3:A:GLN:H	1:4:A:LEU:HD12	4	0.11
(1,4)	1:3:A:GLN:H	1:4:A:LEU:HD13	4	0.11
(1,4)	1:3:A:GLN:H	1:4:A:LEU:HD21	4	0.11
(1,4)	1:3:A:GLN:H	1:4:A:LEU:HD22	4	0.11
(1,4)	1:3:A:GLN:H	1:4:A:LEU:HD23	4	0.11
(1,1)	1:3:A:GLN:H	1:2:A:ASP:HB3	3	0.11
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	5	0.1
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	5	0.1
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	5	0.1
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	5	0.1
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	5	0.1
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	5	0.1
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	5	0.1
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	5	0.1
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	5	0.1
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB1	13	0.1
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB2	13	0.1
(1,3417)	2:203:B:VAL:HG21	1:88:A:ALA:HB3	13	0.1
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB1	13	0.1
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB2	13	0.1
(1,3417)	2:203:B:VAL:HG22	1:88:A:ALA:HB3	13	0.1
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB1	13	0.1
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB2	13	0.1
(1,3417)	2:203:B:VAL:HG23	1:88:A:ALA:HB3	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3399)	2:216:B:VAL:HG11	2:216:B:VAL:HA	11	0.1
(1,3399)	2:216:B:VAL:HG12	2:216:B:VAL:HA	11	0.1
(1,3399)	2:216:B:VAL:HG13	2:216:B:VAL:HA	11	0.1
(1,3399)	2:216:B:VAL:HG21	2:216:B:VAL:HA	11	0.1
(1,3399)	2:216:B:VAL:HG22	2:216:B:VAL:HA	11	0.1
(1,3399)	2:216:B:VAL:HG23	2:216:B:VAL:HA	11	0.1
(1,3384)	2:208:B:LEU:HB2	2:205:B:MET:HA	17	0.1
(1,3384)	2:208:B:LEU:HB3	2:205:B:MET:HA	17	0.1
(1,3354)	2:205:B:MET:HG3	2:204:B:PHE:HD2	8	0.1
(1,3329)	2:203:B:VAL:HG21	2:206:B:LYS:HA	2	0.1
(1,3329)	2:203:B:VAL:HG22	2:206:B:LYS:HA	2	0.1
(1,3329)	2:203:B:VAL:HG23	2:206:B:LYS:HA	2	0.1
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	2	0.1
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	2	0.1
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB2	7	0.1
(1,3292)	2:205:B:MET:HA	2:205:B:MET:HB3	7	0.1
(1,3253)	2:215:B:VAL:H	2:215:B:VAL:HB	9	0.1
(1,3218)	2:204:B:PHE:H	1:36:A:MET:HE1	13	0.1
(1,3218)	2:204:B:PHE:H	1:36:A:MET:HE2	13	0.1
(1,3218)	2:204:B:PHE:H	1:36:A:MET:HE3	13	0.1
(1,3215)	2:204:B:PHE:H	2:201:B:MET:HA	14	0.1
(1,3212)	2:204:B:PHE:H	2:204:B:PHE:HA	9	0.1
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD1	13	0.1
(1,3188)	1:141:A:PHE:HE1	1:138:A:TYR:HD2	13	0.1
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD1	13	0.1
(1,3188)	1:141:A:PHE:HE2	1:138:A:TYR:HD2	13	0.1
(1,3186)	1:141:A:PHE:HZ	1:89:A:PHE:H	16	0.1
(1,3155)	1:99:A:TYR:HE1	1:135:A:GLN:HE21	9	0.1
(1,3155)	1:99:A:TYR:HE2	1:135:A:GLN:HE21	9	0.1
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD1	1	0.1
(1,3137)	1:89:A:PHE:HZ	1:138:A:TYR:HD2	1	0.1
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	3	0.1
(1,3134)	1:89:A:PHE:HZ	1:100:A:ILE:H	11	0.1
(1,3128)	1:65:A:PHE:HD2	1:65:A:PHE:H	4	0.1
(1,3128)	1:65:A:PHE:HD2	1:65:A:PHE:H	10	0.1
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	1	0.1
(1,3113)	1:12:A:PHE:HD1	1:15:A:ALA:H	13	0.1
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD11	9	0.1
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD12	9	0.1
(1,3110)	1:145:A:MET:HG2	1:85:A:ILE:HD13	9	0.1
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD11	9	0.1
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD12	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3110)	1:145:A:MET:HG3	1:85:A:ILE:HD13	9	0.1
(1,3109)	1:145:A:MET:HG2	1:146:A:THR:H	11	0.1
(1,3109)	1:145:A:MET:HG3	1:146:A:THR:H	11	0.1
(1,3107)	1:145:A:MET:HG2	1:145:A:MET:H	20	0.1
(1,3107)	1:145:A:MET:HG3	1:145:A:MET:H	20	0.1
(1,3089)	1:124:A:MET:HG3	1:124:A:MET:HB3	15	0.1
(1,3084)	1:124:A:MET:HG2	1:105:A:LEU:HD22	10	0.1
(1,3068)	1:76:A:MET:HG3	1:73:A:ALA:HA	4	0.1
(1,3064)	1:76:A:MET:HG2	1:76:A:MET:H	15	0.1
(1,3052)	1:72:A:MET:HG3	1:12:A:PHE:HB2	16	0.1
(1,3052)	1:72:A:MET:HG3	1:12:A:PHE:HB3	16	0.1
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD11	7	0.1
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD12	7	0.1
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD13	7	0.1
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD21	7	0.1
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD22	7	0.1
(1,3036)	1:36:A:MET:HG3	1:39:A:LEU:HD23	7	0.1
(1,3032)	1:36:A:MET:HG3	1:36:A:MET:HA	5	0.1
(1,3015)	1:145:A:MET:HE1	1:145:A:MET:HA	2	0.1
(1,3015)	1:145:A:MET:HE2	1:145:A:MET:HA	2	0.1
(1,3015)	1:145:A:MET:HE3	1:145:A:MET:HA	2	0.1
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE1	8	0.1
(1,3014)	1:145:A:MET:HE1	1:141:A:PHE:HE2	8	0.1
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE1	8	0.1
(1,3014)	1:145:A:MET:HE2	1:141:A:PHE:HE2	8	0.1
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE1	8	0.1
(1,3014)	1:145:A:MET:HE3	1:141:A:PHE:HE2	8	0.1
(1,2990)	1:142:A:VAL:HG21	1:142:A:VAL:H	10	0.1
(1,2990)	1:142:A:VAL:HG22	1:142:A:VAL:H	10	0.1
(1,2990)	1:142:A:VAL:HG23	1:142:A:VAL:H	10	0.1
(1,2950)	1:130:A:ILE:HG21	1:131:A:ASP:HA	10	0.1
(1,2950)	1:130:A:ILE:HG22	1:131:A:ASP:HA	10	0.1
(1,2950)	1:130:A:ILE:HG23	1:131:A:ASP:HA	10	0.1
(1,2949)	1:130:A:ILE:HG21	1:140:A:GLU:HG2	17	0.1
(1,2949)	1:130:A:ILE:HG22	1:140:A:GLU:HG2	17	0.1
(1,2949)	1:130:A:ILE:HG23	1:140:A:GLU:HG2	17	0.1
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE1	8	0.1
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE2	8	0.1
(1,2947)	1:128:A:ALA:HB1	1:144:A:MET:HE3	8	0.1
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE1	8	0.1
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE2	8	0.1
(1,2947)	1:128:A:ALA:HB2	1:144:A:MET:HE3	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE1	8	0.1
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE2	8	0.1
(1,2947)	1:128:A:ALA:HB3	1:144:A:MET:HE3	8	0.1
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	8	0.1
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	8	0.1
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	8	0.1
(1,2944)	1:128:A:ALA:HB1	1:125:A:ILE:HA	17	0.1
(1,2944)	1:128:A:ALA:HB2	1:125:A:ILE:HA	17	0.1
(1,2944)	1:128:A:ALA:HB3	1:125:A:ILE:HA	17	0.1
(1,2927)	1:125:A:ILE:HD11	1:105:A:LEU:HB3	11	0.1
(1,2927)	1:125:A:ILE:HD12	1:105:A:LEU:HB3	11	0.1
(1,2927)	1:125:A:ILE:HD13	1:105:A:LEU:HB3	11	0.1
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE1	4	0.1
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE2	4	0.1
(1,2881)	1:116:A:LEU:HD11	1:109:A:MET:HE3	4	0.1
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE1	4	0.1
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE2	4	0.1
(1,2881)	1:116:A:LEU:HD12	1:109:A:MET:HE3	4	0.1
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE1	4	0.1
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE2	4	0.1
(1,2881)	1:116:A:LEU:HD13	1:109:A:MET:HE3	4	0.1
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	2	0.1
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	2	0.1
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	2	0.1
(1,2874)	1:110:A:THR:HG21	1:111:A:ASN:HA	9	0.1
(1,2874)	1:110:A:THR:HG22	1:111:A:ASN:HA	9	0.1
(1,2874)	1:110:A:THR:HG23	1:111:A:ASN:HA	9	0.1
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD1	5	0.1
(1,2817)	1:100:A:ILE:HD11	1:89:A:PHE:HD2	5	0.1
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD1	5	0.1
(1,2817)	1:100:A:ILE:HD12	1:89:A:PHE:HD2	5	0.1
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD1	5	0.1
(1,2817)	1:100:A:ILE:HD13	1:89:A:PHE:HD2	5	0.1
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB2	14	0.1
(1,2812)	1:100:A:ILE:HD11	1:92:A:PHE:HB3	14	0.1
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB2	14	0.1
(1,2812)	1:100:A:ILE:HD12	1:92:A:PHE:HB3	14	0.1
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB2	14	0.1
(1,2812)	1:100:A:ILE:HD13	1:92:A:PHE:HB3	14	0.1
(1,2808)	1:100:A:ILE:HG21	1:104:A:GLU:HB2	2	0.1
(1,2802)	1:100:A:ILE:HG21	1:93:A:ASP:HA	18	0.1
(1,2802)	1:100:A:ILE:HG22	1:93:A:ASP:HA	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2802)	1:100:A:ILE:HG23	1:93:A:ASP:HA	18	0.1
(1,2789)	1:88:A:ALA:HB1	1:89:A:PHE:H	20	0.1
(1,2789)	1:88:A:ALA:HB2	1:89:A:PHE:H	20	0.1
(1,2789)	1:88:A:ALA:HB3	1:89:A:PHE:H	20	0.1
(1,2783)	1:85:A:ILE:HD11	1:82:A:GLU:HA	7	0.1
(1,2783)	1:85:A:ILE:HD12	1:82:A:GLU:HA	7	0.1
(1,2783)	1:85:A:ILE:HD13	1:82:A:GLU:HA	7	0.1
(1,2781)	1:85:A:ILE:HD11	1:85:A:ILE:HA	3	0.1
(1,2781)	1:85:A:ILE:HD12	1:85:A:ILE:HA	3	0.1
(1,2781)	1:85:A:ILE:HD13	1:85:A:ILE:HA	3	0.1
(1,2773)	1:85:A:ILE:HG21	1:85:A:ILE:HA	17	0.1
(1,2773)	1:85:A:ILE:HG22	1:85:A:ILE:HA	17	0.1
(1,2773)	1:85:A:ILE:HG23	1:85:A:ILE:HA	17	0.1
(1,2767)	1:79:A:THR:HG21	1:79:A:THR:H	12	0.1
(1,2767)	1:79:A:THR:HG22	1:79:A:THR:H	12	0.1
(1,2767)	1:79:A:THR:HG23	1:79:A:THR:H	12	0.1
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD21	2	0.1
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD22	2	0.1
(1,2758)	1:73:A:ALA:HB1	1:69:A:LEU:HD23	2	0.1
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD21	2	0.1
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD22	2	0.1
(1,2758)	1:73:A:ALA:HB2	1:69:A:LEU:HD23	2	0.1
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD21	2	0.1
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD22	2	0.1
(1,2758)	1:73:A:ALA:HB3	1:69:A:LEU:HD23	2	0.1
(1,2757)	1:73:A:ALA:HB1	1:73:A:ALA:H	14	0.1
(1,2757)	1:73:A:ALA:HB2	1:73:A:ALA:H	14	0.1
(1,2757)	1:73:A:ALA:HB3	1:73:A:ALA:H	14	0.1
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	1	0.1
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	1	0.1
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	1	0.1
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	2	0.1
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	2	0.1
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	2	0.1
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	8	0.1
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	8	0.1
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	8	0.1
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	12	0.1
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	12	0.1
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	12	0.1
(1,2756)	1:73:A:ALA:HB1	1:74:A:ARG:H	13	0.1
(1,2756)	1:73:A:ALA:HB2	1:74:A:ARG:H	13	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2756)	1:73:A:ALA:HB3	1:74:A:ARG:H	13	0.1
(1,2721)	1:69:A:LEU:HD21	1:69:A:LEU:H	19	0.1
(1,2721)	1:69:A:LEU:HD22	1:69:A:LEU:H	19	0.1
(1,2721)	1:69:A:LEU:HD23	1:69:A:LEU:H	19	0.1
(1,2699)	1:63:A:ILE:HG21	1:68:A:PHE:HA	6	0.1
(1,2699)	1:63:A:ILE:HG22	1:68:A:PHE:HA	6	0.1
(1,2699)	1:63:A:ILE:HG23	1:68:A:PHE:HA	6	0.1
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	11	0.1
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	11	0.1
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	11	0.1
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	12	0.1
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	12	0.1
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	12	0.1
(1,2697)	1:63:A:ILE:HG21	1:63:A:ILE:HA	13	0.1
(1,2697)	1:63:A:ILE:HG22	1:63:A:ILE:HA	13	0.1
(1,2697)	1:63:A:ILE:HG23	1:63:A:ILE:HA	13	0.1
(1,2666)	1:55:A:VAL:HG21	1:52:A:ILE:HA	2	0.1
(1,2666)	1:55:A:VAL:HG22	1:52:A:ILE:HA	2	0.1
(1,2666)	1:55:A:VAL:HG23	1:52:A:ILE:HA	2	0.1
(1,2663)	1:55:A:VAL:HG21	1:56:A:ASP:H	12	0.1
(1,2663)	1:55:A:VAL:HG22	1:56:A:ASP:H	12	0.1
(1,2663)	1:55:A:VAL:HG23	1:56:A:ASP:H	12	0.1
(1,2657)	1:55:A:VAL:HG23	1:63:A:ILE:HG22	16	0.1
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	7	0.1
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	7	0.1
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	7	0.1
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	7	0.1
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	7	0.1
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	7	0.1
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	7	0.1
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	7	0.1
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	7	0.1
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG21	15	0.1
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG22	15	0.1
(1,2650)	1:52:A:ILE:HD11	1:29:A:THR:HG23	15	0.1
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG21	15	0.1
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG22	15	0.1
(1,2650)	1:52:A:ILE:HD12	1:29:A:THR:HG23	15	0.1
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG21	15	0.1
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG22	15	0.1
(1,2650)	1:52:A:ILE:HD13	1:29:A:THR:HG23	15	0.1
(1,2649)	1:52:A:ILE:HD11	1:52:A:ILE:HB	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2649)	1:52:A:ILE:HD12	1:52:A:ILE:HB	1	0.1
(1,2649)	1:52:A:ILE:HD13	1:52:A:ILE:HB	1	0.1
(1,2645)	1:52:A:ILE:HG21	1:56:A:ASP:HB2	4	0.1
(1,2645)	1:52:A:ILE:HG22	1:56:A:ASP:HB2	4	0.1
(1,2645)	1:52:A:ILE:HG23	1:56:A:ASP:HB2	4	0.1
(1,2640)	1:52:A:ILE:HG21	1:52:A:ILE:HG12	10	0.1
(1,2640)	1:52:A:ILE:HG22	1:52:A:ILE:HG12	10	0.1
(1,2640)	1:52:A:ILE:HG23	1:52:A:ILE:HG12	10	0.1
(1,2635)	1:51:A:MET:HE1	2:202:B:ASP:HB3	20	0.1
(1,2635)	1:51:A:MET:HE2	2:202:B:ASP:HB3	20	0.1
(1,2635)	1:51:A:MET:HE3	2:202:B:ASP:HB3	20	0.1
(1,2631)	1:51:A:MET:HE1	1:51:A:MET:HG3	1	0.1
(1,2631)	1:51:A:MET:HE2	1:51:A:MET:HG3	1	0.1
(1,2631)	1:51:A:MET:HE3	1:51:A:MET:HG3	1	0.1
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	6	0.1
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	6	0.1
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	6	0.1
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	7	0.1
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	7	0.1
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	7	0.1
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	10	0.1
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	10	0.1
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	10	0.1
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	11	0.1
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	11	0.1
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	11	0.1
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	15	0.1
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	15	0.1
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	15	0.1
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	16	0.1
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	16	0.1
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	16	0.1
(1,2608)	1:46:A:ALA:HB1	1:46:A:ALA:H	19	0.1
(1,2608)	1:46:A:ALA:HB2	1:46:A:ALA:H	19	0.1
(1,2608)	1:46:A:ALA:HB3	1:46:A:ALA:H	19	0.1
(1,2602)	1:39:A:LEU:HD21	1:39:A:LEU:HA	2	0.1
(1,2602)	1:39:A:LEU:HD22	1:39:A:LEU:HA	2	0.1
(1,2602)	1:39:A:LEU:HD23	1:39:A:LEU:HA	2	0.1
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	16	0.1
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	16	0.1
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	16	0.1
(1,2554)	1:29:A:THR:HG21	1:52:A:ILE:HG13	19	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2554)	1:29:A:THR:HG22	1:52:A:ILE:HG13	19	0.1
(1,2554)	1:29:A:THR:HG23	1:52:A:ILE:HG13	19	0.1
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	5	0.1
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	5	0.1
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	5	0.1
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	13	0.1
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	13	0.1
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	13	0.1
(1,2552)	1:29:A:THR:HG21	1:48:A:LEU:HB3	16	0.1
(1,2552)	1:29:A:THR:HG22	1:48:A:LEU:HB3	16	0.1
(1,2552)	1:29:A:THR:HG23	1:48:A:LEU:HB3	16	0.1
(1,2537)	1:27:A:ILE:HD11	1:63:A:ILE:HB	13	0.1
(1,2537)	1:27:A:ILE:HD12	1:63:A:ILE:HB	13	0.1
(1,2537)	1:27:A:ILE:HD13	1:63:A:ILE:HB	13	0.1
(1,2502)	1:15:A:ALA:HB1	1:16:A:PHE:HA	5	0.1
(1,2502)	1:15:A:ALA:HB2	1:16:A:PHE:HA	5	0.1
(1,2502)	1:15:A:ALA:HB3	1:16:A:PHE:HA	5	0.1
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	1	0.1
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	1	0.1
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	1	0.1
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	3	0.1
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	3	0.1
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	3	0.1
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	11	0.1
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	11	0.1
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	11	0.1
(1,2500)	1:15:A:ALA:HB1	1:16:A:PHE:H	14	0.1
(1,2500)	1:15:A:ALA:HB2	1:16:A:PHE:H	14	0.1
(1,2500)	1:15:A:ALA:HB3	1:16:A:PHE:H	14	0.1
(1,2498)	1:15:A:ALA:HB1	1:15:A:ALA:H	13	0.1
(1,2498)	1:15:A:ALA:HB2	1:15:A:ALA:H	13	0.1
(1,2498)	1:15:A:ALA:HB3	1:15:A:ALA:H	13	0.1
(1,2498)	1:15:A:ALA:HB1	1:15:A:ALA:H	17	0.1
(1,2498)	1:15:A:ALA:HB2	1:15:A:ALA:H	17	0.1
(1,2498)	1:15:A:ALA:HB3	1:15:A:ALA:H	17	0.1
(1,2478)	1:9:A:ILE:HG21	1:13:A:LYS:HD3	4	0.1
(1,2478)	1:9:A:ILE:HG22	1:13:A:LYS:HD3	4	0.1
(1,2478)	1:9:A:ILE:HG23	1:13:A:LYS:HD3	4	0.1
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	7	0.1
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	7	0.1
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	7	0.1
(1,2475)	1:9:A:ILE:HG21	1:9:A:ILE:HA	14	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2475)	1:9:A:ILE:HG22	1:9:A:ILE:HA	14	0.1
(1,2475)	1:9:A:ILE:HG23	1:9:A:ILE:HA	14	0.1
(1,2471)	1:9:A:ILE:HG21	1:10:A:ALA:HA	17	0.1
(1,2471)	1:9:A:ILE:HG22	1:10:A:ALA:HA	17	0.1
(1,2471)	1:9:A:ILE:HG23	1:10:A:ALA:HA	17	0.1
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB2	4	0.1
(1,2470)	1:9:A:ILE:HG21	1:12:A:PHE:HB3	4	0.1
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB2	4	0.1
(1,2470)	1:9:A:ILE:HG22	1:12:A:PHE:HB3	4	0.1
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB2	4	0.1
(1,2470)	1:9:A:ILE:HG23	1:12:A:PHE:HB3	4	0.1
(1,2449)	1:4:A:LEU:HD11	1:4:A:LEU:HB2	3	0.1
(1,2449)	1:4:A:LEU:HD12	1:4:A:LEU:HB2	3	0.1
(1,2449)	1:4:A:LEU:HD13	1:4:A:LEU:HB2	3	0.1
(1,2447)	1:4:A:LEU:HD11	1:69:A:LEU:HA	8	0.1
(1,2447)	1:4:A:LEU:HD12	1:69:A:LEU:HA	8	0.1
(1,2447)	1:4:A:LEU:HD13	1:69:A:LEU:HA	8	0.1
(1,2436)	1:132:A:GLY:HA3	1:132:A:GLY:H	12	0.1
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	1	0.1
(1,2405)	1:33:A:GLY:HA3	1:36:A:MET:HB3	16	0.1
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD11	13	0.1
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD12	13	0.1
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD13	13	0.1
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD21	13	0.1
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD22	13	0.1
(1,2404)	1:33:A:GLY:HA3	1:48:A:LEU:HD23	13	0.1
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD11	20	0.1
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD12	20	0.1
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD13	20	0.1
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD21	20	0.1
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD22	20	0.1
(1,2397)	1:33:A:GLY:HA2	1:48:A:LEU:HD23	20	0.1
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD1	12	0.1
(1,2309)	1:141:A:PHE:HA	1:141:A:PHE:HD2	12	0.1
(1,2194)	1:106:A:ARG:HA	1:109:A:MET:HB3	15	0.1
(1,2179)	1:103:A:ALA:HA	1:106:A:ARG:HD2	12	0.1
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD1	20	0.1
(1,2159)	1:92:A:PHE:HA	1:92:A:PHE:HD2	20	0.1
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	2	0.1
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	4	0.1
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	15	0.1
(1,2119)	1:85:A:ILE:HA	1:86:A:ARG:HA	16	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2110)	1:79:A:THR:HA	1:79:A:THR:H	13	0.1
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG2	6	0.1
(1,2107)	1:77:A:LYS:HA	1:77:A:LYS:HG3	6	0.1
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD11	9	0.1
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD12	9	0.1
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD13	9	0.1
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD21	9	0.1
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD22	9	0.1
(1,2090)	1:73:A:ALA:HA	1:4:A:LEU:HD23	9	0.1
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	2	0.1
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	5	0.1
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	7	0.1
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	9	0.1
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	10	0.1
(1,2069)	1:71:A:MET:HA	1:72:A:MET:H	15	0.1
(1,2055)	1:69:A:LEU:HA	1:12:A:PHE:HD1	7	0.1
(1,2055)	1:69:A:LEU:HA	1:12:A:PHE:HD2	7	0.1
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	6	0.1
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	6	0.1
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	6	0.1
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE1	15	0.1
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE2	15	0.1
(1,2050)	1:68:A:PHE:HA	1:71:A:MET:HE3	15	0.1
(1,2036)	1:66:A:PRO:HA	1:69:A:LEU:HG	2	0.1
(1,2036)	1:66:A:PRO:HA	1:69:A:LEU:HG	6	0.1
(1,2036)	1:66:A:PRO:HA	1:69:A:LEU:HG	20	0.1
(1,2032)	1:66:A:PRO:HA	1:69:A:LEU:HB3	16	0.1
(1,2027)	1:65:A:PHE:HA	1:68:A:PHE:HB2	16	0.1
(1,2013)	1:53:A:ASN:HA	1:53:A:ASN:HB2	10	0.1
(1,1991)	1:48:A:LEU:HA	1:51:A:MET:HB2	10	0.1
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD1	7	0.1
(1,1947)	1:32:A:LEU:HA	1:19:A:PHE:HD2	7	0.1
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	3	0.1
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	3	0.1
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD2	13	0.1
(1,1926)	1:21:A:LYS:HA	1:21:A:LYS:HD3	13	0.1
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD1	19	0.1
(1,1900)	1:16:A:PHE:HA	1:16:A:PHE:HD2	19	0.1
(1,1880)	1:13:A:LYS:HA	1:13:A:LYS:HG3	12	0.1
(1,1856)	1:9:A:ILE:HA	1:12:A:PHE:HB2	8	0.1
(1,1856)	1:9:A:ILE:HA	1:12:A:PHE:HB3	8	0.1
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	7	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	7	0.1
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	11	0.1
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	11	0.1
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG2	16	0.1
(1,1830)	1:143:A:GLN:HE21	1:143:A:GLN:HG3	16	0.1
(1,1826)	1:137:A:ASN:HD22	1:140:A:GLU:HG3	9	0.1
(1,1784)	1:135:A:GLN:HE22	1:133:A:ASP:HB3	18	0.1
(1,1778)	1:126:A:ARG:HE	1:126:A:ARG:HG2	13	0.1
(1,1778)	1:126:A:ARG:HE	1:126:A:ARG:HG2	20	0.1
(1,1717)	1:49:A:GLN:HE21	1:49:A:GLN:HG2	7	0.1
(1,1717)	1:49:A:GLN:HE21	1:49:A:GLN:HG3	7	0.1
(1,1674)	1:148:A:LYS:H	1:148:A:LYS:HA	6	0.1
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	4	0.1
(1,1673)	1:148:A:LYS:H	1:147:A:ALA:HA	11	0.1
(1,1624)	1:143:A:GLN:H	1:140:A:GLU:H	8	0.1
(1,1624)	1:143:A:GLN:H	1:140:A:GLU:H	17	0.1
(1,1588)	1:140:A:GLU:H	1:137:A:ASN:HD21	14	0.1
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD1	18	0.1
(1,1542)	1:137:A:ASN:H	1:89:A:PHE:HD2	18	0.1
(1,1501)	1:135:A:GLN:H	1:136:A:VAL:HA	9	0.1
(1,1501)	1:135:A:GLN:H	1:136:A:VAL:HA	13	0.1
(1,1459)	1:132:A:GLY:H	1:140:A:GLU:H	9	0.1
(1,1444)	1:131:A:ASP:H	1:140:A:GLU:HG2	1	0.1
(1,1397)	1:127:A:GLU:H	1:127:A:GLU:HG3	8	0.1
(1,1336)	1:121:A:VAL:H	1:120:A:GLU:HB2	11	0.1
(1,1336)	1:121:A:VAL:H	1:120:A:GLU:HB2	15	0.1
(1,1237)	1:113:A:GLY:H	1:112:A:LEU:HB3	18	0.1
(1,1210)	1:110:A:THR:H	1:112:A:LEU:HD13	12	0.1
(1,1190)	1:109:A:MET:H	1:109:A:MET:HB3	6	0.1
(1,1190)	1:109:A:MET:H	1:109:A:MET:HB3	15	0.1
(1,1138)	1:104:A:GLU:H	1:100:A:ILE:HG23	14	0.1
(1,1110)	1:102:A:ALA:H	1:101:A:SER:HB3	16	0.1
(1,1069)	1:99:A:TYR:H	1:97:A:ASN:HD21	6	0.1
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	11	0.1
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	11	0.1
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD1	16	0.1
(1,1065)	1:99:A:TYR:H	1:99:A:TYR:HD2	16	0.1
(1,1009)	1:94:A:LYS:H	1:100:A:ILE:HA	18	0.1
(1,864)	1:78:A:ASP:H	1:79:A:THR:H	13	0.1
(1,774)	1:69:A:LEU:H	1:68:A:PHE:HB3	4	0.1
(1,774)	1:69:A:LEU:H	1:68:A:PHE:HB3	16	0.1
(1,774)	1:69:A:LEU:H	1:68:A:PHE:HB3	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD1	20	0.1
(1,769)	1:69:A:LEU:H	1:68:A:PHE:HD2	20	0.1
(1,755)	1:68:A:PHE:H	1:67:A:GLU:HG2	16	0.1
(1,743)	1:67:A:GLU:H	1:66:A:PRO:HD2	5	0.1
(1,743)	1:67:A:GLU:H	1:66:A:PRO:HD3	5	0.1
(1,692)	1:63:A:ILE:H	1:52:A:ILE:HD13	5	0.1
(1,673)	1:62:A:THR:H	1:60:A:ASN:HB3	13	0.1
(1,658)	1:61:A:GLY:H	1:52:A:ILE:HG21	2	0.1
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	1	0.1
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	4	0.1
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	10	0.1
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	11	0.1
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	14	0.1
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	15	0.1
(1,647)	1:60:A:ASN:H	1:60:A:ASN:HB3	20	0.1
(1,605)	1:55:A:VAL:H	1:56:A:ASP:HB3	15	0.1
(1,555)	1:52:A:ILE:H	1:51:A:MET:HG3	7	0.1
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG2	12	0.1
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG3	12	0.1
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG2	16	0.1
(1,497)	1:46:A:ALA:H	1:45:A:GLU:HG3	16	0.1
(1,375)	1:32:A:LEU:H	1:33:A:GLY:HA2	18	0.1
(1,363)	1:32:A:LEU:H	1:27:A:ILE:HG22	7	0.1
(1,315)	1:28:A:THR:H	1:20:A:ASP:HA	20	0.1
(1,313)	1:28:A:THR:H	1:31:A:GLU:HB3	7	0.1
(1,313)	1:28:A:THR:H	1:31:A:GLU:HB3	11	0.1
(1,214)	1:20:A:ASP:H	1:18:A:LEU:H	10	0.1
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD11	3	0.1
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD12	3	0.1
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD13	3	0.1
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD11	5	0.1
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD12	5	0.1
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD13	5	0.1
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD11	15	0.1
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD12	15	0.1
(1,209)	1:19:A:PHE:H	1:27:A:ILE:HD13	15	0.1
(1,174)	1:16:A:PHE:H	1:68:A:PHE:HE2	19	0.1
(1,137)	1:14:A:GLU:H	1:13:A:LYS:HG2	3	0.1
(1,1)	1:3:A:GLN:H	1:2:A:ASP:HB3	8	0.1

10 Dihedral-angle violation analysis

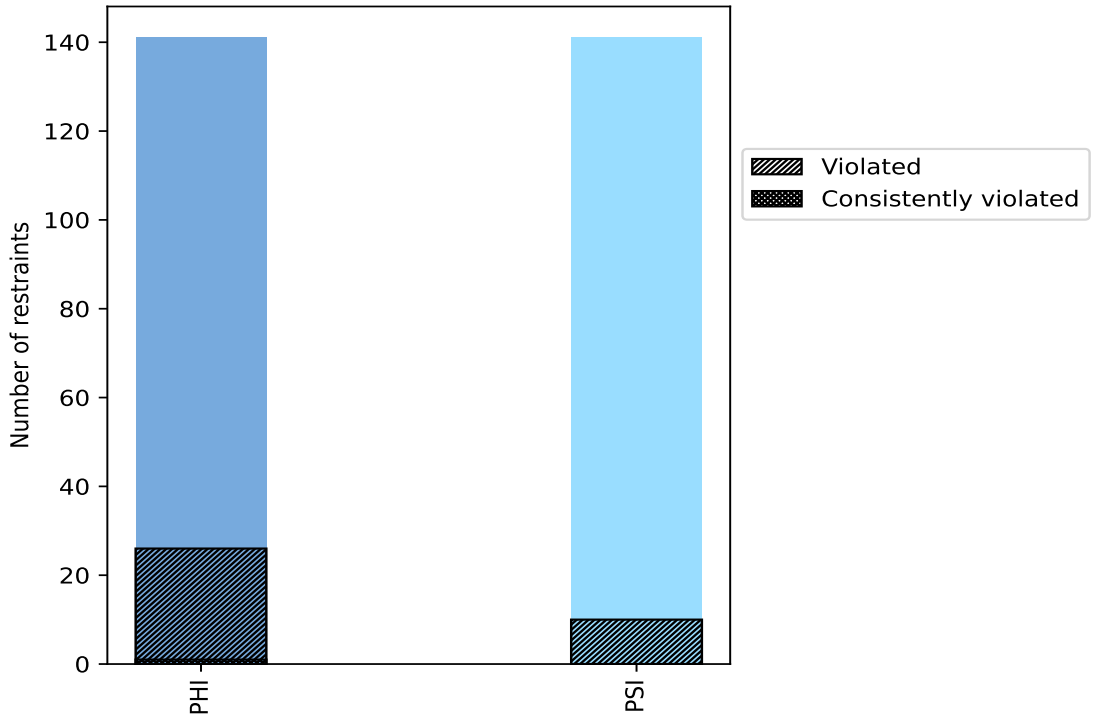
10.1 Summary of dihedral-angle violations

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	141	50.0	26	18.4	9.2	1	0.7	0.4
PSI	141	50.0	10	7.1	3.5	0	0.0	0.0
Total	282	100.0	36	12.8	12.8	1	0.4	0.4

[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



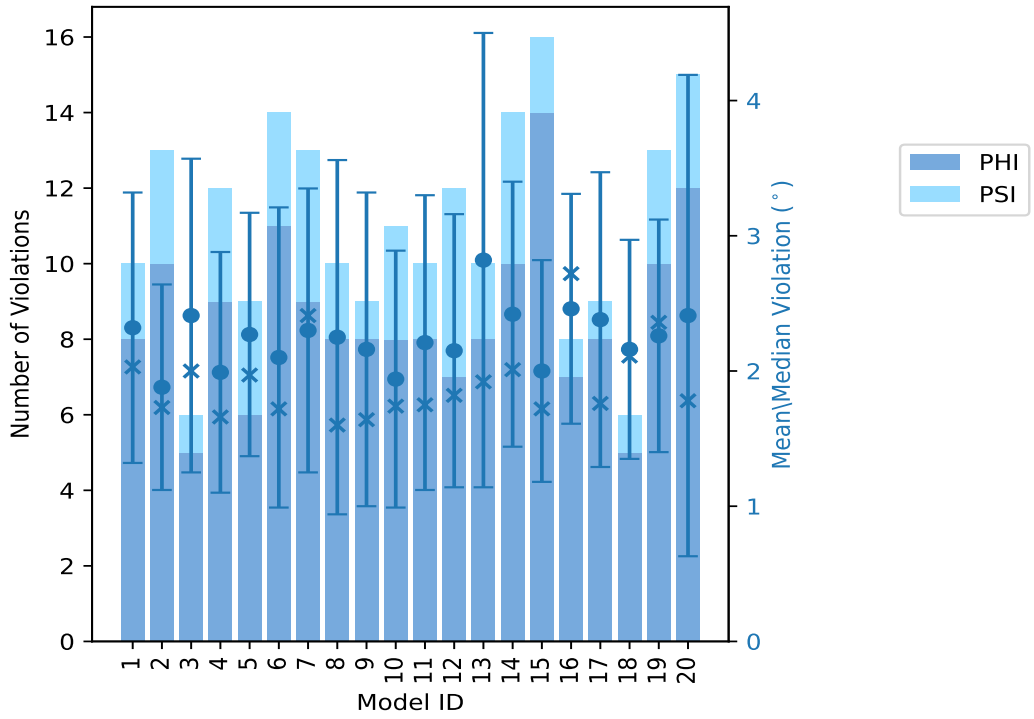
Violated and consistently violated restraints are shown using different hatch patterns in their respective categories

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	8	2	10	2.32	4.5	1.0	2.03
2	10	3	13	1.88	3.79	0.76	1.73
3	5	1	6	2.41	4.87	1.16	2.0
4	9	3	12	1.99	3.73	0.89	1.66
5	6	3	9	2.27	3.61	0.9	1.97
6	11	3	14	2.1	4.92	1.11	1.72
7	9	4	13	2.3	4.56	1.05	2.41
8	8	2	10	2.25	5.43	1.31	1.6
9	8	1	9	2.16	4.89	1.16	1.64
10	8	3	11	1.94	4.23	0.95	1.74
11	8	2	10	2.21	4.42	1.09	1.75
12	7	5	12	2.15	4.04	1.01	1.82
13	8	2	10	2.82	6.62	1.68	1.92
14	10	4	14	2.42	4.41	0.98	2.01
15	14	2	16	2.0	3.43	0.82	1.72
16	7	1	8	2.46	3.44	0.85	2.72
17	8	1	9	2.38	4.66	1.09	1.76
18	5	1	6	2.16	3.37	0.81	2.11
19	10	3	13	2.26	3.69	0.86	2.36
20	12	3	15	2.41	8.12	1.78	1.78

10.2.1 Bar graph : Dihedral violation statistics for each model



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

10.3 Dihedral-angle violation statistics for the ensemble

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]	%
10	1	11	1	5.0
2	1	3	2	10.0
2	2	4	3	15.0
0	2	2	4	20.0
1	1	2	5	25.0
1	0	1	6	30.0
1	0	1	7	35.0
1	2	3	8	40.0
1	0	1	9	45.0
1	0	1	10	50.0
0	1	1	11	55.0

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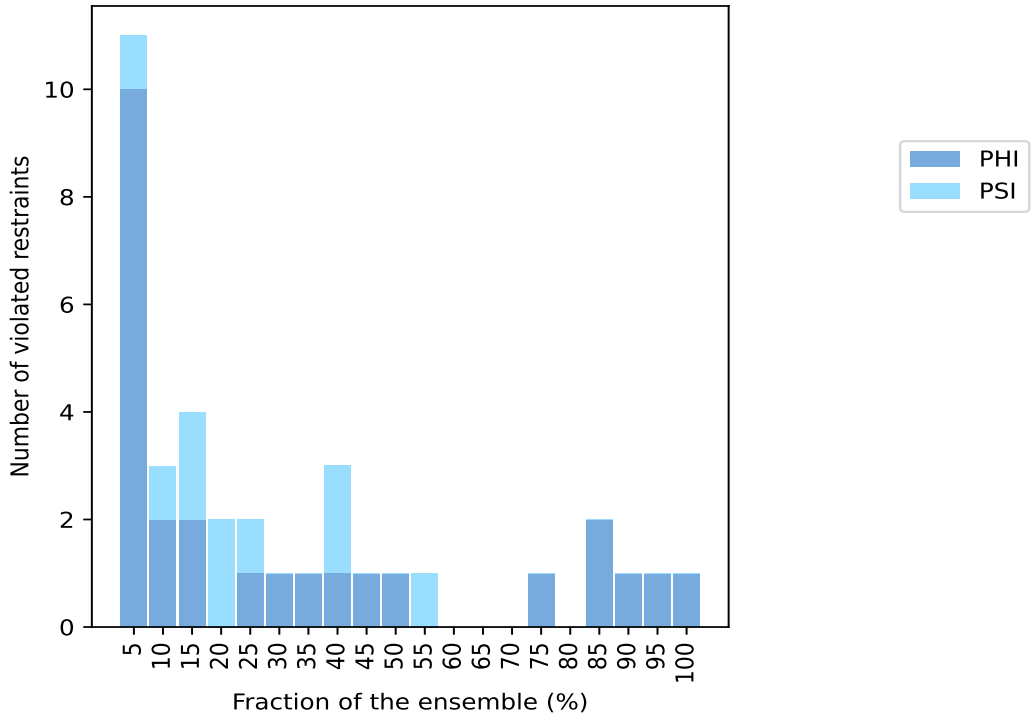
Number of violated restraints			Fraction of the ensemble	
PHI	PSI	Total	Count[1]	%
0	0	0	12	60.0
0	0	0	13	65.0
0	0	0	14	70.0
1	0	1	15	75.0
0	0	0	16	80.0
2	0	2	17	85.0
1	0	1	18	90.0
1	0	1	19	95.0
1	0	1	20	100.0

[1] Number of models with violations

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

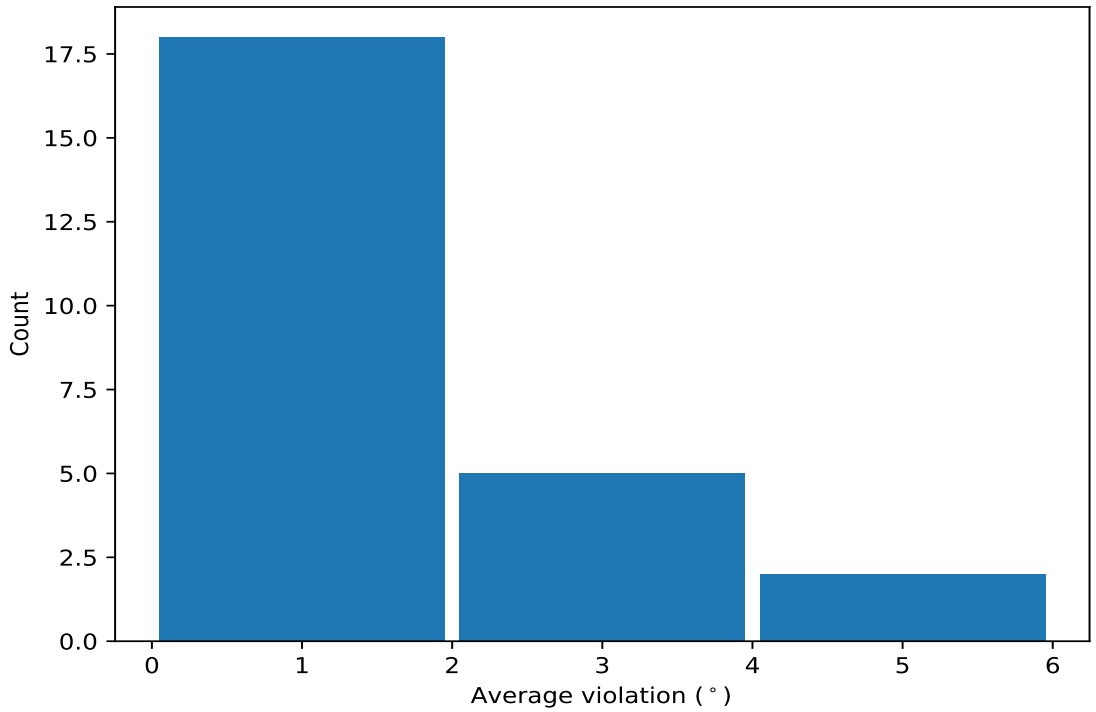


10.4 Most violated dihedral-angle restraints in the ensemble

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
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	20	3.15	0.57	3.26
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	19	4.11	0.76	4.14
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	18	2.54	0.61	2.49
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	17	1.82	0.63	1.6
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	17	1.64	0.36	1.59
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	15	1.52	0.36	1.43
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	11	2.72	0.65	2.86
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	10	1.82	0.62	1.78
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	9	1.6	0.4	1.71
(1,256)	1:146:A:THR:N	1:146:A:THR:CA	1:146:A:THR:C	1:147:A:ALA:N	8	1.94	0.55	1.91
(1,53)	1:31:A:GLU:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	8	1.28	0.26	1.19
(1,230)	1:131:A:ASP:N	1:131:A:ASP:CA	1:131:A:ASP:C	1:132:A:GLY:N	8	1.12	0.09	1.1
(1,99)	1:54:A:GLU:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	7	1.76	0.34	1.63
(1,261)	2:203:B:VAL:C	2:204:B:PHE:N	2:204:B:PHE:CA	2:204:B:PHE:C	6	2.83	1.06	2.96
(1,267)	2:206:B:LYS:C	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	5	1.74	0.58	1.78
(1,6)	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	1:6:A:GLU:N	5	1.55	0.36	1.76
(1,140)	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	1:82:A:GLU:N	4	5.56	1.96	5.59
(1,268)	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	2:208:B:LEU:N	4	1.93	0.46	1.96
(1,146)	1:84:A:GLU:N	1:84:A:GLU:CA	1:84:A:GLU:C	1:85:A:ILE:N	3	2.36	1.46	1.54
(1,209)	1:120:A:GLU:C	1:121:A:VAL:N	1:121:A:VAL:CA	1:121:A:VAL:C	3	1.74	0.45	1.67

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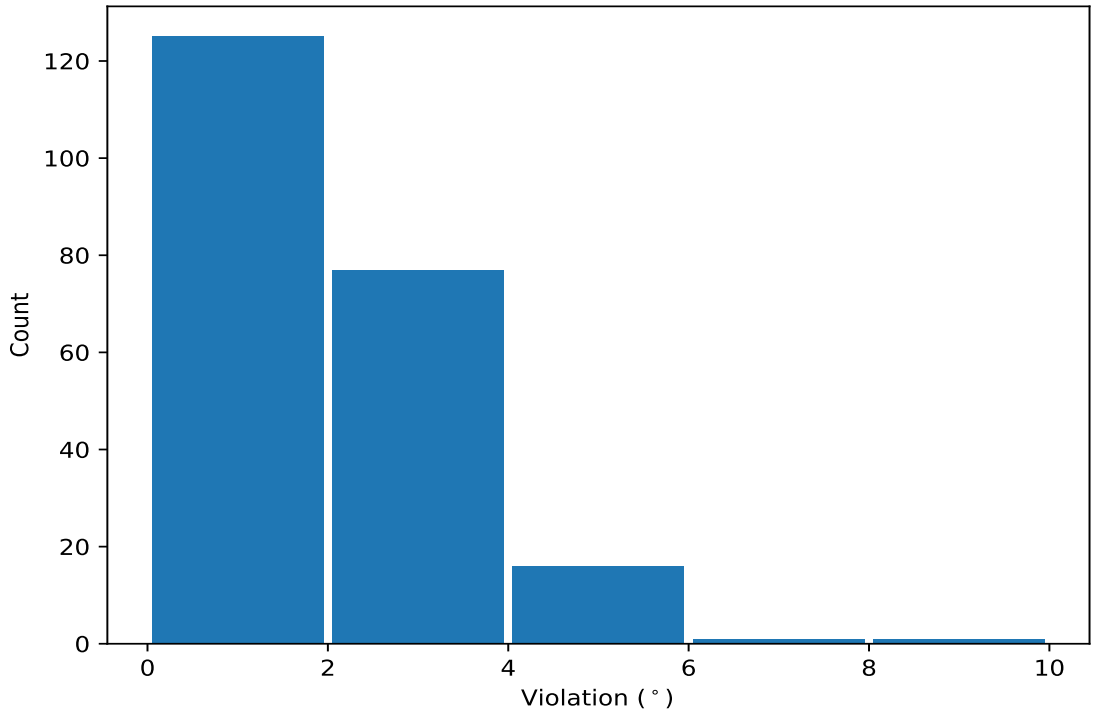
Key	Atom-1	Atom-2	Atom-3	Atom-4	Models[1]	Mean	SD[2]	Median
(1,260)	2:203:B:VAL:N	2:203:B:VAL:CA	2:203:B:VAL:C	2:204:B:PHE:N	3	1.49	0.26	1.61
(1,269)	2:207:B:GLY:C	2:208:B:LEU:N	2:208:B:LEU:CA	2:208:B:LEU:C	3	1.32	0.23	1.32
(1,59)	1:34:A:THR:C	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	2	1.58	0.36	1.58
(1,249)	1:142:A:VAL:C	1:143:A:GLN:N	1:143:A:GLN:CA	1:143:A:GLN:C	2	1.49	0.36	1.49
(1,96)	1:53:A:ASN:N	1:53:A:ASN:CA	1:53:A:ASN:C	1:54:A:GLU:N	2	1.19	0.03	1.19

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

10.5 All violated dihedral-angle restraints

10.5.1 Histogram : Distribution of violations

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



10.5.2 Table: All violated dihedral-angle restraints

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 (°)
(1,140)	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	1:82:A:GLU:N	20	8.12
(1,140)	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	1:82:A:GLU:N	13	6.62

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	8	5.43
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	6	4.92
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	9	4.89
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	3	4.87
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	17	4.66
(1,140)	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	1:82:A:GLU:N	7	4.56
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	1	4.5
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	11	4.42
(1,146)	1:84:A:GLU:N	1:84:A:GLU:CA	1:84:A:GLU:C	1:85:A:ILE:N	14	4.41
(1,261)	2:203:B:VAL:C	2:204:B:PHE:N	2:204:B:PHE:CA	2:204:B:PHE:C	13	4.37
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	14	4.28
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	10	4.23
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	20	4.14
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	13	4.09
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	12	4.04
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	12	4.03
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	7	3.82
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	2	3.79
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	4	3.73
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	19	3.69
(1,261)	2:203:B:VAL:C	2:204:B:PHE:N	2:204:B:PHE:CA	2:204:B:PHE:C	20	3.67
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	5	3.61
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	11	3.55
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	9	3.48
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	6	3.45
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	16	3.44
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	15	3.43
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	13	3.42
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	6	3.41
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	8	3.4
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	4	3.38
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	18	3.37
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	19	3.37
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	10	3.36
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	14	3.33
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	5	3.32
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	16	3.31
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	17	3.29
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	1	3.24
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	8	3.21
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	14	3.18
(1,261)	2:203:B:VAL:C	2:204:B:PHE:N	2:204:B:PHE:CA	2:204:B:PHE:C	16	3.16
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	11	3.16
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	19	3.16
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	7	3.16
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	15	3.15
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	2	3.14
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	15	3.12
(1,179)	1:104:A:GLU:C	1:105:A:LEU:N	1:105:A:LEU:CA	1:105:A:LEU:C	16	3.11
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	5	3.09
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	15	3.03

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	4	2.99
(1,140)	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	1:82:A:GLU:N	17	2.96
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	19	2.94
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	18	2.93
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	17	2.93
(1,256)	1:146:A:THR:N	1:146:A:THR:CA	1:146:A:THR:C	1:147:A:ALA:N	12	2.88
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	1	2.86
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	1	2.83
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	5	2.82
(1,261)	2:203:B:VAL:C	2:204:B:PHE:N	2:204:B:PHE:CA	2:204:B:PHE:C	19	2.75
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	7	2.75
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	12	2.71
(1,191)	1:110:A:THR:C	1:111:A:ASN:N	1:111:A:ASN:CA	1:111:A:ASN:C	15	2.69
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	20	2.67
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	19	2.66
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	14	2.66
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	7	2.56
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	6	2.55
(1,267)	2:206:B:LYS:C	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	15	2.53
(1,268)	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	2:208:B:LEU:N	7	2.52
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	3	2.5
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	11	2.43
(1,256)	1:146:A:THR:N	1:146:A:THR:CA	1:146:A:THR:C	1:147:A:ALA:N	7	2.41
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	20	2.39
(1,263)	2:204:B:PHE:C	2:205:B:MET:N	2:205:B:MET:CA	2:205:B:MET:C	20	2.37
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	19	2.36
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	18	2.34
(1,256)	1:146:A:THR:N	1:146:A:THR:CA	1:146:A:THR:C	1:147:A:ALA:N	20	2.32
(1,209)	1:120:A:GLU:C	1:121:A:VAL:N	1:121:A:VAL:CA	1:121:A:VAL:C	6	2.32
(1,99)	1:54:A:GLU:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	16	2.32
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	4	2.3
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	3	2.24
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	8	2.21
(1,267)	2:206:B:LYS:C	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	14	2.2
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	1	2.2
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	10	2.19
(1,268)	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	2:208:B:LEU:N	12	2.15
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	4	2.15
(1,99)	1:54:A:GLU:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	6	2.12
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	6	2.09
(1,143)	1:82:A:GLU:C	1:83:A:GLU:N	1:83:A:GLU:CA	1:83:A:GLU:C	14	2.08
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	2	2.07
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	9	1.99
(1,99)	1:54:A:GLU:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	7	1.98
(1,256)	1:146:A:THR:N	1:146:A:THR:CA	1:146:A:THR:C	1:147:A:ALA:N	5	1.97
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	12	1.97
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	13	1.95
(1,59)	1:34:A:THR:C	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	14	1.94
(1,53)	1:31:A:GLU:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	2	1.94
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	2	1.93
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	15	1.92

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	14	1.91
(1,193)	1:111:A:ASN:C	1:112:A:LEU:N	1:112:A:LEU:CA	1:112:A:LEU:C	15	1.89
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	9	1.88
(1,6)	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	1:6:A:GLU:N	13	1.88
(1,5)	1:4:A:LEU:C	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	18	1.88
(1,6)	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	1:6:A:GLU:N	14	1.87
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	1	1.86
(1,256)	1:146:A:THR:N	1:146:A:THR:CA	1:146:A:THR:C	1:147:A:ALA:N	14	1.85
(1,249)	1:142:A:VAL:C	1:143:A:GLN:N	1:143:A:GLN:CA	1:143:A:GLN:C	11	1.85
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	2	1.84
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	1	1.83
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	10	1.79
(1,268)	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	2:208:B:LEU:N	10	1.78
(1,267)	2:206:B:LYS:C	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	19	1.78
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	20	1.78
(1,261)	2:203:B:VAL:C	2:204:B:PHE:N	2:204:B:PHE:CA	2:204:B:PHE:C	17	1.76
(1,6)	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	1:6:A:GLU:N	3	1.76
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	10	1.74
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	17	1.73
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1	1.73
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	14	1.73
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	2	1.73
(1,260)	2:203:B:VAL:N	2:203:B:VAL:CA	2:203:B:VAL:C	2:204:B:PHE:N	5	1.72
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	8	1.72
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	4	1.71
(1,256)	1:146:A:THR:N	1:146:A:THR:CA	1:146:A:THR:C	1:147:A:ALA:N	2	1.7
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	13	1.68
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	3	1.68
(1,209)	1:120:A:GLU:C	1:121:A:VAL:N	1:121:A:VAL:CA	1:121:A:VAL:C	20	1.67
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	12	1.67
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	16	1.66
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	11	1.65
(1,247)	1:141:A:PHE:C	1:142:A:VAL:N	1:142:A:VAL:CA	1:142:A:VAL:C	9	1.64
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	13	1.64
(1,99)	1:54:A:GLU:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	2	1.63
(1,260)	2:203:B:VAL:N	2:203:B:VAL:CA	2:203:B:VAL:C	2:204:B:PHE:N	10	1.61
(1,269)	2:207:B:GLY:C	2:208:B:LEU:N	2:208:B:LEU:CA	2:208:B:LEU:C	12	1.6
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	4	1.6
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	11	1.59
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	9	1.57
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	4	1.57
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	9	1.57
(1,146)	1:84:A:GLU:N	1:84:A:GLU:CA	1:84:A:GLU:C	1:85:A:ILE:N	15	1.54
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	15	1.5
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	17	1.49
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	5	1.48
(1,67)	1:38:A:SER:C	1:39:A:LEU:N	1:39:A:LEU:CA	1:39:A:LEU:C	8	1.47
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	19	1.46
(1,99)	1:54:A:GLU:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	19	1.46
(1,99)	1:54:A:GLU:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	15	1.44
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	8	1.43

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	3	1.43
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	10	1.42
(1,99)	1:54:A:GLU:C	1:55:A:VAL:N	1:55:A:VAL:CA	1:55:A:VAL:C	20	1.4
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	5	1.37
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	6	1.34
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	16	1.34
(1,53)	1:31:A:GLU:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	17	1.34
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	19	1.33
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	7	1.33
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	13	1.33
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	9	1.33
(1,269)	2:207:B:GLY:C	2:208:B:LEU:N	2:208:B:LEU:CA	2:208:B:LEU:C	7	1.32
(1,201)	1:116:A:LEU:C	1:117:A:THR:N	1:117:A:THR:CA	1:117:A:THR:C	6	1.32
(1,166)	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	1:96:A:GLY:N	16	1.32
(1,19)	1:11:A:GLU:C	1:12:A:PHE:N	1:12:A:PHE:CA	1:12:A:PHE:C	12	1.32
(1,230)	1:131:A:ASP:N	1:131:A:ASP:CA	1:131:A:ASP:C	1:132:A:GLY:N	19	1.31
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	12	1.31
(1,256)	1:146:A:THR:N	1:146:A:THR:CA	1:146:A:THR:C	1:147:A:ALA:N	8	1.29
(1,268)	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	2:208:B:LEU:N	2	1.28
(1,261)	2:203:B:VAL:C	2:204:B:PHE:N	2:204:B:PHE:CA	2:204:B:PHE:C	18	1.28
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	4	1.28
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	17	1.26
(1,53)	1:31:A:GLU:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	11	1.24
(1,215)	1:123:A:GLU:C	1:124:A:MET:N	1:124:A:MET:CA	1:124:A:MET:C	14	1.23
(1,209)	1:120:A:GLU:C	1:121:A:VAL:N	1:121:A:VAL:CA	1:121:A:VAL:C	15	1.23
(1,59)	1:34:A:THR:C	1:35:A:VAL:N	1:35:A:VAL:CA	1:35:A:VAL:C	15	1.23
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	2	1.22
(1,96)	1:53:A:ASN:N	1:53:A:ASN:CA	1:53:A:ASN:C	1:54:A:GLU:N	6	1.22
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	14	1.21
(1,230)	1:131:A:ASP:N	1:131:A:ASP:CA	1:131:A:ASP:C	1:132:A:GLY:N	11	1.21
(1,267)	2:206:B:LYS:C	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	7	1.2
(1,53)	1:31:A:GLU:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	8	1.2
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	6	1.19
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	15	1.18
(1,53)	1:31:A:GLU:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	13	1.18
(1,230)	1:131:A:ASP:N	1:131:A:ASP:CA	1:131:A:ASP:C	1:132:A:GLY:N	20	1.17
(1,96)	1:53:A:ASN:N	1:53:A:ASN:CA	1:53:A:ASN:C	1:54:A:GLU:N	7	1.17
(1,2)	1:2:A:ASP:N	1:2:A:ASP:CA	1:2:A:ASP:C	1:3:A:GLN:N	18	1.17
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	20	1.15
(1,256)	1:146:A:THR:N	1:146:A:THR:CA	1:146:A:THR:C	1:147:A:ALA:N	6	1.14
(1,103)	1:56:A:ASP:C	1:57:A:ALA:N	1:57:A:ALA:CA	1:57:A:ALA:C	6	1.14
(1,53)	1:31:A:GLU:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	6	1.14
(1,39)	1:21:A:LYS:C	1:22:A:ASP:N	1:22:A:ASP:CA	1:22:A:ASP:C	20	1.14
(1,260)	2:203:B:VAL:N	2:203:B:VAL:CA	2:203:B:VAL:C	2:204:B:PHE:N	12	1.13
(1,249)	1:142:A:VAL:C	1:143:A:GLN:N	1:143:A:GLN:CA	1:143:A:GLN:C	10	1.13
(1,53)	1:31:A:GLU:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	1	1.13
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	7	1.12
(1,146)	1:84:A:GLU:N	1:84:A:GLU:CA	1:84:A:GLU:C	1:85:A:ILE:N	8	1.12
(1,131)	1:72:A:MET:C	1:73:A:ALA:N	1:73:A:ALA:CA	1:73:A:ALA:C	20	1.12
(1,6)	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	1:6:A:GLU:N	4	1.12
(1,230)	1:131:A:ASP:N	1:131:A:ASP:CA	1:131:A:ASP:C	1:132:A:GLY:N	10	1.11

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Key	Atom-1	Atom-2	Atom-3	Atom-4	Model ID	Violation (°)
(1,230)	1:131:A:ASP:N	1:131:A:ASP:CA	1:131:A:ASP:C	1:132:A:GLY:N	2	1.1
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	9	1.1
(1,6)	1:5:A:THR:N	1:5:A:THR:CA	1:5:A:THR:C	1:6:A:GLU:N	19	1.1
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	2	1.09
(1,257)	1:146:A:THR:C	1:147:A:ALA:N	1:147:A:ALA:CA	1:147:A:ALA:C	20	1.08
(1,165)	1:94:A:LYS:C	1:95:A:ASP:N	1:95:A:ASP:CA	1:95:A:ASP:C	15	1.08
(1,230)	1:131:A:ASP:N	1:131:A:ASP:CA	1:131:A:ASP:C	1:132:A:GLY:N	12	1.05
(1,230)	1:131:A:ASP:N	1:131:A:ASP:CA	1:131:A:ASP:C	1:132:A:GLY:N	4	1.04
(1,65)	1:37:A:ARG:C	1:38:A:SER:N	1:38:A:SER:CA	1:38:A:SER:C	15	1.04
(1,53)	1:31:A:GLU:C	1:32:A:LEU:N	1:32:A:LEU:CA	1:32:A:LEU:C	4	1.04
(1,269)	2:207:B:GLY:C	2:208:B:LEU:N	2:208:B:LEU:CA	2:208:B:LEU:C	10	1.03
(1,139)	1:80:A:ASP:C	1:81:A:SER:N	1:81:A:SER:CA	1:81:A:SER:C	5	1.02
(1,267)	2:206:B:LYS:C	2:207:B:GLY:N	2:207:B:GLY:CA	2:207:B:GLY:C	11	1.01
(1,230)	1:131:A:ASP:N	1:131:A:ASP:CA	1:131:A:ASP:C	1:132:A:GLY:N	1	1.01