



Full wwPDB NMR Structure Validation Report ⓘ

Jun 18, 2024 – 02:40 PM JST

PDB ID : 8K2T
BMRB ID : 36582
Title : Solution structure of full-length HtpG in complex with D131D
Authors : Qu, X.; Huang, C.
Deposited on : 2023-07-13

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 ⓘ symbol.

The types of validation reports are described at

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

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

MolProbity : 4.02b-467
Percentile statistics : 20191225.v01 (using entries in the PDB archive December 25th 2019)
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) : 2.37.1

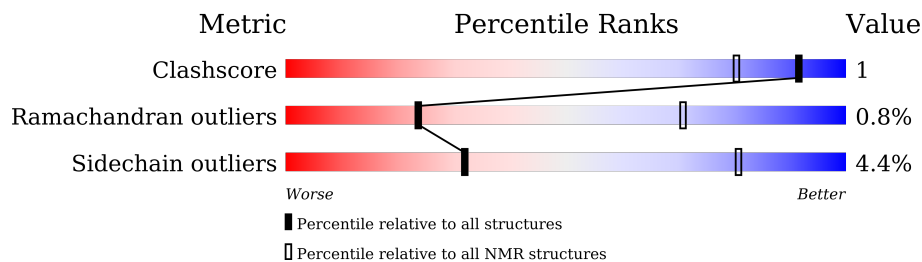
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

SOLUTION NMR

The overall completeness of chemical shifts assignment is 11%.

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	158937	12864
Ramachandran outliers	154571	11451
Sidechain outliers	154315	11428

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 $\leq 5\%$

Mol	Chain	Length	Quality of chain
1	A	624	
1	B	624	
2	C	132	

2 Ensemble composition and analysis i

This entry contains 20 models. Model 5 is the overall representative, medoid model (most similar to other models). The authors have identified model 1 as representative, based on the following criterion: *lowest energy*.

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

Well-defined (core) protein residues			
Well-defined core	Residue range (total)	Backbone RMSD (Å)	Medoid model
1	A:15-A:381, B:14-B:415, B:435-B:439, B:459-B:469 (785)	3.43	5

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

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

The models can be grouped into 3 clusters and 2 single-model clusters were found.

Cluster number	Models
1	1, 2, 3, 7, 8, 9, 11, 14
2	6, 10, 12, 17, 18
3	4, 5, 13, 15, 20
Single-model clusters	16; 19

3 Entry composition

There are 2 unique types of molecules in this entry. The entry contains 22181 atoms, of which 11056 are hydrogens and 0 are deuteriums.

- Molecule 1 is a protein called Chaperone protein HtpG.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
1	A	624	10015	3174	4980	862	986	13	0
1	B	624	10015	3174	4980	862	986	13	0

- Molecule 2 is a protein called Nuclease A.

Mol	Chain	Residues	Atoms						Trace
			Total	C	H	N	O	S	
2	C	132	2151	672	1096	184	194	5	0

There are 4 discrepancies between the modelled and reference sequences:

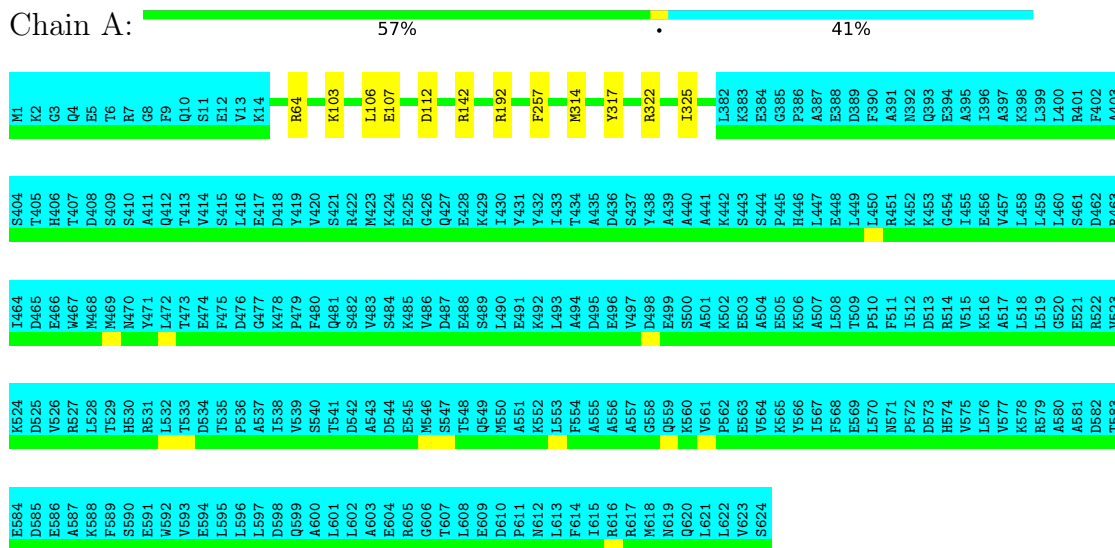
Chain	Residue	Modelled	Actual	Comment	Reference
C	1	MET	-	initiating methionine	UNP P00644
C	2	ALA	-	expression tag	UNP P00644
C	3	THR	-	expression tag	UNP P00644
C	4	SER	-	expression tag	UNP P00644

4 Residue-property plots i

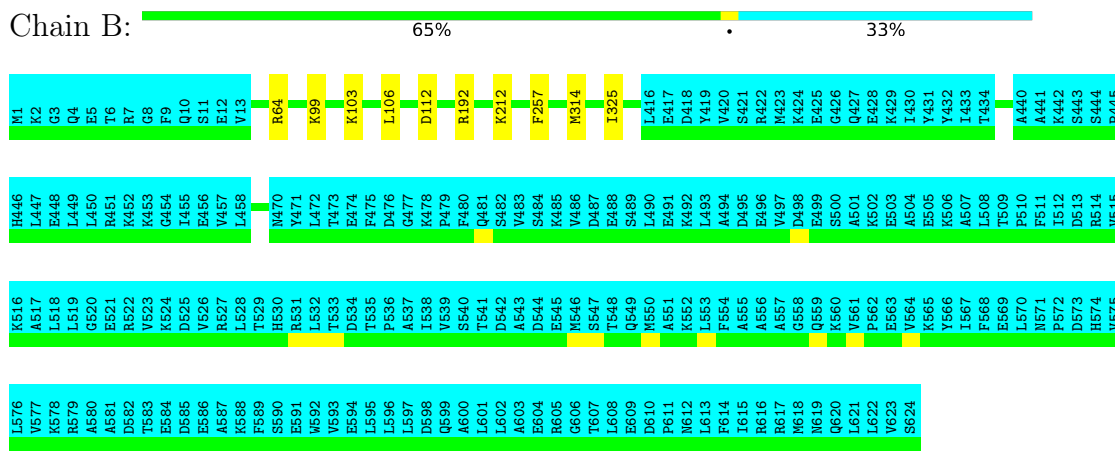
4.1 Average score per residue in the NMR ensemble

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.

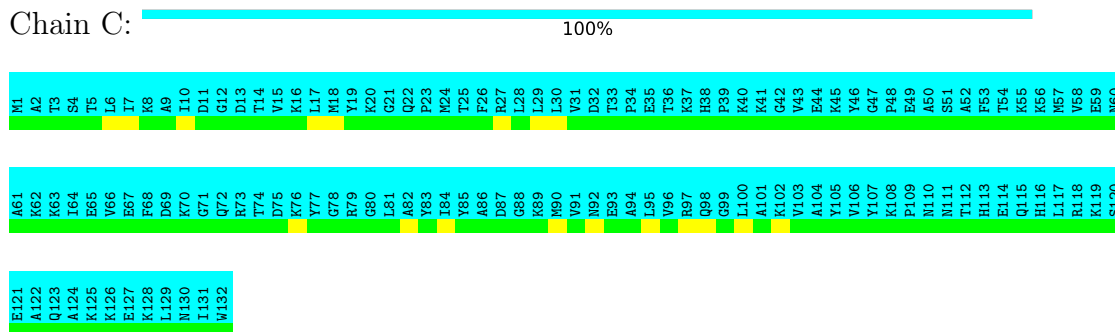
- Molecule 1: Chaperone protein HtpG



- Molecule 1: Chaperone protein HtpG



- Molecule 2: Nuclease A

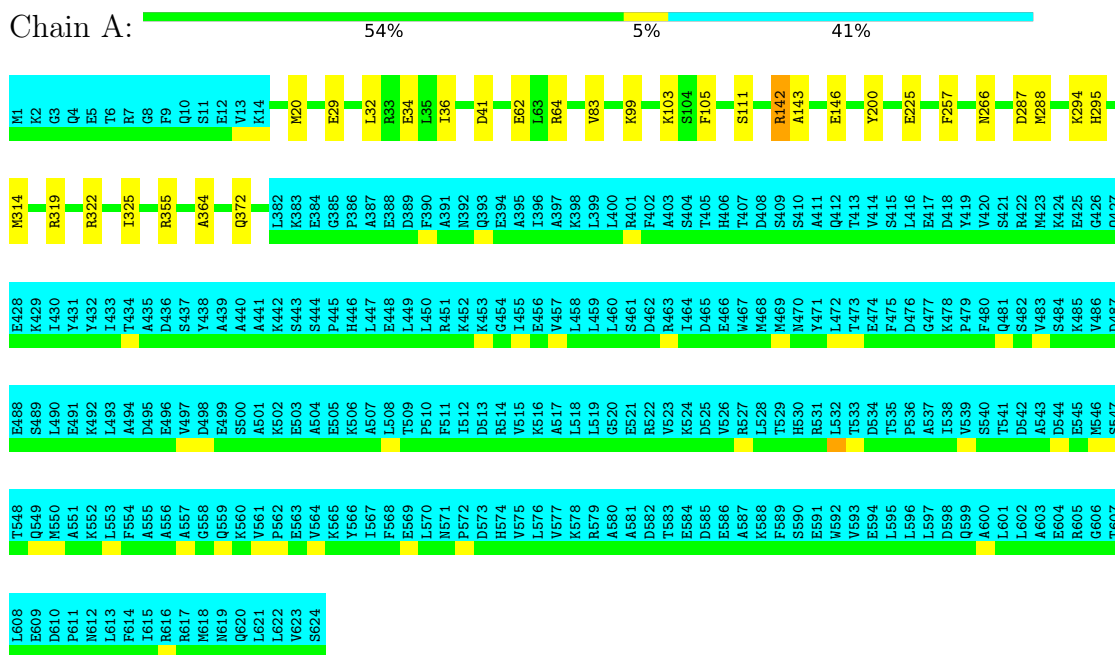


4.2 Scores per residue for each member of the ensemble

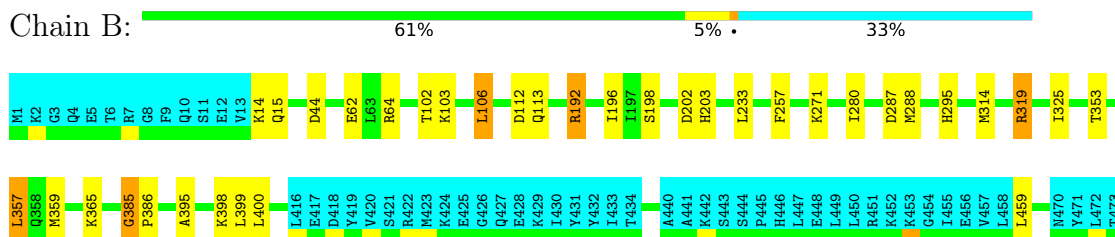
Colouring as in section 4.1 above.

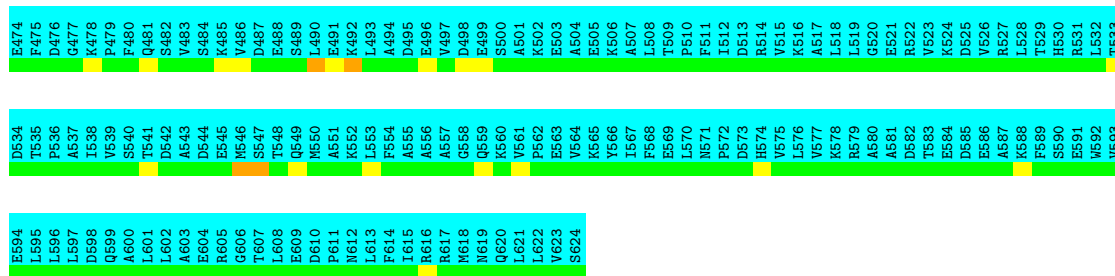
4.2.1 Score per residue for model 1

- Molecule 1: Chaperone protein HtpG



- Molecule 1: Chaperone protein HtpG



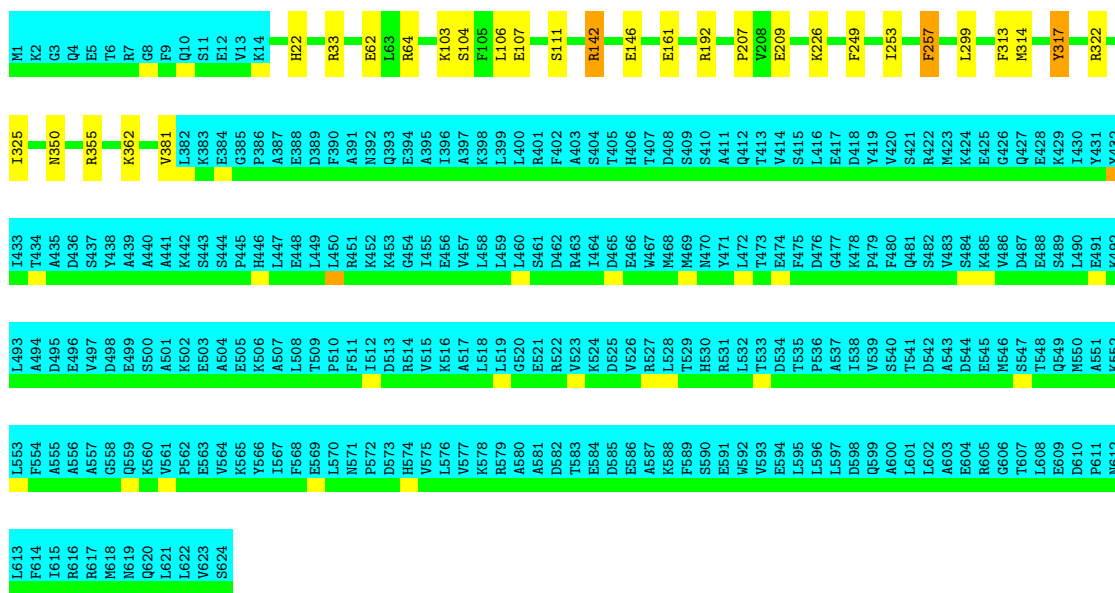


• Molecule 2: Nuclease A



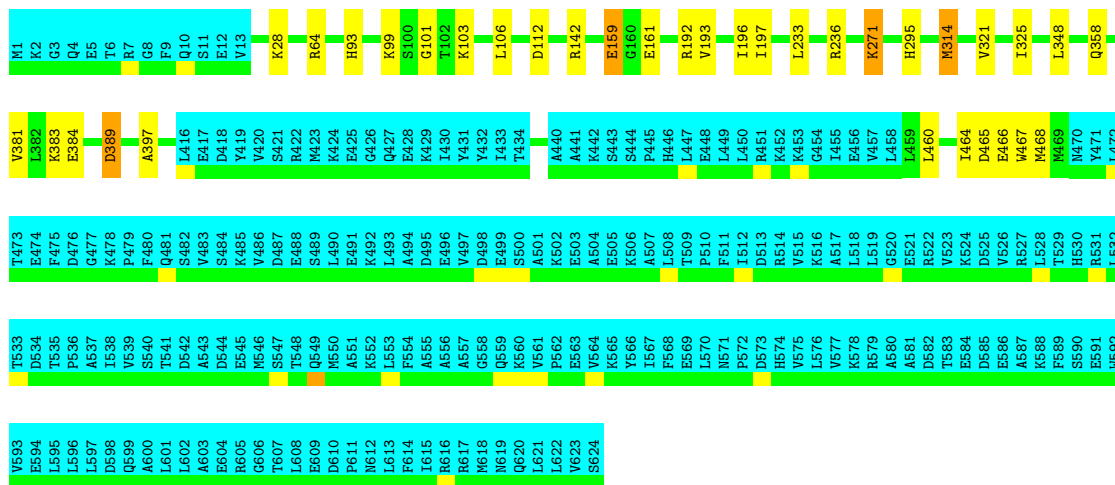
4.2.2 Score per residue for model 2

• Molecule 1: Chaperone protein HtpG

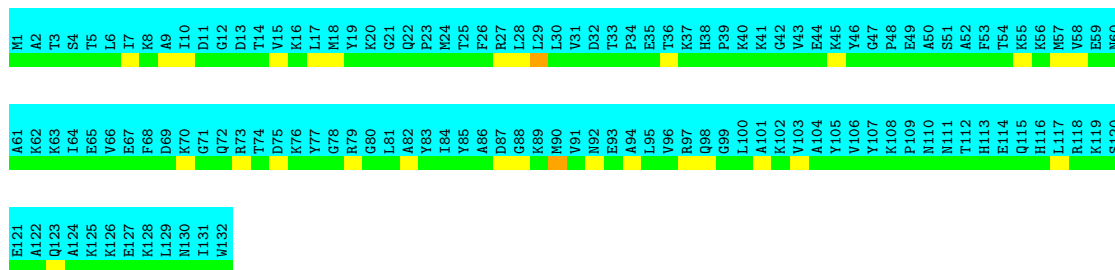


• Molecule 1: Chaperone protein HtpG



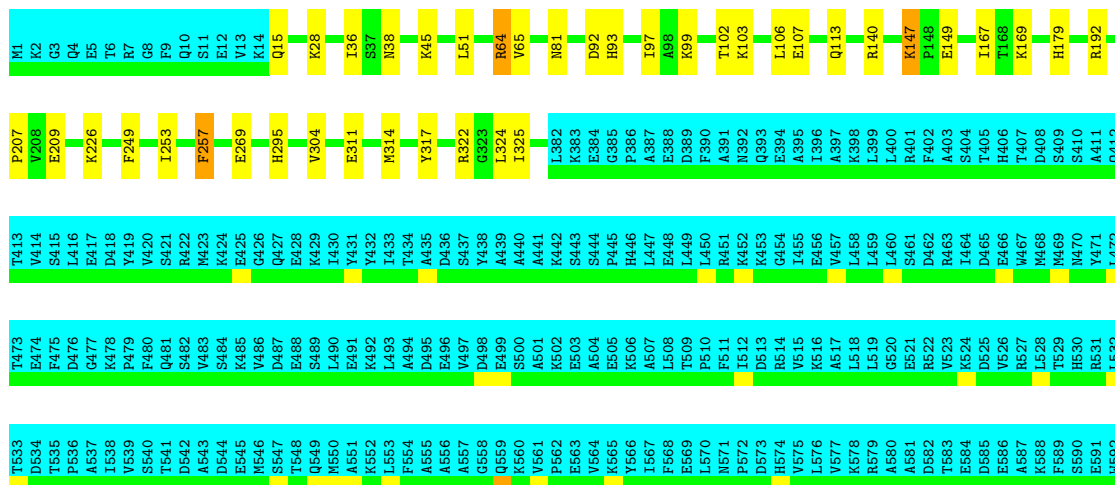


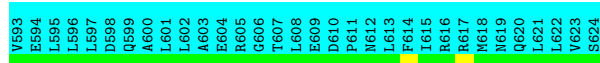
• Molecule 2: Nuclease A



4.2.3 Score per residue for model 3

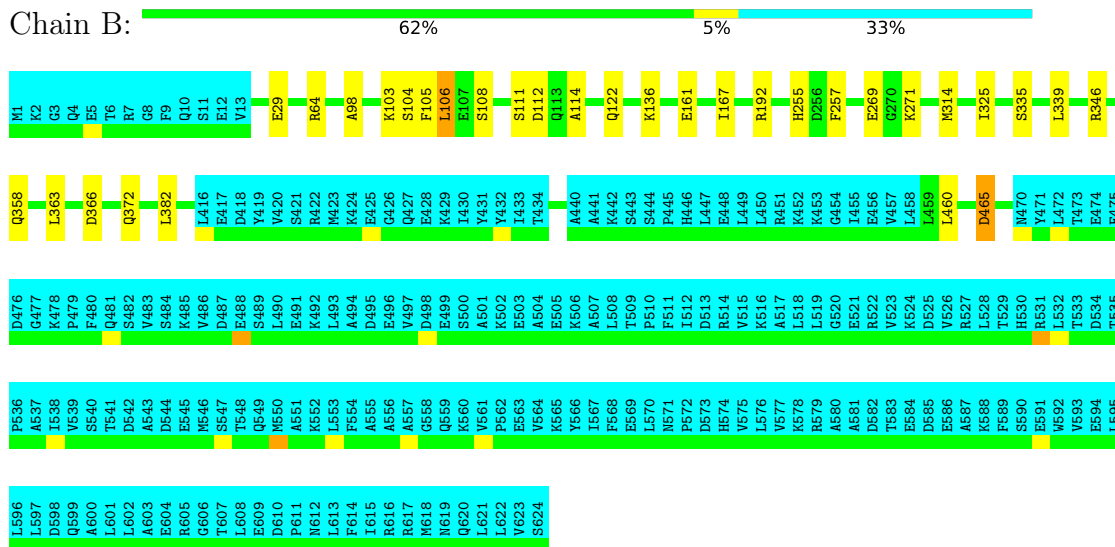
• Molecule 1: Chaperone protein HtpG





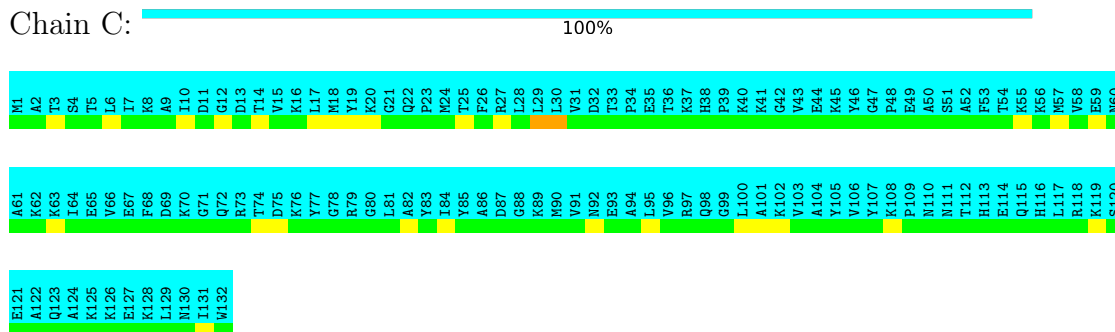
- Molecule 1: Chaperone protein HtpG

Chain B:



- Molecule 2: Nuclease A

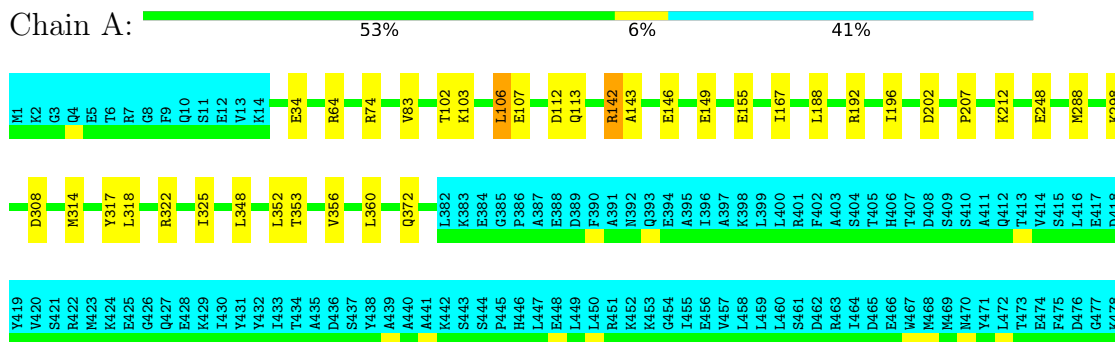
Chain C:

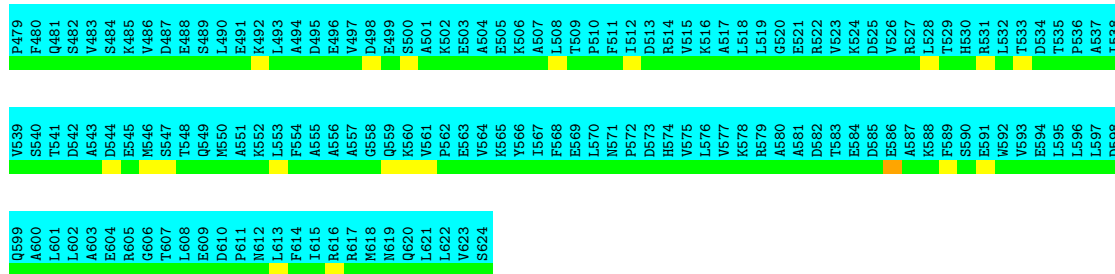


4.2.4 Score per residue for model 4

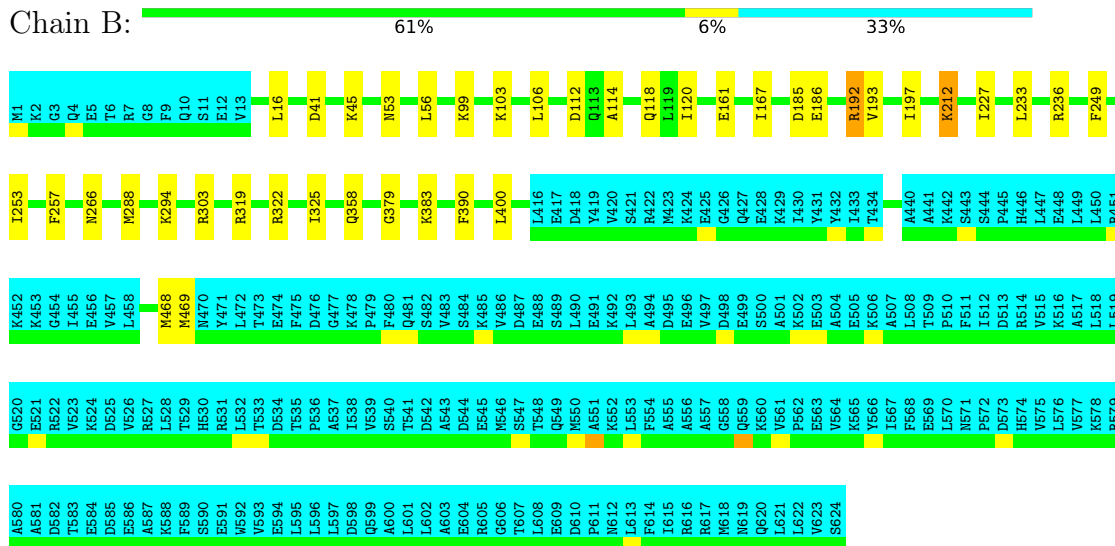
- Molecule 1: Chaperone protein HtpG

Chain A:

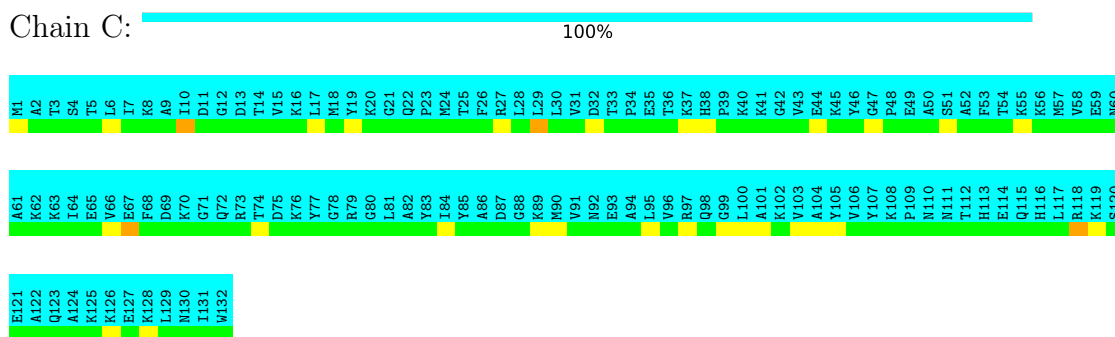




• Molecule 1: Chaperone protein HtpG

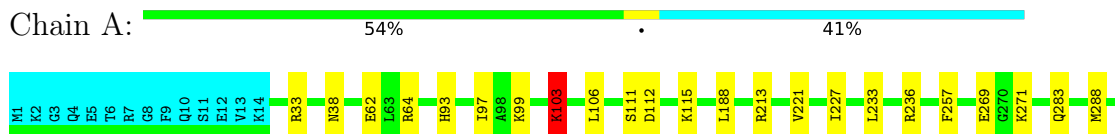


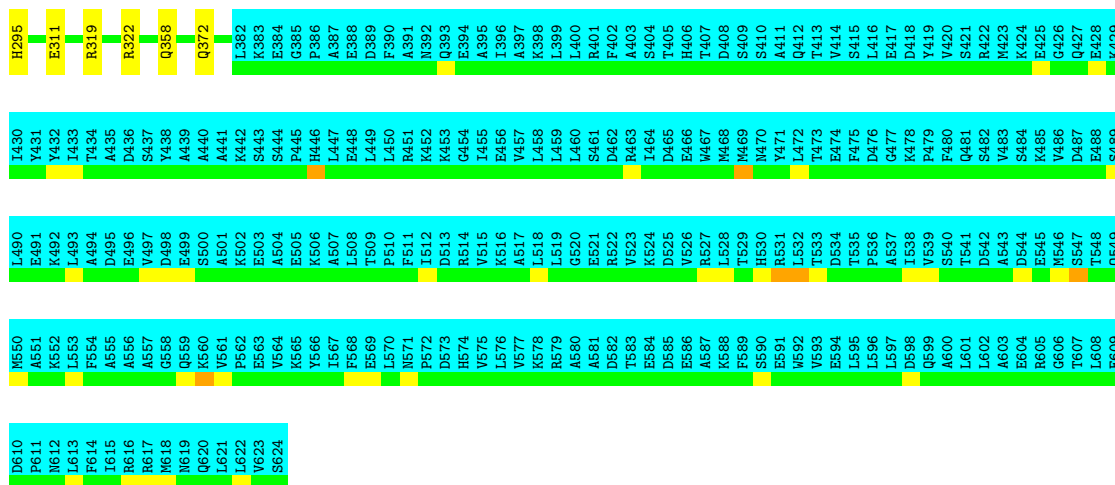
• Molecule 2: Nuclease A



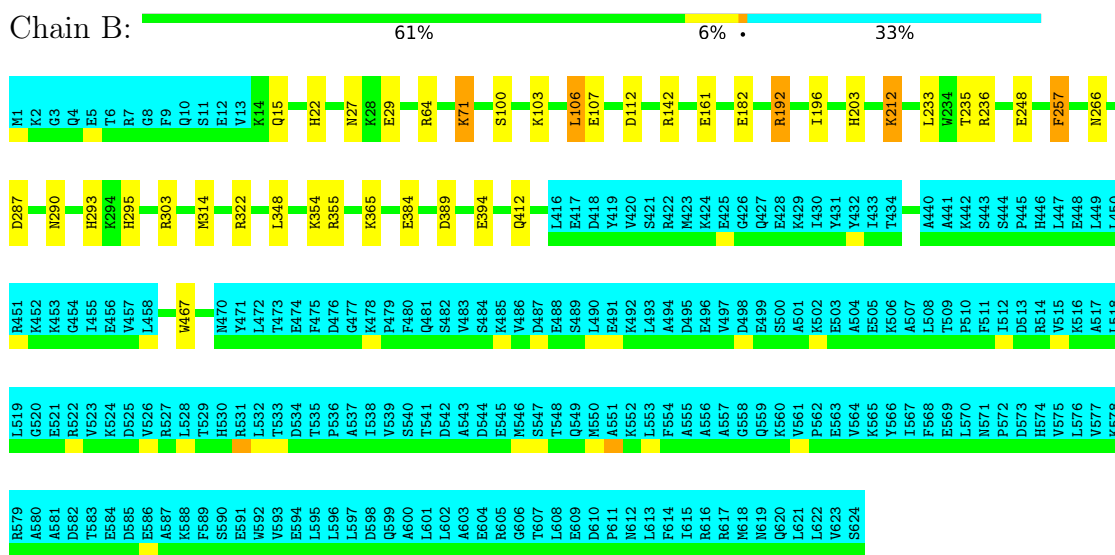
4.2.5 Score per residue for model 5 (medoid)

• Molecule 1: Chaperone protein HtpG

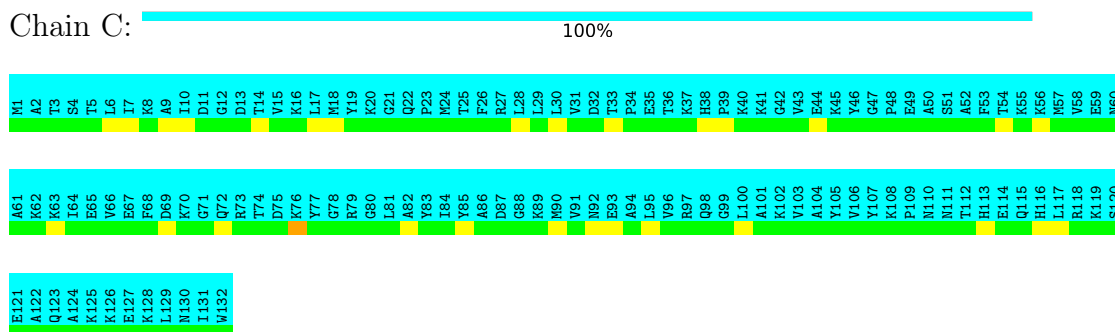




- Molecule 1: Chaperone protein HtpG



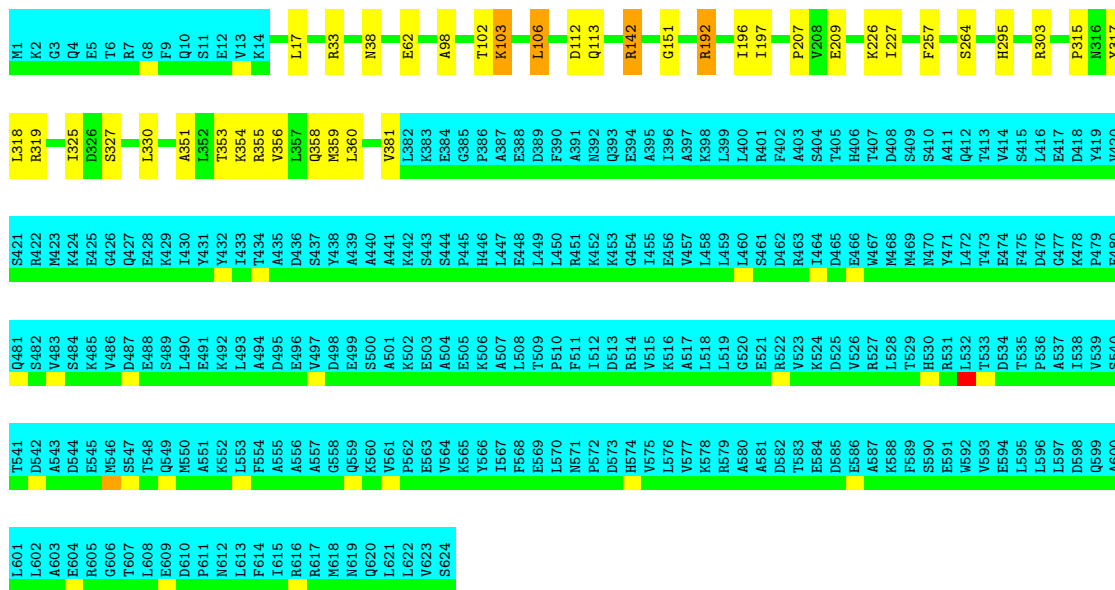
- Molecule 2: Nuclease A



4.2.6 Score per residue for model 6

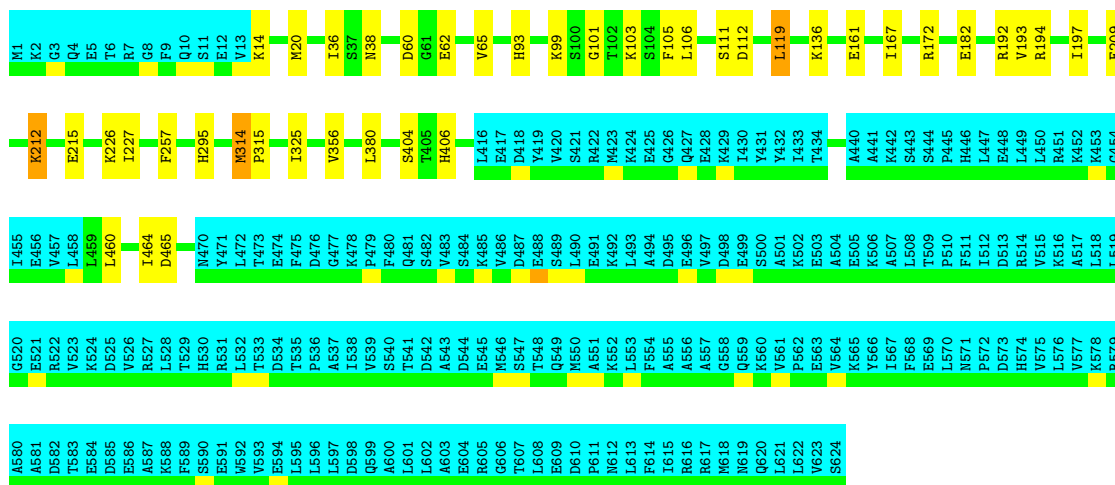
- Molecule 1: Chaperone protein HtpG

Chain A:



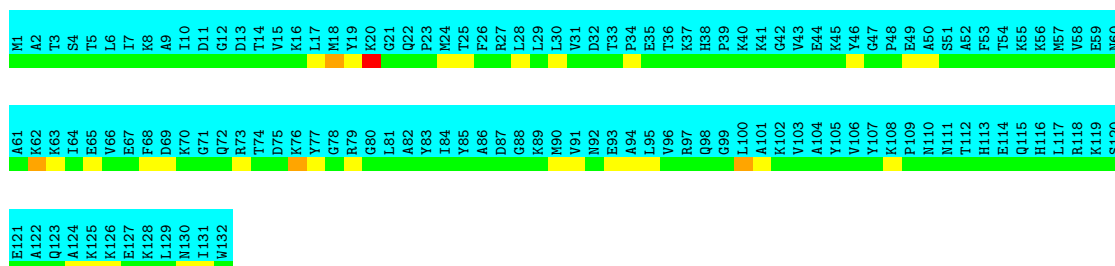
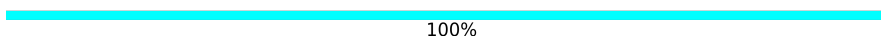
• Molecule 1: Chaperone protein HtpG

Chain B:



• Molecule 2: Nuclease A

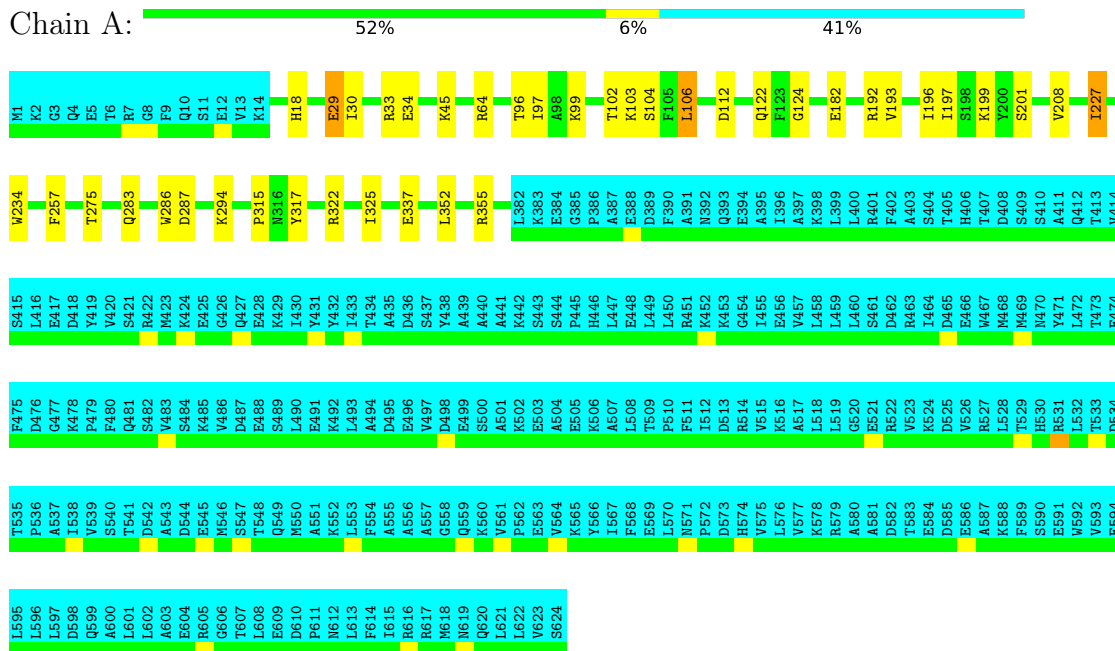
Chain C:



4.2.7 Score per residue for model 7

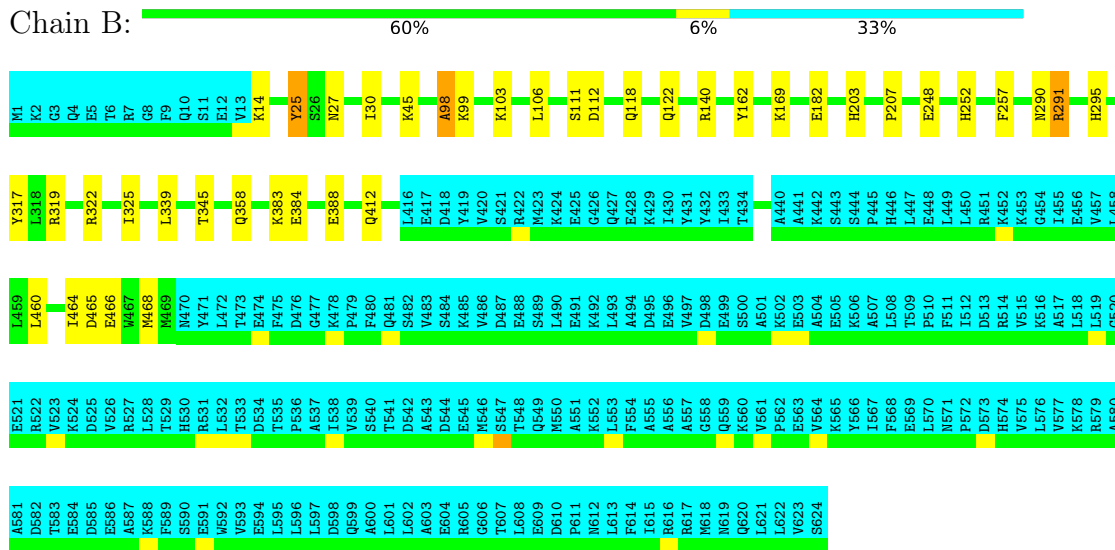
• Molecule 1: Chaperone protein HtpG

Chain A:



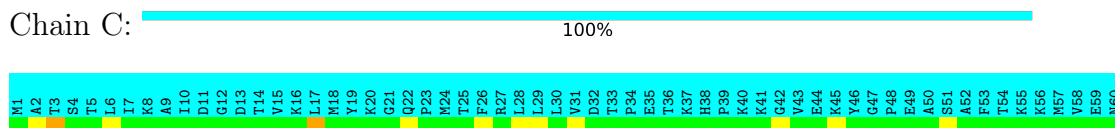
• Molecule 1: Chaperone protein HtpG

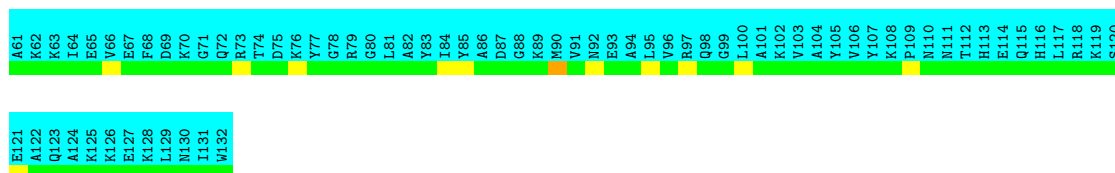
Chain B:



• Molecule 2: Nuclease A

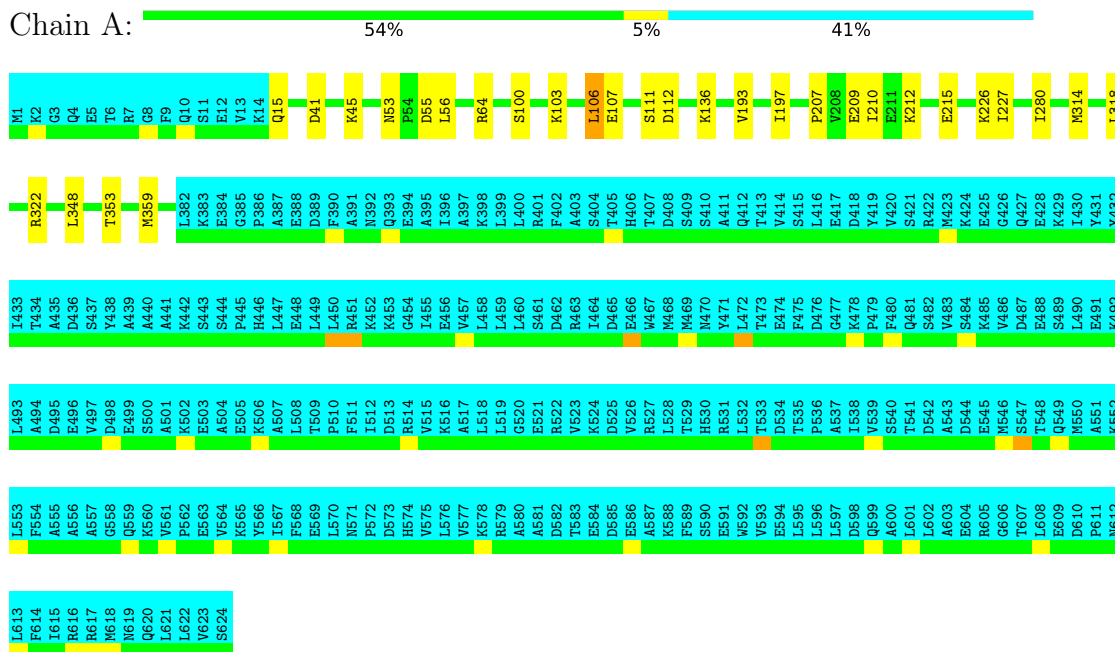
Chain C:



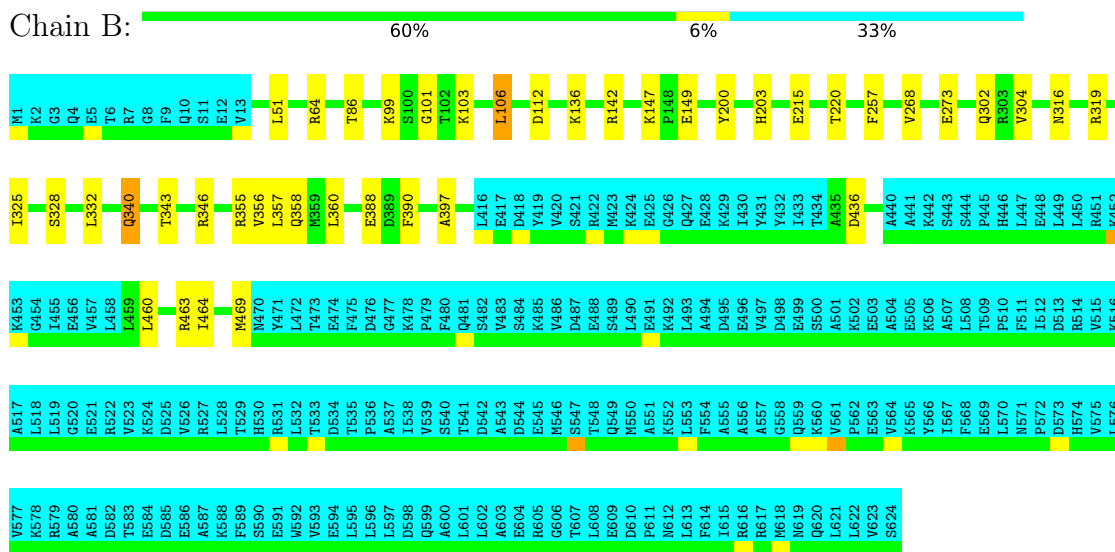


4.2.8 Score per residue for model 8

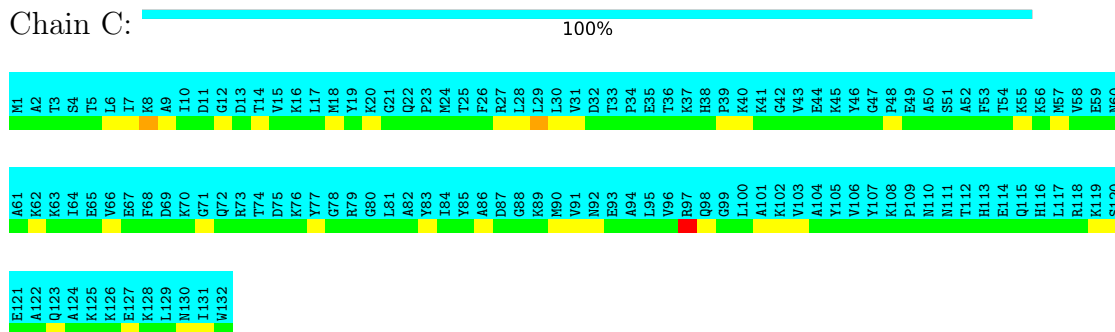
- Molecule 1: Chaperone protein HtpG



- Molecule 1: Chaperone protein HtpG

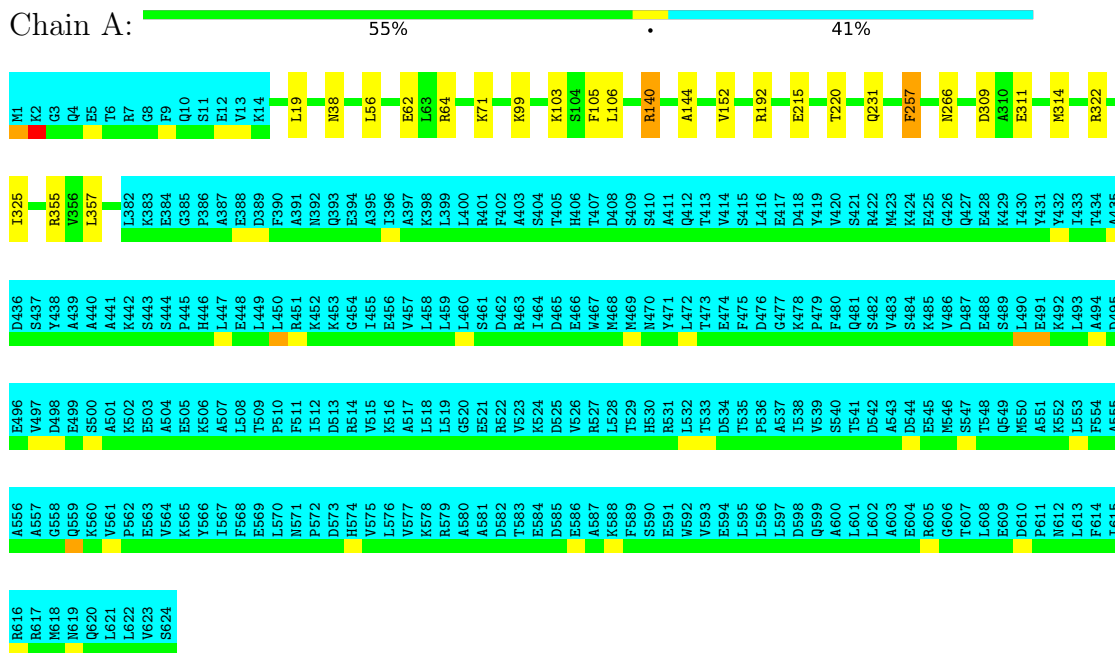


- Molecule 2: Nuclease A

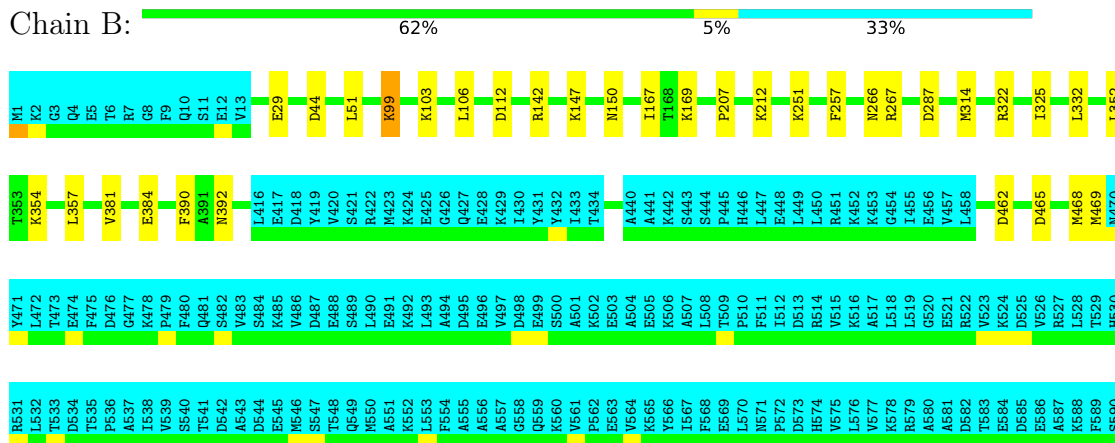


4.2.9 Score per residue for model 9

- Molecule 1: Chaperone protein HtpG



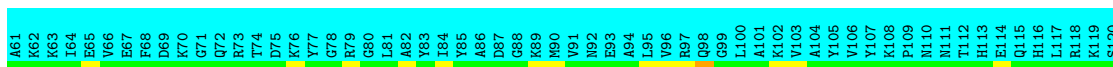
- Molecule 1: Chaperone protein HtpG





- Molecule 2: Nuclease A

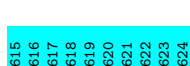
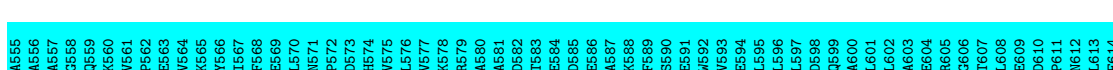
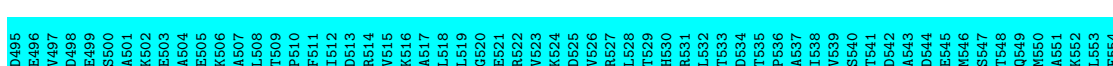
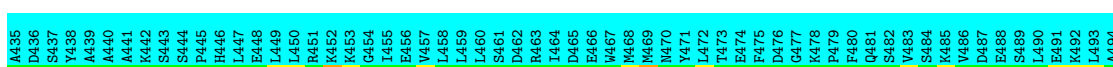
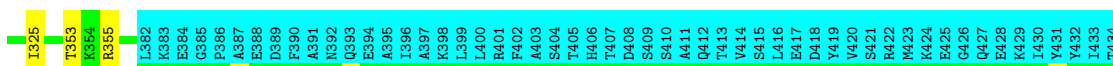
Chain C: 100%



4.2.10 Score per residue for model 10

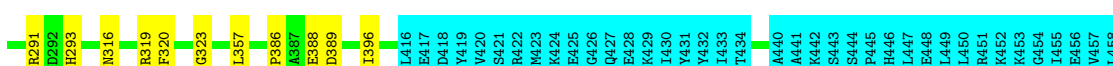
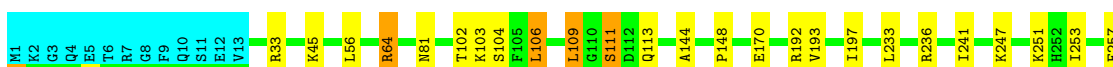
- Molecule 1: Chaperone protein HtpG

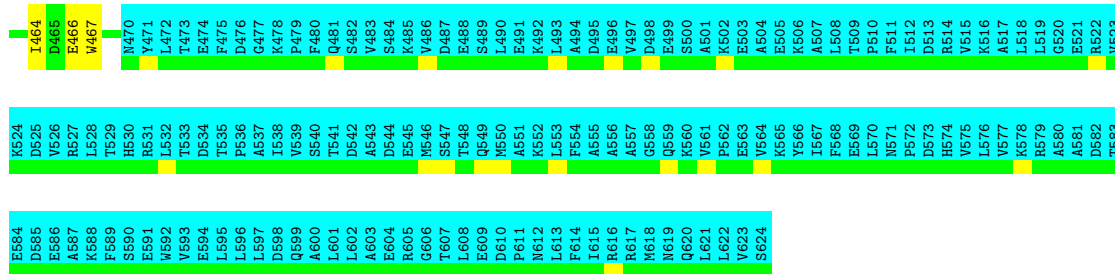
Chain A: 54% • 41%



- Molecule 1: Chaperone protein HtpG

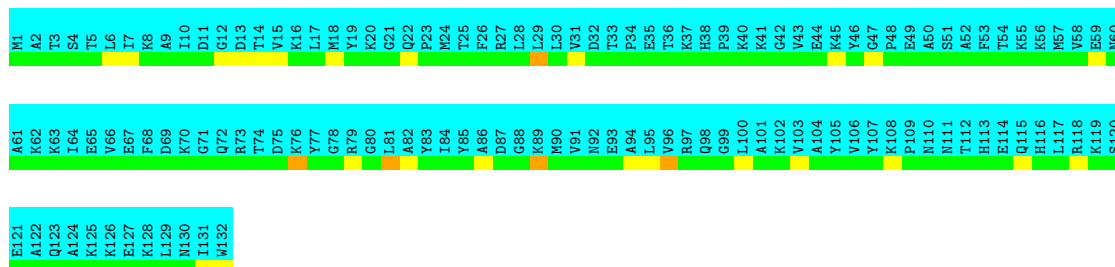
Chain B: 61% • 6% • 33%





• Molecule 2: Nuclease A

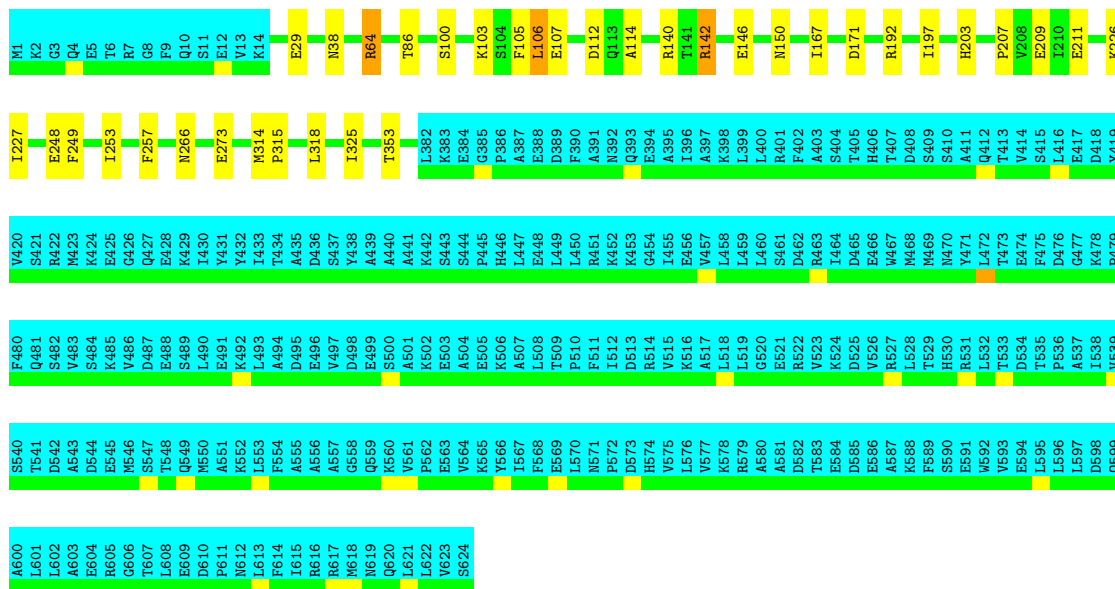
Chain C: 100%



4.2.11 Score per residue for model 11

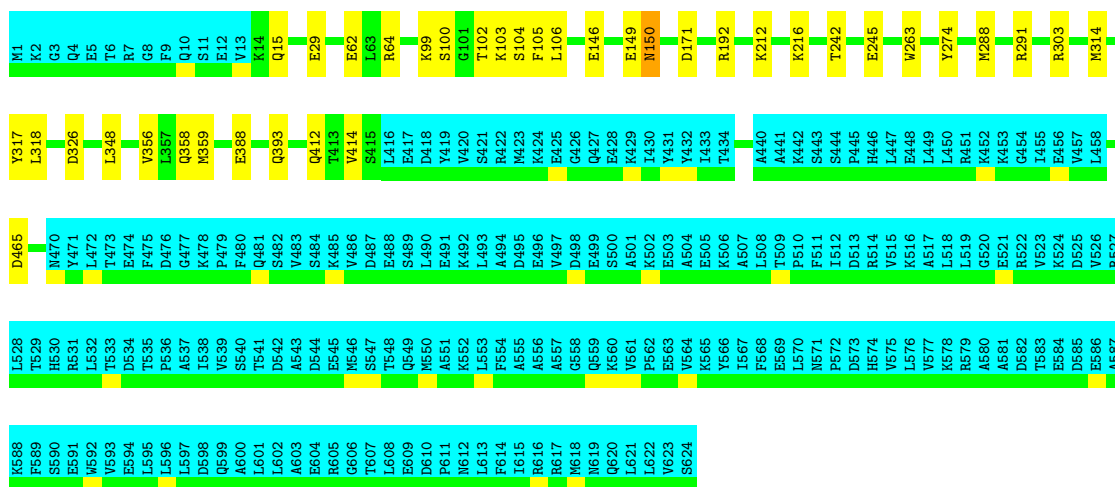
• Molecule 1: Chaperone protein HtpG

Chain A: 53% 5% 41%



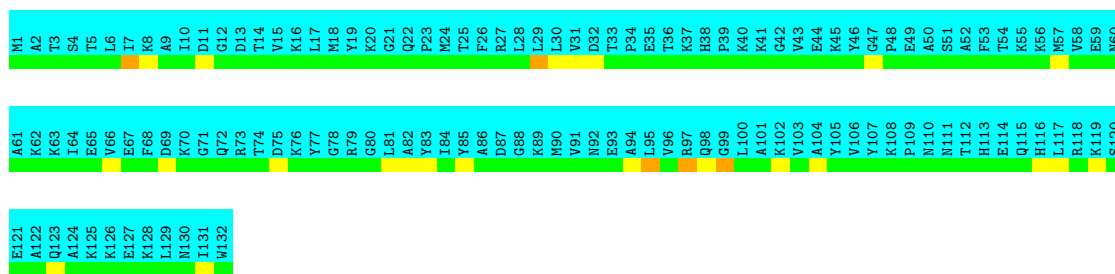
• Molecule 1: Chaperone protein HtpG

Chain B: 61% 6% 33%



• Molecule 2: Nuclease A

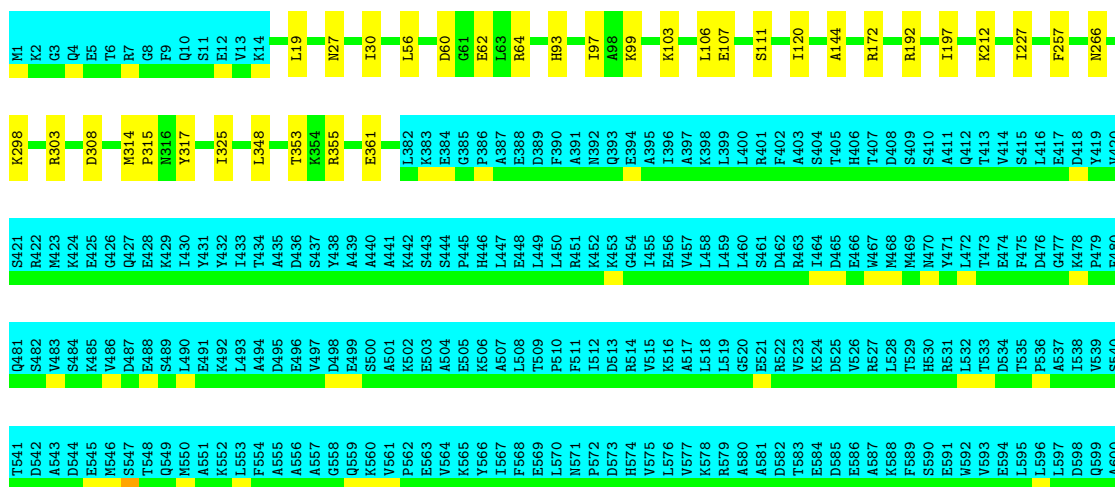
Chain C: 100%



4.2.12 Score per residue for model 12

• Molecule 1: Chaperone protein HtpG

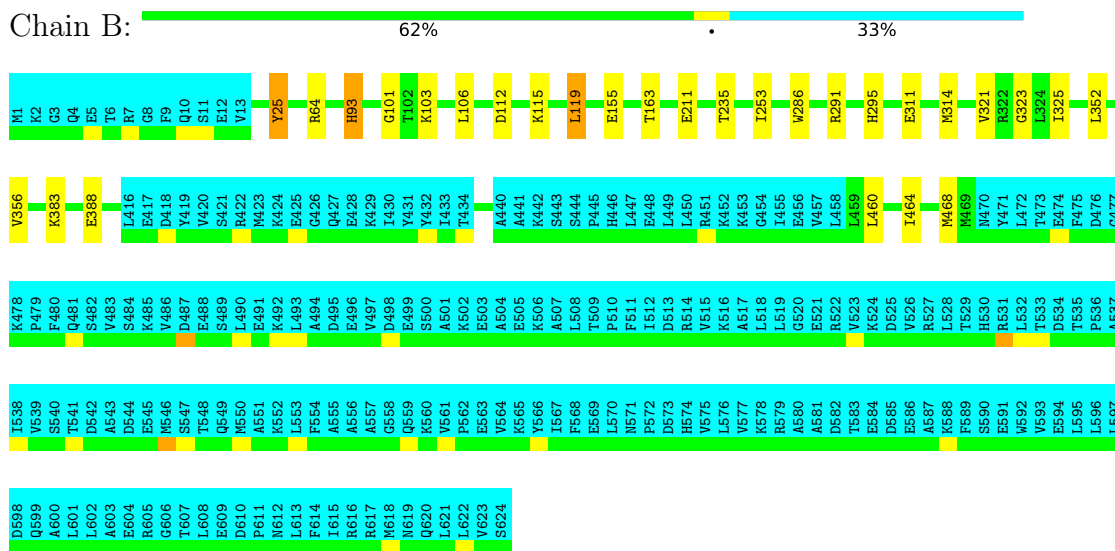
Chain A: 53% 5% 41%





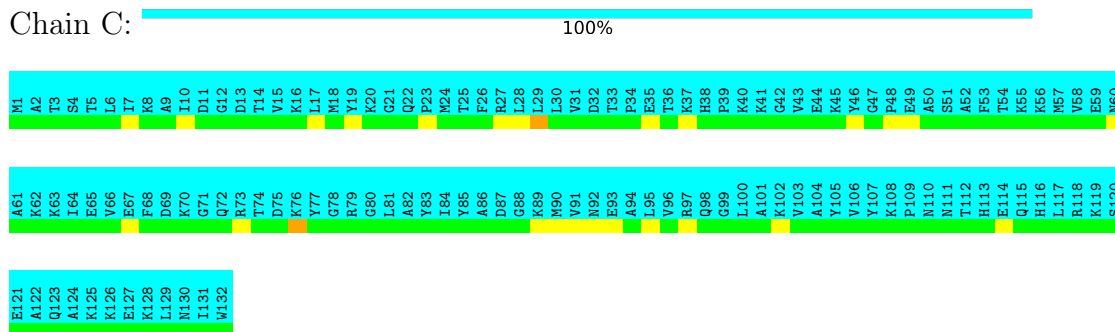
- Molecule 1: Chaperone protein HtpG

Chain B:



- Molecule 2: Nuclease A

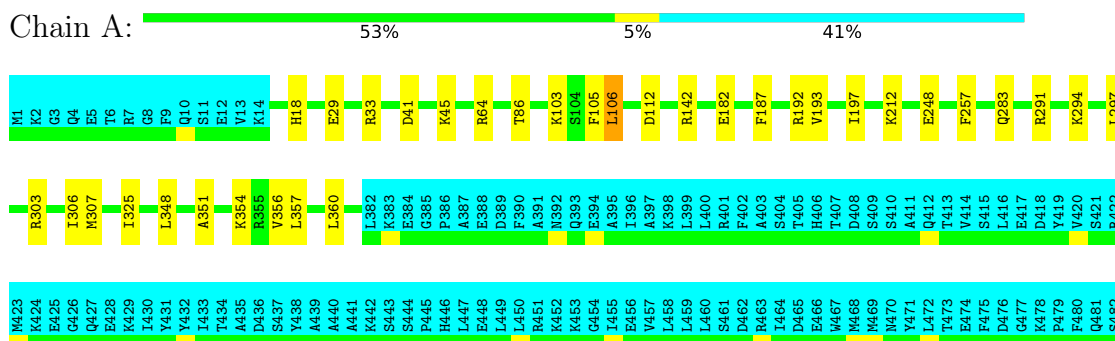
Chain C:

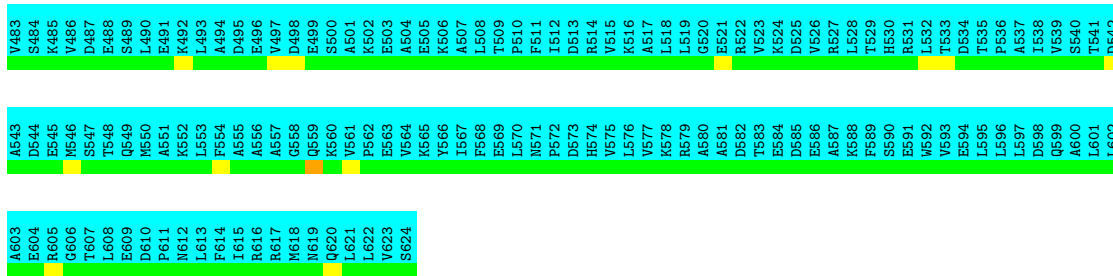


4.2.13 Score per residue for model 13

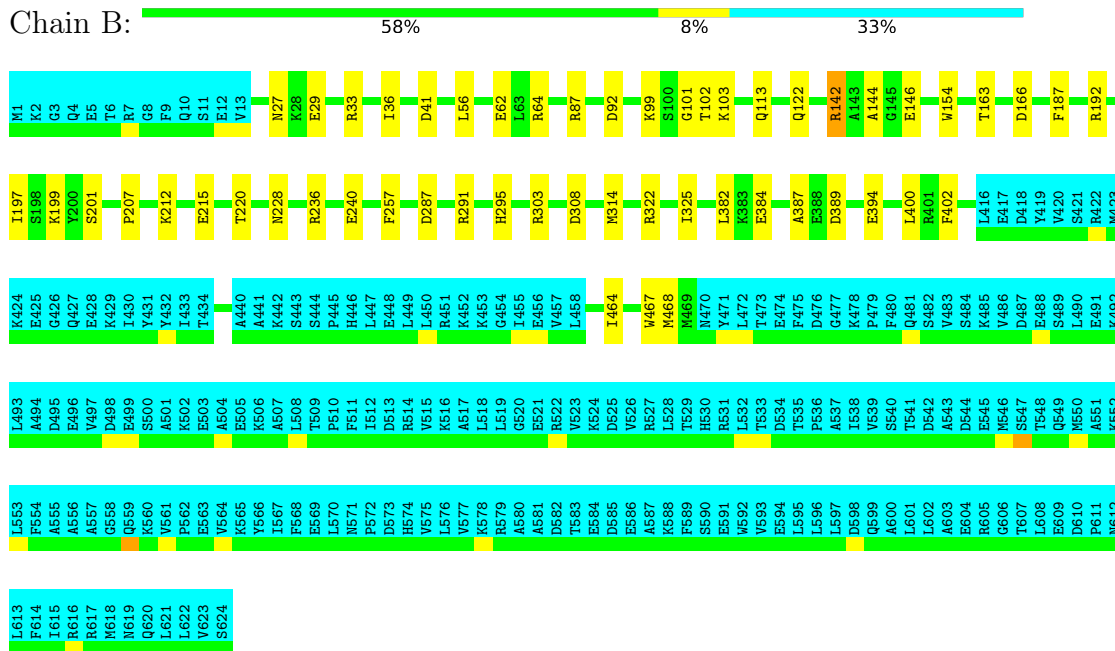
- Molecule 1: Chaperone protein HtpG

Chain A:





• Molecule 1: Chaperone protein HtpG



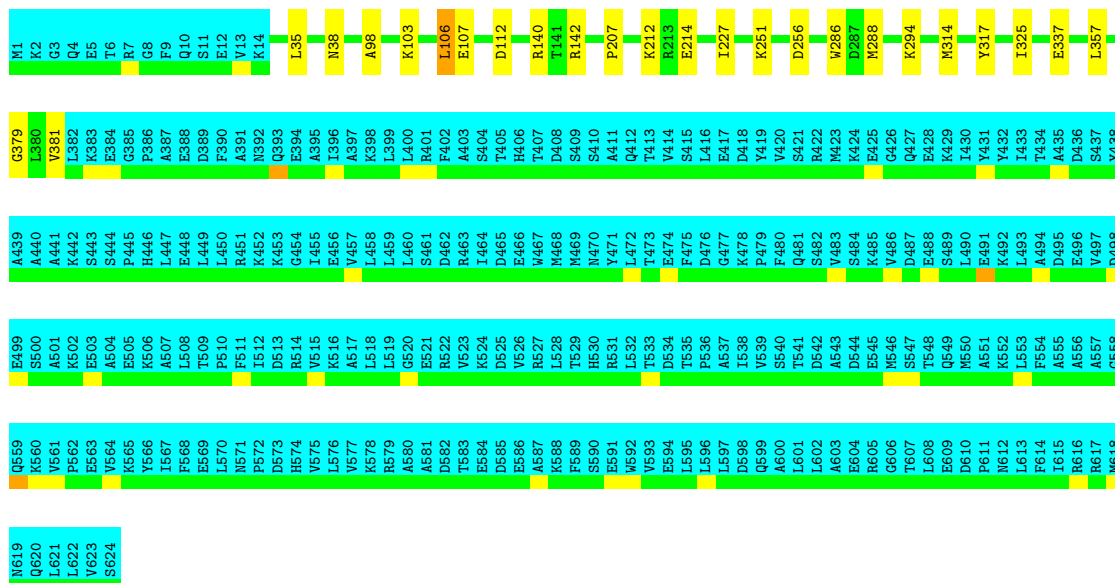
• Molecule 2: Nuclease A



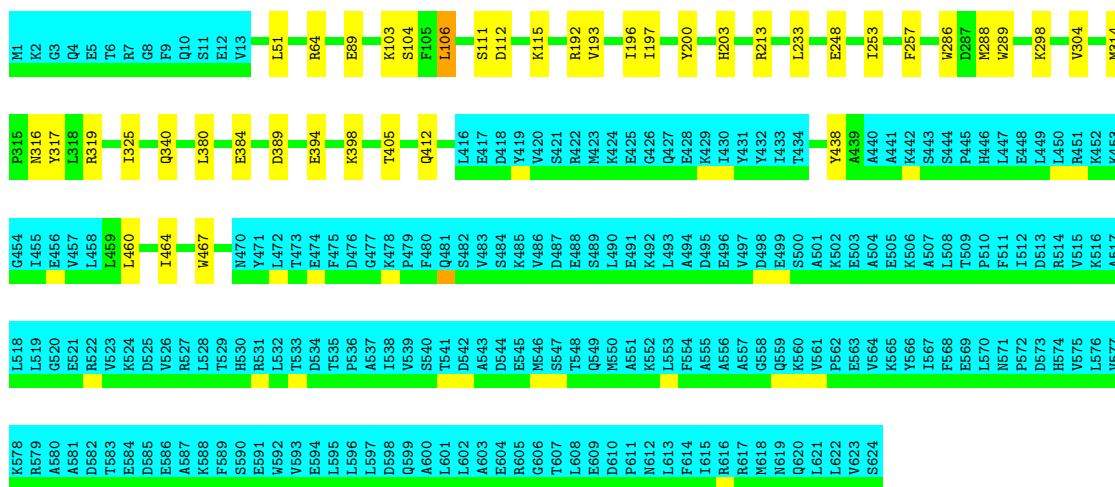
4.2.14 Score per residue for model 14

• Molecule 1: Chaperone protein HtpG

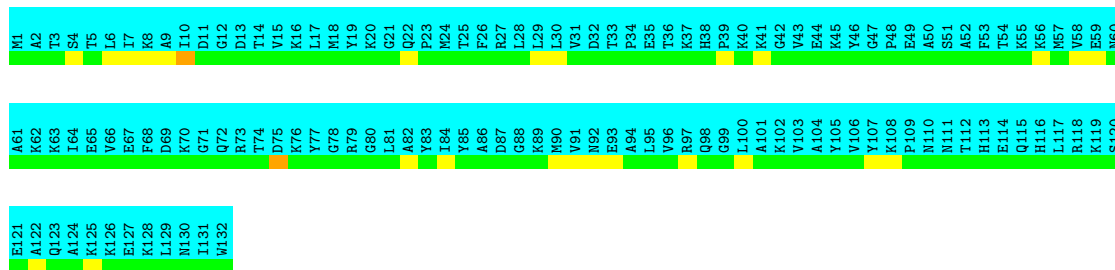




● Molecule 1: Chaperone protein HtpG



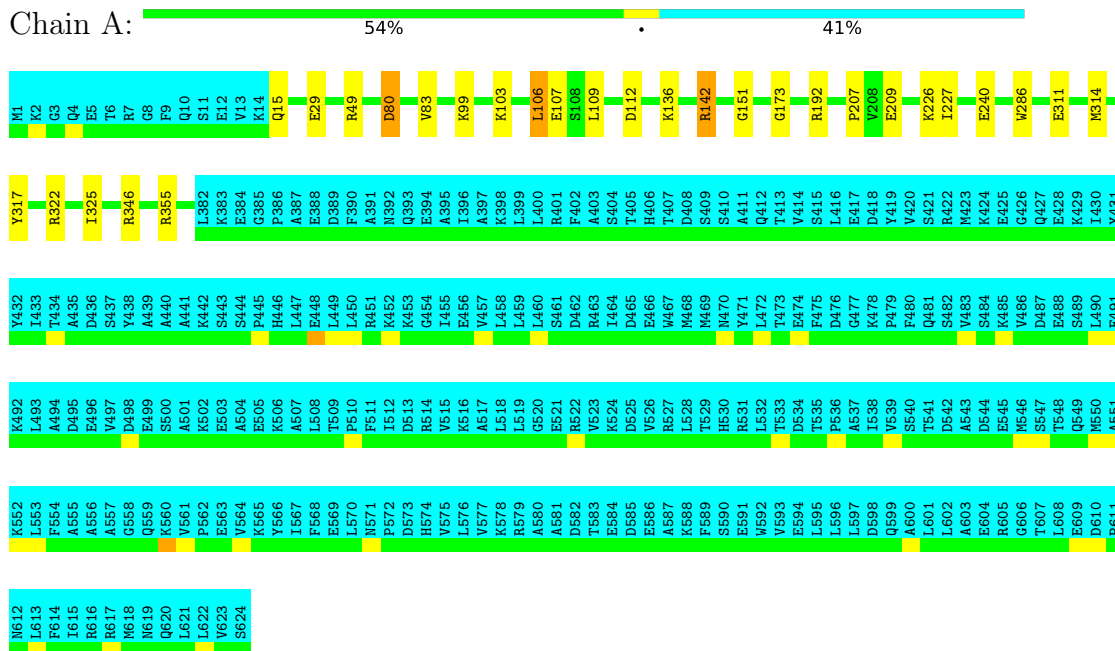
● Molecule 2: Nuclease A



4.2.15 Score per residue for model 15

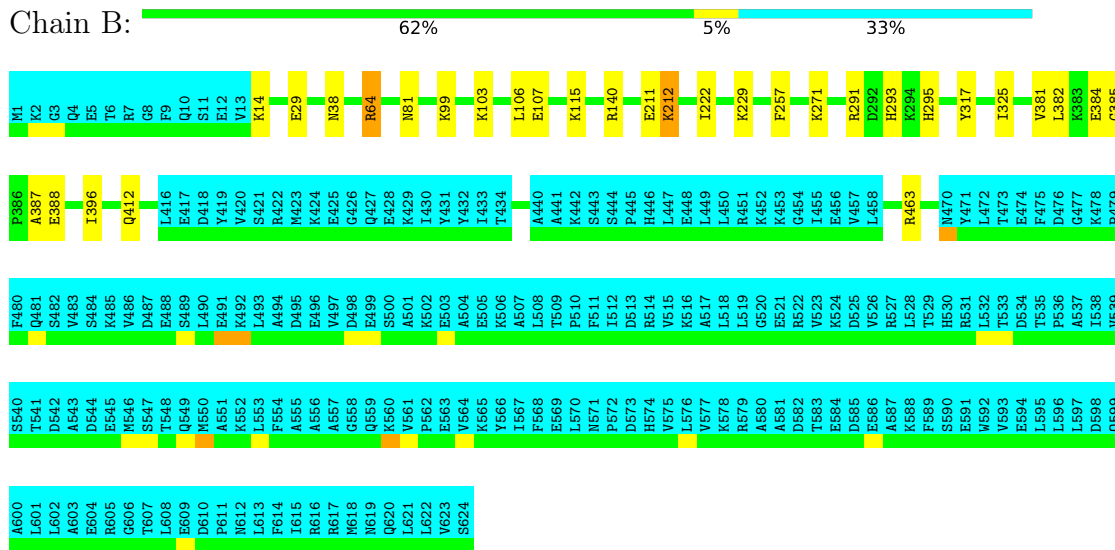
● Molecule 1: Chaperone protein HtpG

Chain A:



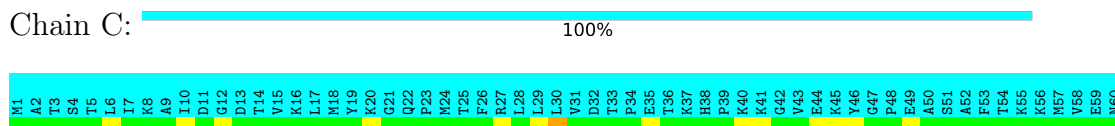
● Molecule 1: Chaperone protein HtpG

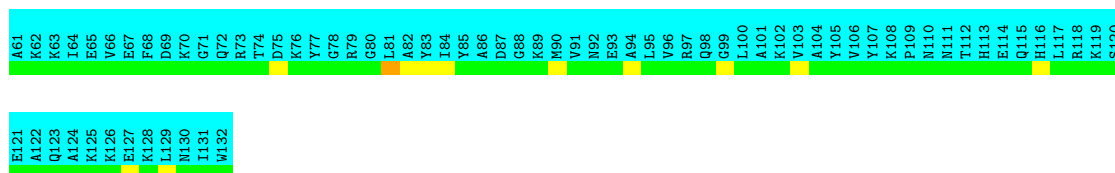
Chain B:



● Molecule 2: Nuclease A

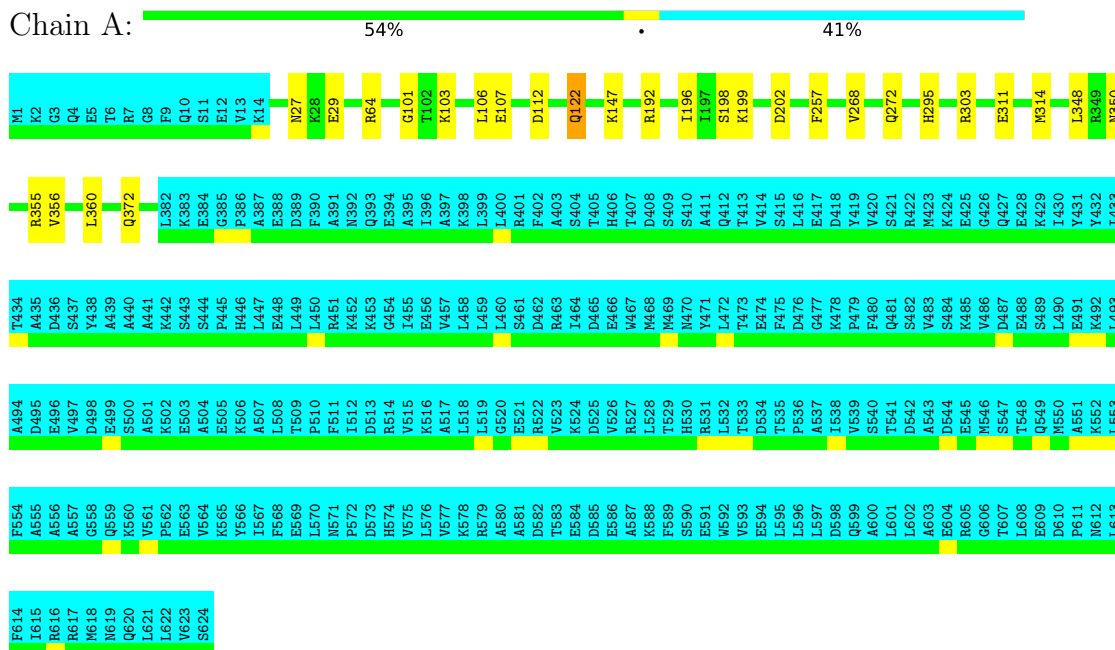
Chain C:



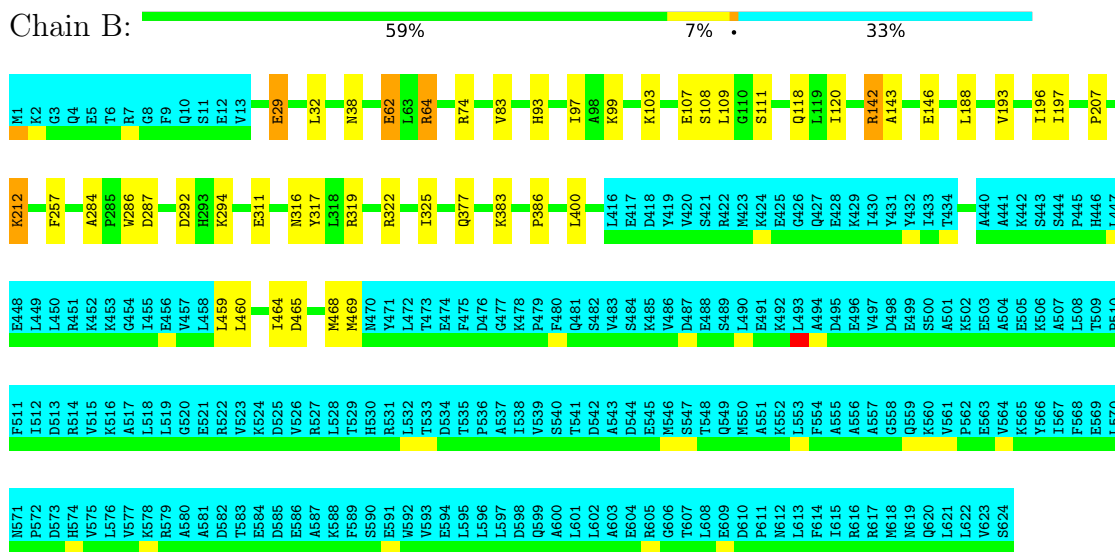


4.2.16 Score per residue for model 16

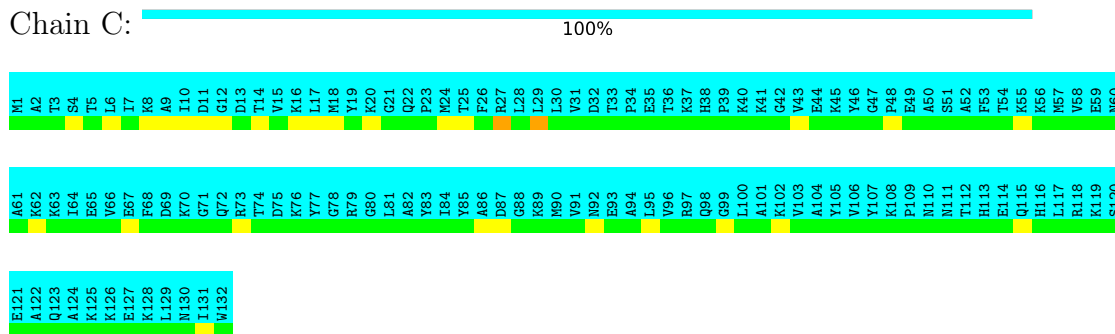
- Molecule 1: Chaperone protein HtpG



- Molecule 1: Chaperone protein HtpG

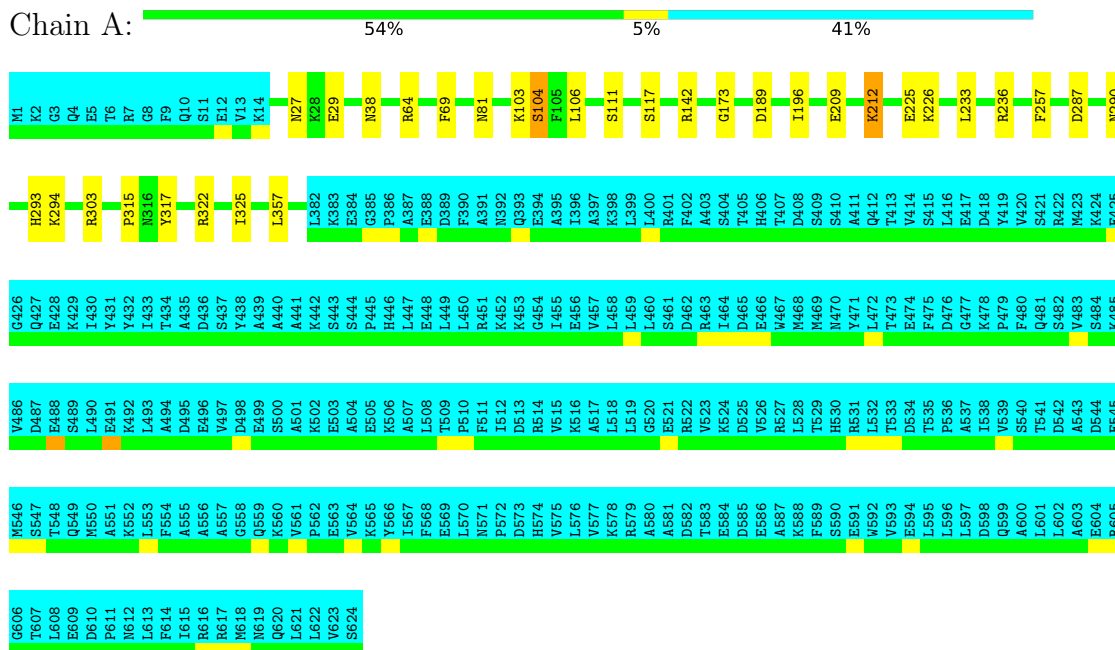


- Molecule 2: Nuclease A

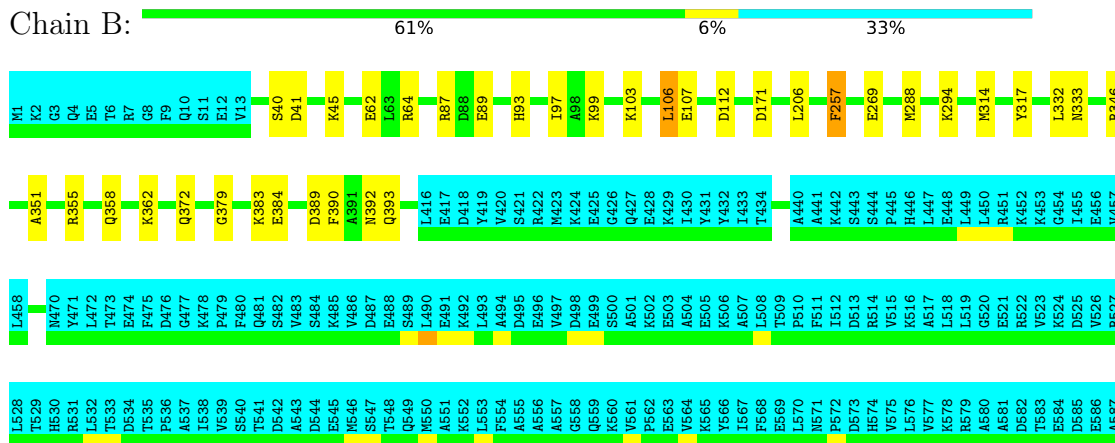


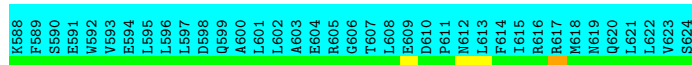
4.2.17 Score per residue for model 17

- Molecule 1: Chaperone protein HtpG



- Molecule 1: Chaperone protein HtpG





- Molecule 2: Nuclease A

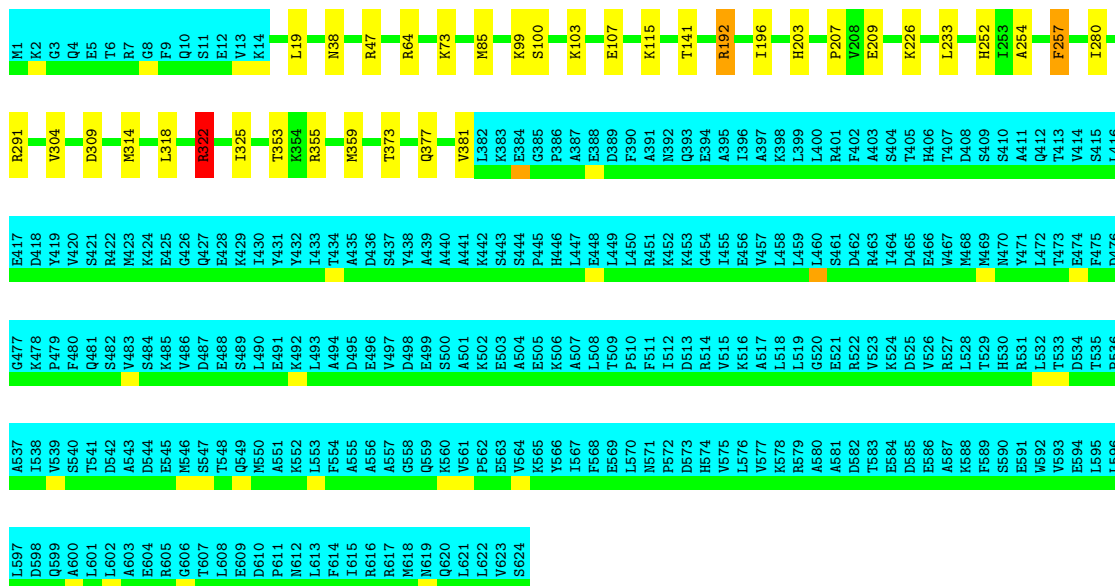
Chain C: 100%



4.2.18 Score per residue for model 18

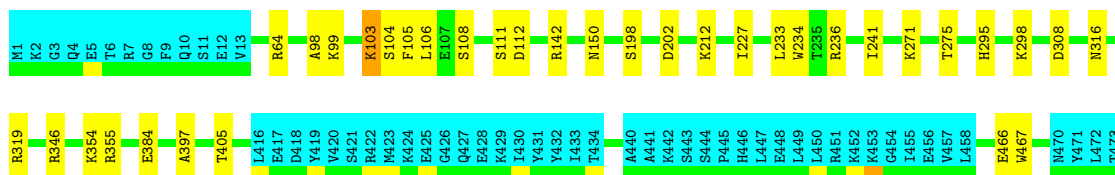
- Molecule 1: Chaperone protein HtpG

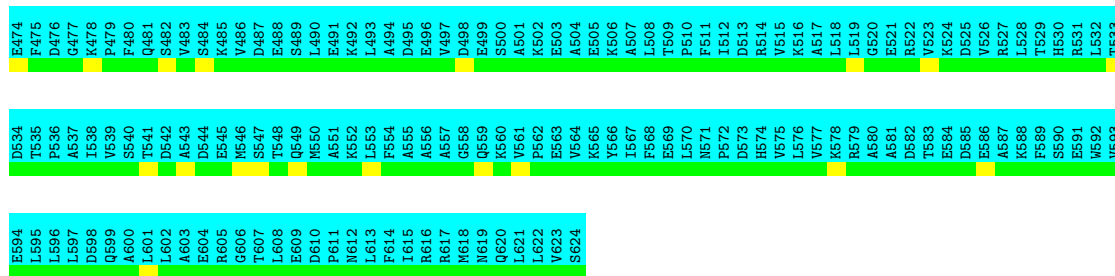
Chain A: 53% 5% 41%



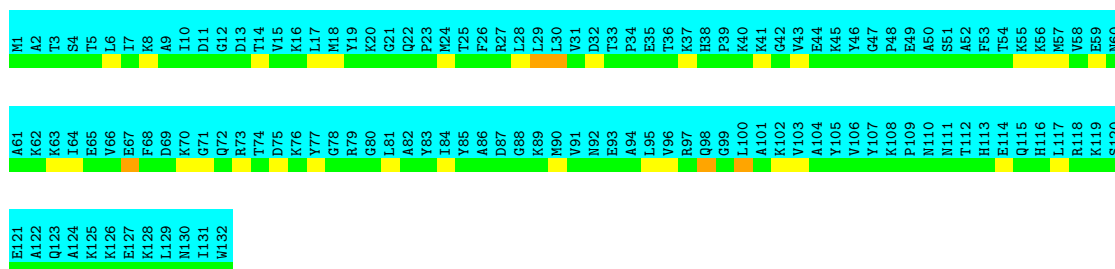
- Molecule 1: Chaperone protein HtpG

Chain B: 61% 5% 33%





• Molecule 2: Nuclease A



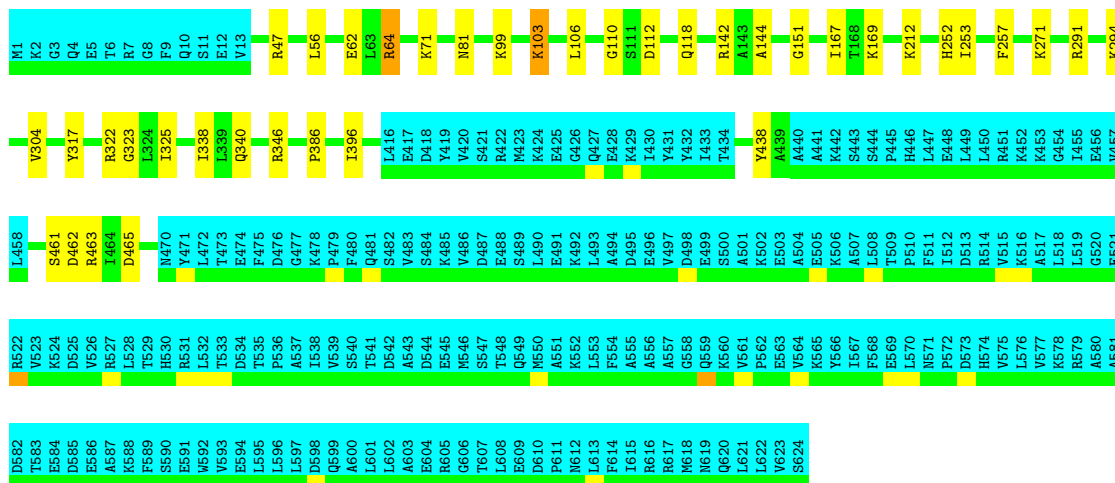
4.2.19 Score per residue for model 19

• Molecule 1: Chaperone protein HtpG

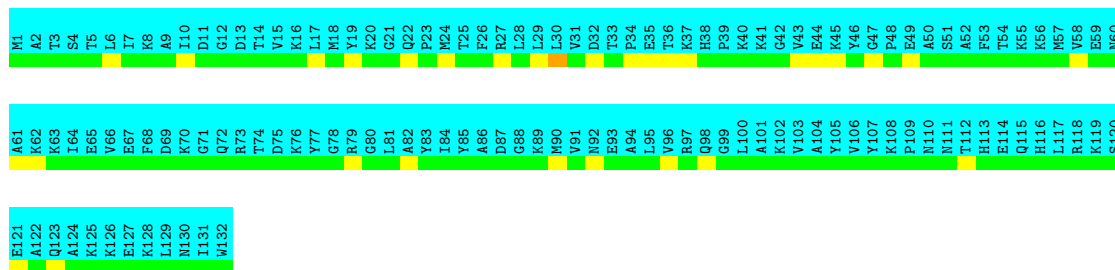


• Molecule 1: Chaperone protein HtpG



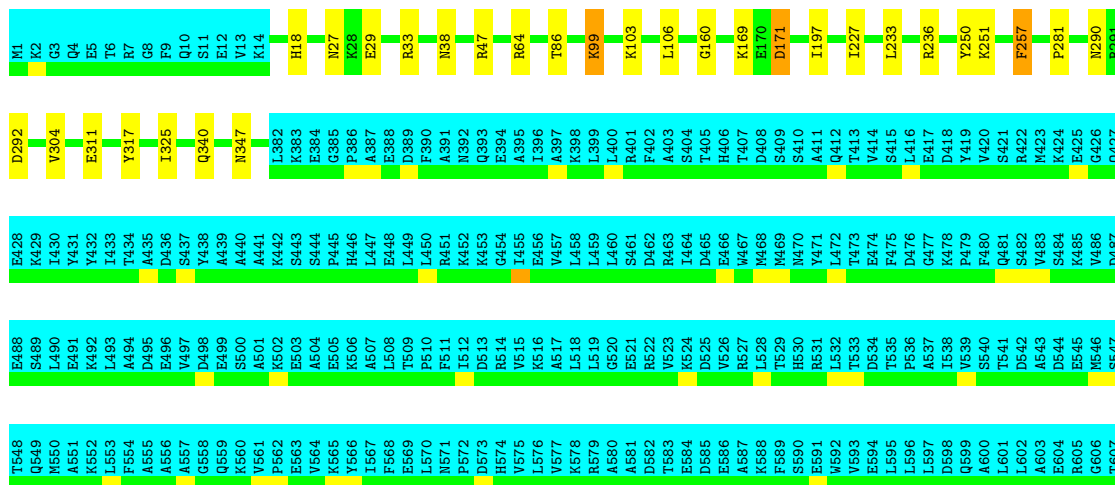


• Molecule 2: Nuclease A



4.2.20 Score per residue for model 20

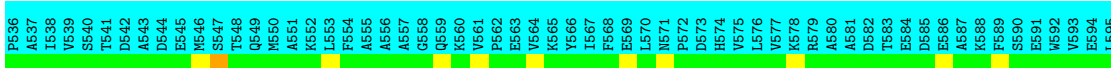
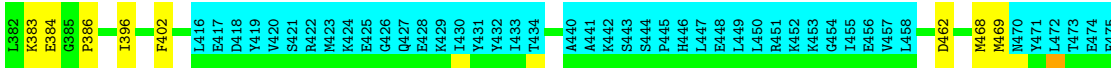
• Molecule 1: Chaperone protein HtpG





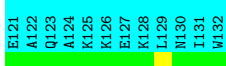
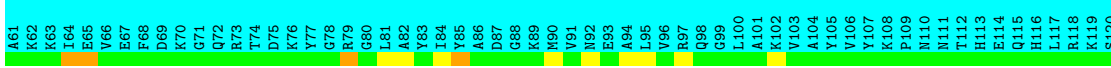
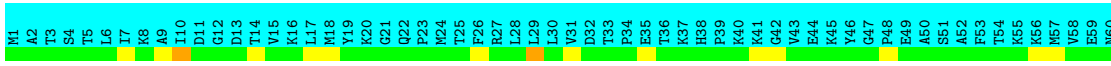
- Molecule 1: Chaperone protein HtpG

Chain B: 62% 5% 33%



- Molecule 2: Nuclease A

Chain C: 100%



5 Refinement protocol and experimental data overview

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

Of the 100 calculated structures, 20 were deposited, based on the following criterion: *structures with the lowest energy*.

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

Software name	Classification	Version
CYANA	structure calculation	
CNS	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	1687
Number of shifts mapped to atoms	1687
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Assignment completeness (well-defined parts)	11%

6 Model quality [i](#)

6.1 Standard geometry [i](#)

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

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	#Z>5	RMSZ	#Z>5
1	A	0.85±0.01	0±0/3057 (0.0± 0.0%)	0.63±0.01	0±0/4128 (0.0± 0.0%)
1	B	0.85±0.01	0±0/3460 (0.0± 0.0%)	0.63±0.01	0±0/4673 (0.0± 0.0%)
All	All	0.85	0/130340 (0.0%)	0.63	1/176020 (0.0%)

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

Mol	Chain	Chirality	Planarity
1	A	0.0±0.0	0.1±0.2
All	All	0	1

There are no bond-length outliers.

All unique angle outliers are listed below.

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)	Models	
								Worst	Total
1	A	322	ARG	NE-CZ-NH2	-5.04	117.78	120.30	18	1

There are no chirality outliers.

All unique planar outliers are listed below.

Mol	Chain	Res	Type	Group	Models (Total)
1	A	293	HIS	Peptide	1

6.2 Too-close contacts [i](#)

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

averaged over the ensemble.

Mol	Chain	Non-H	H(model)	H(added)	Clashes
1	A	2995	2936	2926	8±3
1	B	3391	3317	3306	11±4
2	C	0	0	0	0±0
All	All	127720	125060	124640	375

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 1.

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

Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:318:LEU:HD11	1:A:353:THR:HG23	0.63	1.69	11	6
1:B:106:LEU:HD22	1:B:112:ASP:HB3	0.63	1.70	1	12
1:B:314:MET:SD	1:B:321:VAL:HB	0.63	2.33	12	2
1:B:460:LEU:HD23	1:B:465:ASP:HB3	0.62	1.72	16	4
1:B:460:LEU:HD21	1:B:469:MET:SD	0.61	2.35	16	1
1:B:93:HIS:HA	1:B:119:LEU:HG	0.61	1.70	6	2
1:B:142:ARG:HH12	1:B:146:GLU:HB3	0.61	1.56	13	1
1:B:142:ARG:HB2	1:B:142:ARG:HH11	0.60	1.56	19	1
1:B:386:PRO:HG3	1:B:400:LEU:HD11	0.60	1.72	1	2
1:B:142:ARG:HB2	1:B:142:ARG:NH1	0.60	2.11	19	1
1:A:106:LEU:HD22	1:A:112:ASP:HB3	0.58	1.74	8	11
1:B:288:MET:SD	1:B:319:ARG:HG3	0.58	2.38	14	1
1:B:118:GLN:HA	1:B:294:LYS:HZ2	0.57	1.57	16	1
1:B:209:GLU:HG2	1:B:226:LYS:HG2	0.56	1.76	6	1
1:B:142:ARG:NH1	1:B:169:LYS:HB3	0.56	2.16	19	1
1:B:383:LYS:HB3	1:B:468:MET:SD	0.56	2.40	7	2
1:A:287:ASP:HA	1:A:290:ASN:ND2	0.55	2.17	17	1
1:B:386:PRO:HD3	1:B:396:ILE:HG21	0.55	1.78	19	3
1:B:33:ARG:HH22	1:B:257:PHE:HB3	0.55	1.61	13	1
1:A:33:ARG:HH11	1:A:251:LYS:HB3	0.55	1.62	20	1
1:A:142:ARG:HA	1:A:142:ARG:HE	0.54	1.62	2	1
1:B:64:ARG:HH11	1:B:81:ASN:ND2	0.54	1.99	10	1
1:B:142:ARG:NH1	1:B:146:GLU:HB3	0.54	2.16	13	1
1:B:273:GLU:HG3	1:B:328:SER:HB2	0.53	1.81	8	1
1:A:280:ILE:HG12	1:A:359:MET:SD	0.52	2.45	8	2
1:A:30:ILE:HG13	1:A:33:ARG:HD3	0.51	1.80	7	1
1:B:317:TYR:HB3	1:B:384:GLU:HB3	0.51	1.83	7	1
1:B:103:LYS:HG3	1:B:104:SER:H	0.51	1.65	18	1
1:B:215:GLU:HG2	1:B:220:THR:HG23	0.50	1.83	8	2
1:A:209:GLU:HG2	1:A:226:LYS:HB3	0.50	1.82	6	6

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:264:SER:HB2	1:A:359:MET:SD	0.50	2.46	6	1
1:A:215:GLU:HG2	1:A:220:THR:HG23	0.50	1.83	9	1
1:B:233:LEU:HG	1:B:241:ILE:HD13	0.50	1.82	18	1
1:B:186:GLU:HG3	1:B:192:ARG:HE	0.50	1.66	4	1
1:B:400:LEU:HD22	1:B:468:MET:SD	0.50	2.47	4	1
1:B:106:LEU:HB2	1:B:113:GLN:HB3	0.50	1.84	10	1
1:B:105:PHE:HA	1:B:114:ALA:HA	0.50	1.84	3	1
1:B:253:ILE:HG22	1:B:298:LYS:HD2	0.50	1.82	14	1
1:B:102:THR:HA	1:B:113:GLN:NE2	0.50	2.22	13	3
1:B:383:LYS:HD2	1:B:468:MET:SD	0.50	2.47	16	2
1:B:212:LYS:HE3	1:B:212:LYS:HA	0.50	1.83	16	5
1:A:27:ASN:HD22	1:A:30:ILE:HB	0.50	1.66	12	1
1:B:97:ILE:HG12	1:B:120:ILE:HG12	0.50	1.83	16	1
1:B:109:LEU:HD12	1:B:111:SER:HB3	0.49	1.84	10	1
1:A:27:ASN:HB3	1:A:29:GLU:HG2	0.49	1.83	16	2
1:B:106:LEU:HG	1:B:112:ASP:HB3	0.49	1.83	6	1
1:B:288:MET:SD	1:B:319:ARG:HD2	0.49	2.48	1	2
1:B:235:THR:HG21	1:B:303:ARG:HH11	0.49	1.66	5	1
1:A:33:ARG:HH22	1:A:257:PHE:HB2	0.49	1.67	5	1
1:B:212:LYS:NZ	1:B:212:LYS:HA	0.49	2.23	4	1
1:A:103:LYS:HE3	1:A:103:LYS:HA	0.49	1.85	5	2
1:B:25:TYR:CZ	1:B:30:ILE:HB	0.49	2.43	7	1
1:B:436:ASP:HA	1:B:463:ARG:HH22	0.49	1.68	8	1
1:B:318:LEU:HD22	1:B:356:VAL:HG11	0.49	1.85	11	1
1:B:51:LEU:HD13	1:B:332:LEU:HB3	0.49	1.84	9	1
1:B:203:HIS:CE1	1:B:248:GLU:HB3	0.49	2.43	14	2
1:A:102:THR:HA	1:A:113:GLN:NE2	0.48	2.24	4	3
1:A:56:LEU:HB3	1:A:144:ALA:HB1	0.48	1.84	9	2
1:B:159:GLU:HG2	1:B:161:GLU:HB3	0.48	1.85	2	1
1:A:29:GLU:HB2	1:A:196:ILE:HG21	0.48	1.83	17	3
1:A:203:HIS:CE1	1:A:248:GLU:HB3	0.48	2.43	11	1
1:A:288:MET:SD	1:A:319:ARG:HD2	0.48	2.48	19	2
1:A:71:LYS:N	1:A:71:LYS:HD2	0.48	2.23	9	1
1:B:400:LEU:HD13	1:B:468:MET:SD	0.48	2.48	13	1
1:B:357:LEU:HD23	1:B:399:LEU:HD11	0.48	1.84	1	1
1:B:314:MET:HE2	1:B:315:PRO:HD2	0.48	1.86	6	1
1:B:64:ARG:NH1	1:B:81:ASN:ND2	0.48	2.62	19	3
1:B:298:LYS:HG2	1:B:308:ASP:HB3	0.47	1.86	18	1
1:A:251:LYS:HG3	1:A:257:PHE:HA	0.47	1.87	20	1
1:A:287:ASP:HB2	1:A:294:LYS:HB2	0.47	1.86	7	2
1:A:197:ILE:HG21	1:A:227:ILE:HD13	0.47	1.86	6	5

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:B:314:MET:SD	1:B:356:VAL:HG21	0.47	2.49	6	1
1:A:33:ARG:HD2	1:A:248:GLU:HB3	0.47	1.87	13	1
1:B:192:ARG:NH1	1:B:196:ILE:HD11	0.47	2.24	5	1
1:B:36:ILE:HG23	1:B:65:VAL:HG11	0.47	1.86	6	1
1:A:254:ALA:HA	1:A:322:ARG:HE	0.47	1.69	18	1
1:B:253:ILE:HD13	1:B:323:GLY:HA2	0.47	1.87	10	3
1:B:384:GLU:HA	1:B:467:TRP:CH2	0.47	2.45	13	1
1:B:460:LEU:HB3	1:B:465:ASP:HB2	0.47	1.85	3	1
1:B:203:HIS:CE1	1:B:248:GLU:HG3	0.47	2.45	5	1
1:A:325:ILE:HD12	1:A:352:LEU:HD21	0.47	1.87	7	1
1:B:325:ILE:HG21	1:B:352:LEU:HD21	0.46	1.87	9	1
1:B:148:PRO:HB3	1:B:170:GLU:HA	0.46	1.86	10	1
1:B:108:SER:HB3	1:B:109:LEU:HD12	0.46	1.87	16	1
1:A:49:ARG:HH11	1:A:83:VAL:HG21	0.46	1.71	15	1
1:B:119:LEU:H	1:B:119:LEU:HD13	0.46	1.70	12	1
1:B:154:TRP:HA	1:B:163:THR:O	0.46	2.11	13	1
1:B:263:TRP:HA	1:B:359:MET:SD	0.46	2.51	11	1
1:A:83:VAL:O	1:A:143:ALA:HA	0.46	2.11	10	4
1:B:381:VAL:O	1:B:384:GLU:HG2	0.46	2.11	2	3
1:A:53:ASN:HD22	1:A:56:LEU:HG	0.46	1.71	8	1
1:B:236:ARG:HB2	1:B:241:ILE:HD11	0.46	1.88	10	1
1:B:56:LEU:HB3	1:B:144:ALA:HB1	0.46	1.88	19	3
1:A:29:GLU:HG3	1:A:187:PHE:HE1	0.46	1.70	13	1
1:A:314:MET:HG2	1:A:321:VAL:HB	0.45	1.87	19	1
1:B:203:HIS:ND1	1:B:248:GLU:HB3	0.45	2.26	20	1
1:A:288:MET:SD	1:A:319:ARG:HG3	0.45	2.51	5	1
1:B:29:GLU:HG3	1:B:187:PHE:HE1	0.45	1.72	13	1
1:B:98:ALA:HB2	1:B:162:TYR:CE2	0.45	2.46	7	1
1:B:47:ARG:HB3	1:B:304:VAL:HG13	0.45	1.87	19	1
1:B:22:HIS:HB2	1:B:257:PHE:CZ	0.45	2.46	5	1
1:A:192:ARG:NH1	1:A:196:ILE:HD11	0.45	2.27	18	2
1:B:236:ARG:HH21	1:B:240:GLU:HG2	0.45	1.71	13	1
1:A:22:HIS:HB2	1:A:257:PHE:CE2	0.45	2.46	2	1
1:A:209:GLU:HG2	1:A:226:LYS:HG2	0.45	1.88	8	2
1:B:287:ASP:HB2	1:B:294:LYS:HB2	0.45	1.88	20	1
1:B:233:LEU:HA	1:B:236:ARG:HD3	0.44	1.88	4	3
1:B:212:LYS:HA	1:B:212:LYS:HE2	0.44	1.89	6	1
1:B:233:LEU:HD11	1:B:241:ILE:HG23	0.44	1.88	10	1
1:B:53:ASN:HD22	1:B:56:LEU:HG	0.44	1.72	4	1
1:A:233:LEU:HA	1:A:236:ARG:HD3	0.44	1.88	17	2
1:A:93:HIS:O	1:A:97:ILE:HG12	0.44	2.12	5	3

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:319:ARG:HG2	1:A:381:VAL:HG11	0.44	1.88	6	1
1:B:356:VAL:O	1:B:360:LEU:HG	0.44	2.12	8	2
1:B:106:LEU:HG	1:B:108:SER:H	0.44	1.73	3	2
1:A:33:ARG:NH1	1:A:34:GLU:HG2	0.44	2.28	7	1
1:A:115:LYS:HE2	1:A:115:LYS:HA	0.44	1.90	18	1
1:B:316:ASN:HA	1:B:319:ARG:HB2	0.44	1.88	18	1
1:B:290:ASN:HA	1:B:291:ARG:NH2	0.44	2.28	7	1
1:B:198:SER:HB3	1:B:227:ILE:HG22	0.44	1.89	18	1
1:A:193:VAL:O	1:A:197:ILE:HG12	0.44	2.12	8	3
1:A:105:PHE:HA	1:A:114:ALA:HA	0.44	1.90	11	1
1:B:62:GLU:HG2	1:B:64:ARG:HH21	0.44	1.72	16	1
1:B:40:SER:HA	1:B:206:LEU:HD22	0.44	1.89	17	1
1:A:53:ASN:HD21	1:A:55:ASP:HB2	0.44	1.73	8	1
1:A:19:LEU:HD22	1:A:120:ILE:HG22	0.44	1.89	12	1
1:A:142:ARG:NH1	1:A:146:GLU:HB3	0.44	2.27	1	2
1:B:193:VAL:O	1:B:197:ILE:HG12	0.44	2.13	4	6
1:A:64:ARG:NH1	1:A:81:ASN:ND2	0.44	2.66	3	1
1:A:192:ARG:HE	1:A:196:ILE:HD11	0.44	1.73	4	1
1:B:142:ARG:NH2	1:B:146:GLU:HB2	0.44	2.28	16	1
1:B:51:LEU:HD21	1:B:304:VAL:HG11	0.43	1.90	14	2
1:B:462:ASP:HB3	1:B:465:ASP:HB2	0.43	1.90	19	1
1:A:356:VAL:O	1:A:360:LEU:HG	0.43	2.14	13	4
1:A:41:ASP:O	1:A:45:LYS:HG2	0.43	2.13	13	2
1:B:211:GLU:HG3	1:B:222:ILE:HG23	0.43	1.90	15	1
1:A:140:ARG:HG2	1:A:169:LYS:HD2	0.43	1.89	19	1
1:B:197:ILE:HG21	1:B:227:ILE:HD13	0.43	1.91	4	1
1:B:142:ARG:CZ	1:B:151:GLY:HA3	0.43	2.44	19	1
1:B:468:MET:SD	1:B:468:MET:O	0.43	2.77	20	1
1:A:249:PHE:O	1:A:253:ILE:HG13	0.43	2.13	2	3
1:A:201:SER:HB2	1:A:208:VAL:HG21	0.43	1.91	7	1
1:B:142:ARG:HG3	1:B:169:LYS:O	0.43	2.13	9	1
1:A:140:ARG:HG2	1:A:169:LYS:HG3	0.43	1.90	3	1
1:A:142:ARG:NH1	1:A:146:GLU:HB2	0.43	2.29	4	1
1:B:379:GLY:O	1:B:383:LYS:HG3	0.43	2.14	4	2
1:B:60:ASP:HB2	1:B:172:ARG:HH22	0.43	1.74	6	1
1:A:19:LEU:HA	1:A:257:PHE:CZ	0.43	2.48	18	2
1:A:227:ILE:HD12	1:A:227:ILE:H	0.43	1.73	14	1
1:B:284:ALA:HB2	1:B:377:GLN:HB3	0.43	1.91	16	1
1:A:74:ARG:HG2	1:A:188:LEU:HG	0.43	1.90	4	1
1:A:298:LYS:HG2	1:A:308:ASP:HB3	0.43	1.90	12	2
1:B:99:LYS:HE3	1:B:99:LYS:HA	0.43	1.89	9	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:142:ARG:HH12	1:A:146:GLU:HB3	0.43	1.73	11	1
1:B:274:TYR:HA	1:B:326:ASP:O	0.43	2.14	11	1
1:A:74:ARG:HA	1:A:188:LEU:HD13	0.43	1.91	19	1
1:B:280:ILE:HG12	1:B:359:MET:SD	0.43	2.54	1	1
1:B:114:ALA:O	1:B:118:GLN:HG2	0.43	2.14	4	1
1:A:213:ARG:HA	1:A:221:VAL:O	0.43	2.14	5	1
1:B:87:ARG:HD3	1:B:166:ASP:HB3	0.43	1.91	13	1
1:B:106:LEU:HB3	1:B:110:GLY:H	0.43	1.74	19	1
1:B:71:LYS:N	1:B:71:LYS:HE3	0.42	2.28	5	1
1:B:155:GLU:HB3	1:B:163:THR:HB	0.42	1.90	12	1
1:B:438:TYR:HA	1:B:461:SER:HB3	0.42	1.90	19	1
1:B:203:HIS:HB2	1:B:233:LEU:HD12	0.42	1.92	1	1
1:B:227:ILE:HD12	1:B:227:ILE:H	0.42	1.74	6	2
1:A:209:GLU:HA	1:A:226:LYS:HA	0.42	1.90	15	1
1:B:192:ARG:O	1:B:196:ILE:HG12	0.42	2.15	14	3
1:B:36:ILE:HD12	1:B:197:ILE:HD12	0.42	1.91	13	1
1:A:147:LYS:HD2	1:A:147:LYS:H	0.42	1.75	16	1
1:A:212:LYS:NZ	1:A:212:LYS:HA	0.42	2.29	17	1
1:B:93:HIS:O	1:B:97:ILE:HG12	0.42	2.15	17	1
1:A:250:TYR:OH	1:A:281:PRO:HB3	0.42	2.13	20	1
1:B:27:ASN:HB3	1:B:29:GLU:HG2	0.42	1.90	5	1
1:A:60:ASP:HB2	1:A:172:ARG:HH22	0.42	1.75	12	1
1:B:203:HIS:HA	1:B:233:LEU:HD13	0.42	1.90	14	1
1:B:102:THR:HA	1:B:113:GLN:HE21	0.42	1.73	1	2
1:A:142:ARG:HH12	1:A:151:GLY:N	0.42	2.13	6	2
1:B:200:TYR:HA	1:B:203:HIS:CE1	0.42	2.50	8	1
1:A:80:ASP:O	1:A:173:GLY:HA3	0.42	2.15	15	1
1:B:16:LEU:HD13	1:B:120:ILE:HG23	0.42	1.92	4	1
1:B:460:LEU:CD2	1:B:469:MET:SD	0.42	3.08	8	1
1:A:140:ARG:HA	1:A:152:VAL:O	0.42	2.15	9	1
1:B:242:THR:HG22	1:B:245:GLU:HG3	0.42	1.90	11	1
1:B:106:LEU:HD22	1:B:112:ASP:HB2	0.42	1.92	19	1
1:A:348:LEU:O	1:A:352:LEU:HB2	0.42	2.15	4	1
1:A:351:ALA:O	1:A:355:ARG:HB2	0.42	2.14	6	1
1:B:103:LYS:HG3	1:B:104:SER:N	0.42	2.30	18	1
1:A:51:LEU:HD21	1:A:304:VAL:HG11	0.42	1.90	3	1
1:A:198:SER:O	1:A:202:ASP:HB2	0.42	2.15	16	1
1:A:251:LYS:HA	1:A:256:ASP:O	0.41	2.15	14	1
1:B:32:LEU:HD22	1:B:196:ILE:HG22	0.41	1.91	16	1
1:B:316:ASN:ND2	1:B:319:ARG:HH21	0.41	2.13	16	1
1:A:203:HIS:HB2	1:A:233:LEU:HD12	0.41	1.91	18	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:299:LEU:HD13	1:A:313:PHE:CZ	0.41	2.50	2	1
1:A:253:ILE:HG12	1:A:324:LEU:HD22	0.41	1.90	3	1
1:A:122:GLN:HA	1:A:122:GLN:HE21	0.41	1.75	16	1
1:A:36:ILE:HG23	1:A:65:VAL:HG11	0.41	1.91	3	1
1:A:147:LYS:HD3	1:A:147:LYS:H	0.41	1.74	3	1
1:B:316:ASN:HA	1:B:319:ARG:HB3	0.41	1.91	8	2
1:A:35:LEU:HA	1:A:38:ASN:ND2	0.41	2.30	14	1
1:A:169:LYS:HZ2	1:A:171:ASP:HB2	0.41	1.74	20	1
1:A:64:ARG:HB2	1:A:207:PRO:O	0.41	2.16	11	2
1:B:363:LEU:HA	1:B:366:ASP:HB3	0.41	1.92	3	1
1:B:339:LEU:HA	1:B:345:THR:HG21	0.41	1.92	7	1
1:B:268:VAL:HG21	1:B:355:ARG:HH21	0.41	1.75	8	1
1:B:74:ARG:HA	1:B:188:LEU:HD11	0.41	1.92	16	1
1:A:47:ARG:HB3	1:A:304:VAL:HG13	0.41	1.92	18	2
1:B:142:ARG:NH2	1:B:151:GLY:HA3	0.41	2.30	19	1
1:B:194:ARG:NH2	1:B:212:LYS:HD2	0.41	2.30	6	1
1:A:234:TRP:O	1:A:275:THR:HG21	0.41	2.16	7	1
1:A:351:ALA:HA	1:A:354:LYS:HD2	0.41	1.91	13	1
1:B:289:TRP:CH2	1:B:380:LEU:HB2	0.41	2.51	14	1
1:A:85:MET:HB2	1:A:141:THR:HG21	0.41	1.93	18	1
1:A:233:LEU:HD12	1:A:236:ARG:HD3	0.41	1.93	20	1
1:B:198:SER:O	1:B:202:ASP:HB2	0.41	2.15	1	1
1:B:271:LYS:HE3	1:B:271:LYS:HA	0.41	1.93	2	1
1:B:149:GLU:HG3	1:B:150:ASN:HD22	0.41	1.76	11	1
1:A:104:SER:O	1:A:117:SER:HB2	0.41	2.16	17	1
1:A:373:THR:O	1:A:377:GLN:HG2	0.41	2.16	18	1
1:B:122:GLN:HB2	1:B:255:HIS:HB3	0.41	1.92	3	1
1:A:210:ILE:HB	1:A:227:ILE:HD11	0.41	1.93	8	1
1:A:140:ARG:HE	1:A:167:ILE:HD13	0.41	1.76	11	1
1:B:402:PHE:HZ	1:B:468:MET:SD	0.41	2.38	13	1
1:B:83:VAL:O	1:B:143:ALA:HA	0.41	2.16	16	1
1:B:287:ASP:HB2	1:B:292:ASP:HB3	0.41	1.91	16	1
1:B:186:GLU:HG3	1:B:192:ARG:NE	0.41	2.31	4	1
1:A:212:LYS:HB3	1:A:223:SER:HB2	0.41	1.92	10	1
1:B:118:GLN:HG2	1:B:294:LYS:HG2	0.41	1.92	19	1
1:B:41:ASP:O	1:B:45:LYS:HG2	0.41	2.16	17	2
1:B:287:ASP:HA	1:B:290:ASN:HB3	0.41	1.92	5	1
1:B:147:LYS:HB3	1:B:150:ASN:ND2	0.41	2.31	9	1
1:B:462:ASP:HB2	1:B:465:ASP:HB3	0.41	1.93	9	1
1:B:352:LEU:O	1:B:356:VAL:HG23	0.41	2.16	12	1
1:B:29:GLU:HG3	1:B:196:ILE:HD12	0.41	1.92	16	1

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Atom-1	Atom-2	Clash(Å)	Distance(Å)	Models	
				Worst	Total
1:A:81:ASN:HA	1:A:173:GLY:HA3	0.41	1.93	17	1
1:B:249:PHE:O	1:B:253:ILE:HG13	0.41	2.16	4	1
1:A:327:SER:HB3	1:A:330:LEU:HB2	0.41	1.93	6	1
1:B:203:HIS:CE1	1:B:248:GLU:HB2	0.41	2.51	7	1
1:B:147:LYS:HB3	1:B:150:ASN:HD22	0.41	1.75	9	1
1:A:315:PRO:HD2	1:A:318:LEU:HD12	0.41	1.91	11	1
1:B:200:TYR:O	1:B:203:HIS:ND1	0.41	2.53	14	1
1:A:106:LEU:HD23	1:A:109:LEU:HB2	0.41	1.93	15	1
1:A:99:LYS:HB2	1:A:160:GLY:O	0.41	2.16	20	1
1:B:335:SER:O	1:B:339:LEU:HG	0.40	2.16	3	1
1:A:268:VAL:HG21	1:A:355:ARG:NH2	0.40	2.31	16	1
1:B:351:ALA:O	1:B:355:ARG:HD3	0.40	2.17	17	1
1:A:290:ASN:ND2	1:A:292:ASP:HB3	0.40	2.31	20	1
1:B:383:LYS:HA	1:B:468:MET:SD	0.40	2.56	4	1
1:A:97:ILE:HG21	1:A:124:GLY:HA2	0.40	1.93	7	1
1:B:201:SER:HB2	1:B:228:ASN:HB3	0.40	1.93	13	1
1:B:390:PHE:HA	1:B:393:GLN:HB2	0.40	1.94	17	1
1:B:234:TRP:O	1:B:275:THR:HG21	0.40	2.16	18	1
1:A:102:THR:HG22	1:A:113:GLN:HB3	0.40	1.92	6	1
1:A:201:SER:HB2	1:A:228:ASN:HB2	0.40	1.92	10	1
1:B:464:ILE:O	1:B:467:TRP:HB3	0.40	2.16	13	1
1:A:254:ALA:HA	1:A:322:ARG:NH2	0.40	2.31	19	1
1:A:36:ILE:HD12	1:A:200:TYR:HE2	0.40	1.76	1	1
1:A:97:ILE:HG12	1:A:120:ILE:HG12	0.40	1.93	19	1
1:B:140:ARG:HG2	1:B:169:LYS:HD2	0.40	1.93	7	1
1:B:247:LYS:O	1:B:251:LYS:HG3	0.40	2.17	10	1
1:A:306:ILE:HG22	1:A:307:MET:HG3	0.40	1.93	13	1
1:B:385:GLY:HA3	1:B:396:ILE:HG21	0.40	1.93	15	1
1:B:93:HIS:O	1:B:97:ILE:HG13	0.40	2.16	16	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	367/624 (59%)	336±3 (91±1%)	28±3 (8±1%)	3±1 (1±0%)	21 69

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	B	418/624 (67%)	385±4 (92±1%)	29±4 (7±1%)	3±1 (1±0%)	24 71
2	C	0	-	-	-	-
All	All	15700/27600 (57%)	14420 (92%)	1150 (7%)	130 (1%)	24 71

All 25 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	103	LYS	20
1	B	103	LYS	20
1	A	106	LEU	16
1	B	106	LEU	10
1	A	207	PRO	8
1	B	111	SER	8
1	A	111	SER	6
1	B	101	GLY	6
1	A	104	SER	4
1	B	104	SER	4
1	B	207	PRO	4
1	B	98	ALA	3
1	A	100	SER	3
1	B	14	LYS	2
1	B	15	GLN	2
1	B	100	SER	2
1	B	257	PHE	2
1	A	98	ALA	2
1	B	25	TYR	2
1	B	385	GLY	1
1	B	28	LYS	1
1	A	28	LYS	1
1	A	257	PHE	1
1	A	15	GLN	1
1	A	101	GLY	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	325/547 (59%)	310±3 (95±1%)	15±3 (5±1%)	31 79
1	B	367/547 (67%)	352±3 (96±1%)	15±3 (4±1%)	34 82
2	C	0	-	-	-
All	All	13840/24100 (57%)	13237 (96%)	603 (4%)	32 81

All 199 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	325	ILE	16
1	B	64	ARG	16
1	A	64	ARG	15
1	A	257	PHE	14
1	B	257	PHE	14
1	A	314	MET	13
1	B	325	ILE	13
1	B	99	LYS	13
1	A	322	ARG	11
1	A	107	GLU	11
1	A	192	ARG	11
1	B	314	MET	10
1	B	212	LYS	10
1	A	99	LYS	9
1	A	142	ARG	9
1	B	295	HIS	9
1	A	355	ARG	8
1	B	192	ARG	8
1	A	317	TYR	8
1	A	38	ASN	8
1	B	62	GLU	7
1	B	358	GLN	7
1	A	311	GLU	7
1	B	322	ARG	7
1	A	303	ARG	7
1	B	291	ARG	7
1	A	62	GLU	6
1	B	271	LYS	6
1	B	142	ARG	6
1	A	212	LYS	6
1	A	29	GLU	5
1	A	295	HIS	5
1	B	29	GLU	5

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Mol	Chain	Res	Type	Models (Total)
1	B	167	ILE	5
1	B	346	ARG	5
1	B	412	GLN	5
1	A	266	ASN	4
1	B	161	GLU	4
1	B	107	GLU	4
1	A	286	TRP	4
1	A	348	LEU	4
1	A	105	PHE	3
1	A	372	GLN	3
1	B	287	ASP	3
1	B	319	ARG	3
1	B	357	LEU	3
1	A	33	ARG	3
1	B	348	LEU	3
1	B	136	LYS	3
1	B	269	GLU	3
1	B	266	ASN	3
1	B	303	ARG	3
1	A	227	ILE	3
1	A	283	GLN	3
1	B	182	GLU	3
1	B	293	HIS	3
1	B	38	ASN	3
1	B	105	PHE	3
1	A	18	HIS	3
1	A	182	GLU	3
1	A	199	LYS	3
1	B	340	GLN	3
1	B	464	ILE	3
1	A	211	GLU	3
1	A	86	THR	3
1	B	286	TRP	3
1	A	294	LYS	3
1	A	34	GLU	2
1	A	225	GLU	2
1	B	44	ASP	2
1	B	365	LYS	2
1	A	161	GLU	2
1	A	350	ASN	2
1	B	93	HIS	2
1	A	15	GLN	2

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Mol	Chain	Res	Type	Models (Total)
1	A	45	LYS	2
1	A	147	LYS	2
1	A	149	GLU	2
1	A	167	ILE	2
1	A	269	GLU	2
1	B	372	GLN	2
1	B	382	LEU	2
1	B	465	ASP	2
1	A	288	MET	2
1	B	294	LYS	2
1	A	103	LYS	2
1	A	358	GLN	2
1	B	71	LYS	2
1	B	354	LYS	2
1	B	355	ARG	2
1	B	394	GLU	2
1	A	17	LEU	2
1	B	119	LEU	2
1	A	122	GLN	2
1	A	337	GLU	2
1	B	14	LYS	2
1	B	27	ASN	2
1	B	45	LYS	2
1	B	122	GLN	2
1	B	252	HIS	2
1	B	388	GLU	2
1	A	136	LYS	2
1	A	140	ARG	2
1	A	309	ASP	2
1	B	251	LYS	2
1	B	392	ASN	2
1	A	171	ASP	2
1	B	150	ASN	2
1	B	171	ASP	2
1	B	288	MET	2
1	B	115	LYS	2
1	B	311	GLU	2
1	B	460	LEU	2
1	A	291	ARG	2
1	B	89	GLU	2
1	B	317	TYR	2
1	B	463	ARG	2

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Mol	Chain	Res	Type	Models (Total)
1	A	27	ASN	2
1	A	20	MET	1
1	A	32	LEU	1
1	A	41	ASP	1
1	A	146	GLU	1
1	A	362	LYS	1
1	B	159	GLU	1
1	B	389	ASP	1
1	A	92	ASP	1
1	A	179	HIS	1
1	A	155	GLU	1
1	A	202	ASP	1
1	A	248	GLU	1
1	B	185	ASP	1
1	B	469	MET	1
1	A	115	LYS	1
1	A	188	LEU	1
1	A	271	LYS	1
1	A	354	LYS	1
1	B	215	GLU	1
1	B	406	HIS	1
1	A	96	THR	1
1	A	102	THR	1
1	B	118	GLN	1
1	A	215	GLU	1
1	B	86	THR	1
1	B	147	LYS	1
1	B	149	GLU	1
1	B	302	GLN	1
1	A	231	GLN	1
1	A	159	GLU	1
1	A	162	TYR	1
1	A	194	ARG	1
1	B	33	ARG	1
1	B	109	LEU	1
1	B	320	PHE	1
1	B	466	GLU	1
1	A	150	ASN	1
1	A	273	GLU	1
1	B	15	GLN	1
1	B	102	THR	1
1	B	146	GLU	1

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Mol	Chain	Res	Type	Models (Total)
1	B	216	LYS	1
1	B	393	GLN	1
1	A	361	GLU	1
1	B	25	TYR	1
1	B	211	GLU	1
1	B	235	THR	1
1	A	297	LEU	1
1	B	41	ASP	1
1	B	92	ASP	1
1	B	199	LYS	1
1	B	308	ASP	1
1	A	214	GLU	1
1	B	213	ARG	1
1	A	80	ASP	1
1	A	240	GLU	1
1	A	346	ARG	1
1	B	140	ARG	1
1	B	229	LYS	1
1	A	272	GLN	1
1	A	69	PHE	1
1	A	189	ASP	1
1	A	293	HIS	1
1	B	87	ARG	1
1	B	384	GLU	1
1	A	73	LYS	1
1	A	252	HIS	1
1	B	112	ASP	1
1	B	202	ASP	1
1	B	405	THR	1
1	A	57	TYR	1
1	A	87	ARG	1
1	A	116	ASP	1
1	A	366	ASP	1
1	B	103	LYS	1
1	B	338	ILE	1
1	A	340	GLN	1
1	A	347	ASN	1
1	B	32	LEU	1
1	B	309	ASP	1
1	B	362	LYS	1

6.3.3 RNA [i](#)

There are no RNA molecules in this entry.

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

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

6.5 Carbohydrates [i](#)

There are no monosaccharides in this entry.

6.6 Ligand geometry [i](#)

There are no ligands in this entry.

6.7 Other polymers [i](#)

There are no such molecules in this entry.

6.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

7 Chemical shift validation [i](#)

The completeness of assignment taking into account all chemical shift lists is 11% for the well-defined parts and 9% for the entire structure.

7.1 Chemical shift list 1

File name: working_cs.cif

Chemical shift list name: *assigned_chem_shift_list_0*

7.1.1 Bookkeeping [i](#)

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	1687
Number of shifts mapped to atoms	1687
Number of unparsed shifts	0
Number of shifts with mapping errors	0
Number of shifts with mapping warnings	0
Number of shift outliers (ShiftChecker)	14

7.1.2 Chemical shift referencing [i](#)

The following table shows the suggested chemical shift referencing corrections.

Nucleus	# values	Correction \pm precision, ppm	Suggested action
$^{13}\text{C}_\alpha$	442	0.09 ± 0.06	None needed (< 0.5 ppm)
$^{13}\text{C}_\beta$	417	0.90 ± 0.10	Should be checked
$^{13}\text{C}'$	0	—	None (insufficient data)
^{15}N	414	-0.32 ± 0.15	None needed (< 0.5 ppm)

7.1.3 Completeness of resonance assignments [i](#)

The following table shows the completeness of the chemical shift assignments for the well-defined regions of the structure. The overall completeness is 11%, i.e. 1227 atoms were assigned a chemical shift out of a possible 10952. 0 out of 120 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	^1H	^{13}C	^{15}N
Backbone	925/3934 (24%)	302/1596 (19%)	321/1570 (20%)	302/768 (39%)
Sidechain	302/6081 (5%)	0/3916 (0%)	302/1903 (16%)	0/262 (0%)

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	Total	¹ H	¹³ C	¹⁵ N
Aromatic	0/937 (0%)	0/456 (0%)	0/422 (0%)	0/59 (0%)
Overall	1227/10952 (11%)	302/5968 (5%)	623/3895 (16%)	302/1089 (28%)

The following table shows the completeness of the chemical shift assignments for the full structure. The overall completeness is 9%, i.e. 1686 atoms were assigned a chemical shift out of a possible 19202. 0 out of 227 assigned methyl groups (LEU and VAL) were assigned stereospecifically.

	Total	¹ H	¹³ C	¹⁵ N
Backbone	1269/6895 (18%)	413/2792 (15%)	442/2760 (16%)	414/1343 (31%)
Sidechain	417/10870 (4%)	0/7014 (0%)	417/3411 (12%)	0/445 (0%)
Aromatic	0/1437 (0%)	0/697 (0%)	0/657 (0%)	0/83 (0%)
Overall	1686/19202 (9%)	413/10503 (4%)	859/6828 (13%)	414/1871 (22%)

7.1.4 Statistically unusual chemical shifts [i](#)

The following table lists the statistically unusual chemical shifts. These are statistical measures, and large deviations from the mean do not necessarily imply incorrect assignments. Molecules containing paramagnetic centres or hemes are expected to give rise to anomalous chemical shifts.

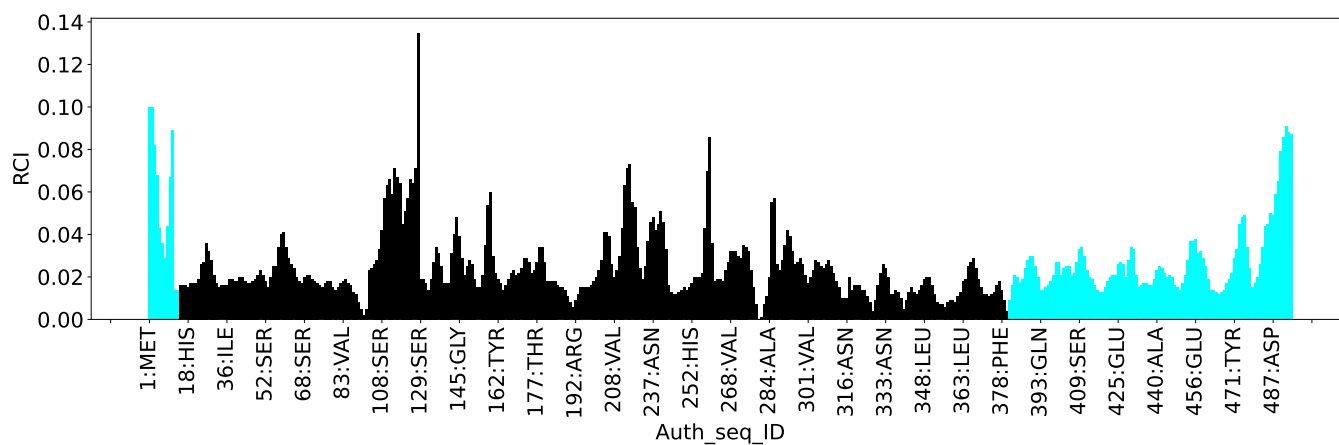
List Id	Chain	Res	Type	Atom	Shift, ppm	Expected range, ppm	Z-score
1	A	279	TYR	H	117.59	4.70 – 11.88	152.2
1	A	328	SER	H	31.14	5.45 – 11.10	40.5
1	A	340	GLN	H	29.41	5.39 – 11.05	37.5
1	A	279	TYR	N	9.63	100.12 – 140.79	-27.2
1	A	91	ILE	CA	30.54	48.30 – 75.08	-11.6
1	A	380	LEU	CB	57.53	33.11 – 51.34	8.4
1	A	335	SER	CB	51.64	56.28 – 71.32	-8.1
1	A	462	ASP	CB	53.22	32.98 – 48.76	7.8
1	A	181	ARG	CB	43.22	21.74 – 39.52	7.1
1	A	380	LEU	CA	40.90	45.17 – 66.21	-7.0
1	A	360	LEU	CB	30.11	33.11 – 51.34	-6.7
1	A	353	THR	CB	58.99	61.12 – 78.27	-6.2
1	A	91	ILE	CB	50.21	28.63 – 48.45	5.9
1	A	191	TRP	CA	43.57	45.21 – 70.26	-5.7

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

The image below reports *random coil index* values for the protein chains in the structure. The height of each bar gives a probability of a given residue to be disordered, as predicted from the available chemical shifts and the amino acid sequence. A value above 0.2 is an indication of significant predicted disorder. The colour of the bar shows whether the residue is in the well-defined core (black) or in the ill-defined residue ranges (cyan), as described in section 2 on ensemble

composition. If well-defined core and ill-defined regions are not identified then it is shown as gray bars.

Random coil index (RCI) for chain A:



8 NMR restraints analysis

8.1 Conformationally restricting restraints

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

Description	Value
Total distance restraints	24243
Intra-residue ($ i-j =0$)	0
Sequential ($ i-j =1$)	6802
Medium range ($ i-j >1$ and $ i-j <5$)	6814
Long range ($ i-j \geq 5$)	10540
Inter-chain	87
Hydrogen bond restraints	0
Disulfide bond restraints	0
Total dihedral-angle restraints	0
Number of unmapped restraints	0
Number of restraints per residue	17.6
Number of long range restraints per residue ¹	7.6

¹Long 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)	99.5	0.2
0.2-0.5 (Medium)	46.7	0.5
>0.5 (Large)	25.1	92.03

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

Dihedral-angle violations less than 1° are not included in the calculation. There are no dihedral-angle violations

9 Distance violation analysis [i](#)

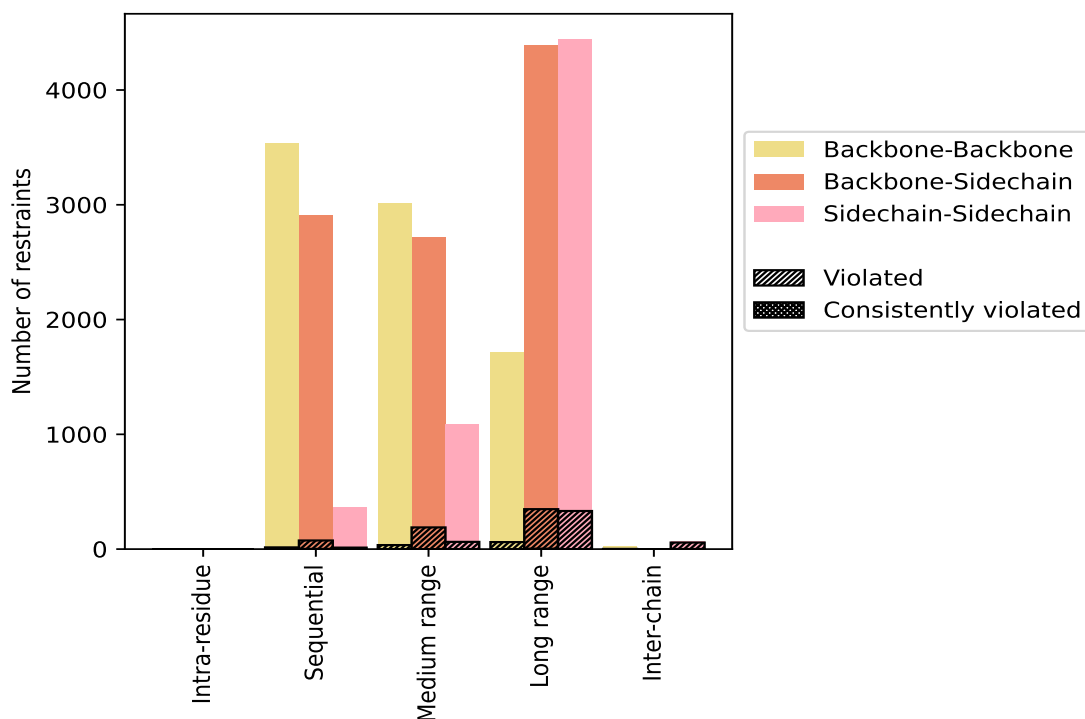
9.1 Summary of distance violations [i](#)

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.

Restrains type	Count	% ¹	Violated ³			Consistently Violated ⁴		
			Count	% ²	% ¹	Count	% ²	% ¹
Intra-residue ($i-j =0$)	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Backbone	0	0.0	0	0.0	0.0	0	0.0	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sequential ($i-j =1$)	6802	28.1	103	1.5	0.4	2	0.0	0.0
Backbone-Backbone	3532	14.6	15	0.4	0.1	0	0.0	0.0
Backbone-Sidechain	2910	12.0	75	2.6	0.3	2	0.1	0.0
Sidechain-Sidechain	360	1.5	13	3.6	0.1	0	0.0	0.0
Medium range ($i-j >1$ & $i-j <5$)	6814	28.1	287	4.2	1.2	0	0.0	0.0
Backbone-Backbone	3014	12.4	35	1.2	0.1	0	0.0	0.0
Backbone-Sidechain	2714	11.2	189	7.0	0.8	0	0.0	0.0
Sidechain-Sidechain	1086	4.5	63	5.8	0.3	0	0.0	0.0
Long range ($i-j \geq 5$)	10540	43.5	741	7.0	3.1	4	0.0	0.0
Backbone-Backbone	1712	7.1	61	3.6	0.3	0	0.0	0.0
Backbone-Sidechain	4386	18.1	348	7.9	1.4	4	0.1	0.0
Sidechain-Sidechain	4442	18.3	332	7.5	1.4	0	0.0	0.0
Inter-chain	87	0.4	58	66.7	0.2	2	2.3	0.0
Backbone-Backbone	21	0.1	1	4.8	0.0	1	4.8	0.0
Backbone-Sidechain	0	0.0	0	0.0	0.0	0	0.0	0.0
Sidechain-Sidechain	66	0.3	57	86.4	0.2	1	1.5	0.0
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	24243	100.0	1189	4.9	4.9	8	0.0	0.0
Backbone-Backbone	8279	34.2	112	1.4	0.5	1	0.0	0.0
Backbone-Sidechain	10010	41.3	612	6.1	2.5	6	0.1	0.0
Sidechain-Sidechain	5954	24.6	465	7.8	1.9	1	0.0	0.0

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 [i](#)



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

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

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

Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
1	0	16	32	122	26	196	0.75	90.94	6.47	0.17
2	0	21	27	97	16	161	0.85	90.19	7.07	0.19
3	0	12	19	121	17	169	0.84	90.41	6.92	0.17
4	0	16	28	102	15	161	0.84	89.95	7.05	0.18
5	0	17	30	109	18	174	0.8	90.34	6.81	0.16
6	0	16	37	107	19	179	0.79	90.24	6.71	0.18
7	0	12	32	109	17	170	0.81	89.38	6.82	0.16
8	0	14	34	104	21	173	0.79	90.3	6.83	0.17
9	0	12	30	102	10	154	0.9	91.49	7.33	0.18
10	0	16	36	111	18	181	0.82	91.84	6.79	0.17

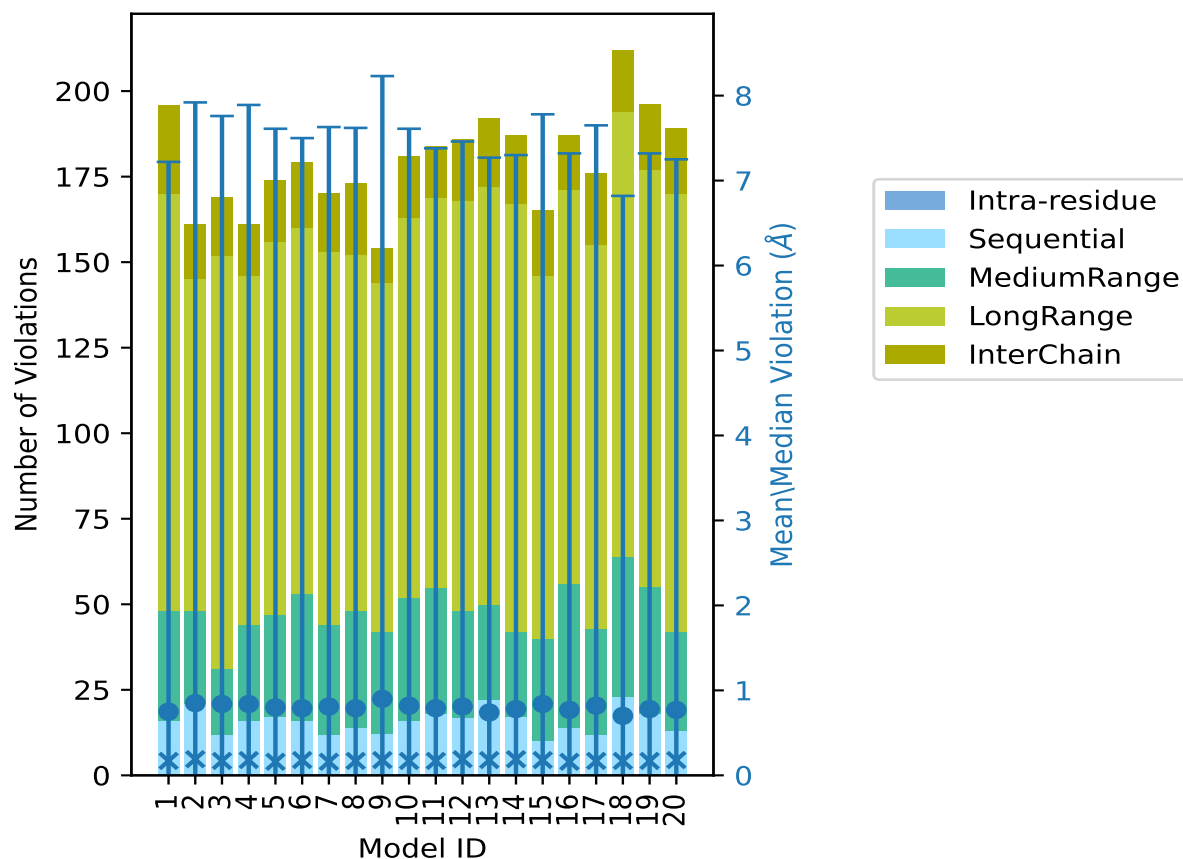
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Model ID	Number of violations						Mean (Å)	Max (Å)	SD ⁶ (Å)	Median (Å)
	IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total				
11	0	18	37	114	15	184	0.79	89.79	6.59	0.17
12	0	17	31	120	18	186	0.81	91.15	6.65	0.19
13	0	22	28	122	20	192	0.74	90.86	6.53	0.18
14	0	17	25	125	20	187	0.78	89.6	6.52	0.19
15	0	10	30	106	19	165	0.84	89.58	6.94	0.18
16	0	14	42	115	16	187	0.77	89.97	6.55	0.16
17	0	12	31	112	21	176	0.82	91.03	6.83	0.17
18	0	23	41	130	18	212	0.7	89.56	6.12	0.17
19	0	18	37	122	19	196	0.78	92.03	6.54	0.17
20	0	13	29	128	19	189	0.77	89.58	6.48	0.18

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

9.2.1 Bar graph : Distance Violation statistics for each model [\(i\)](#)



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

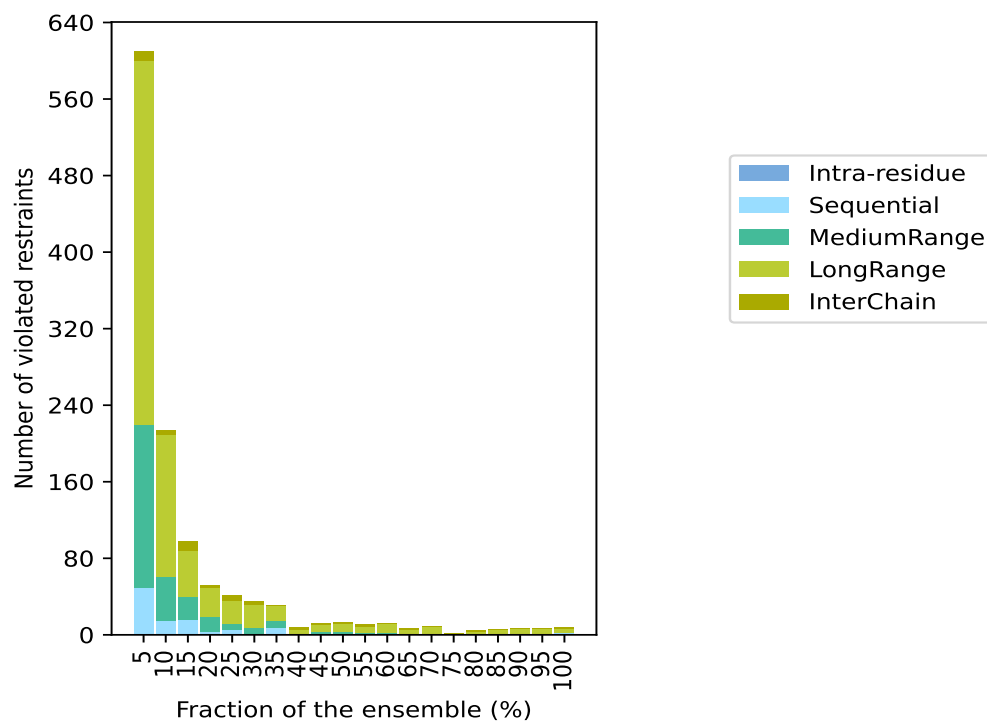
9.3 Distance violation statistics for the ensemble

Violation analysis may find that some restraints are violated in few models and some are violated in most of models. The following table provides this information as number of violated restraints for a given fraction of the ensemble. In total, 23054(IR:0, SQ:6699, MR:6527, LR:9799, IC:29) restraints are not violated in the ensemble.

Number of violated restraints						Fraction of the ensemble	
IR ¹	SQ ²	MR ³	LR ⁴	IC ⁵	Total	Count ⁶	%
0	49	171	380	10	610	1	5.0
0	15	46	148	5	214	2	10.0
0	16	24	48	10	98	3	15.0
0	3	16	30	3	52	4	20.0
0	5	6	25	6	42	5	25.0
0	1	6	24	4	35	6	30.0
0	7	8	15	1	31	7	35.0
0	1	0	4	3	8	8	40.0
0	1	2	7	2	12	9	45.0
0	1	2	8	2	13	10	50.0
0	1	1	6	3	11	11	55.0
0	0	2	10	0	12	12	60.0
0	0	1	4	2	7	13	65.0
0	0	1	7	1	9	14	70.0
0	0	1	0	1	2	15	75.0
0	0	0	3	2	5	16	80.0
0	0	0	5	1	6	17	85.0
0	0	0	7	0	7	18	90.0
0	1	0	6	0	7	19	95.0
0	2	0	4	2	8	20	100.0

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

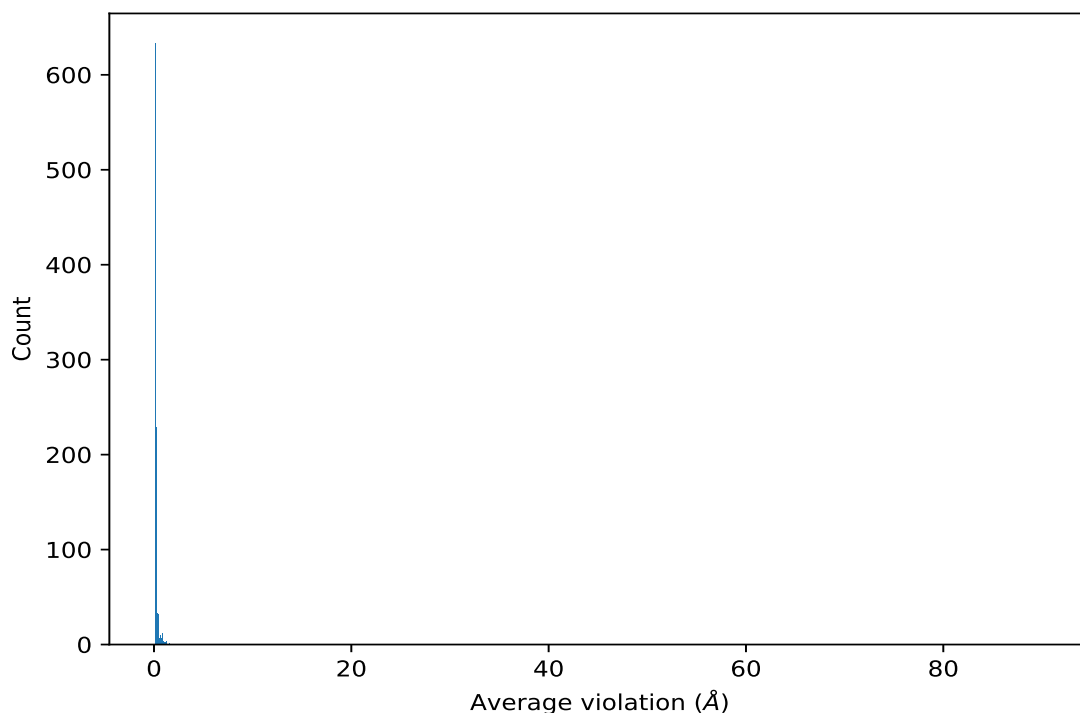
9.3.1 Bar graph : Distance violation statistics for the ensemble [i](#)



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

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

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



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

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

Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	20	90.41	0.77	90.27
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	20	1.24	0.24	1.25
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	20	0.57	0.21	0.55
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	20	0.54	0.12	0.55
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	20	0.35	0.04	0.36
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	20	0.35	0.15	0.32
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	20	0.34	0.04	0.35
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	20	0.32	0.12	0.29
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	20	0.32	0.12	0.29
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	20	0.32	0.12	0.29
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	20	0.32	0.12	0.29
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	20	0.32	0.12	0.29
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	20	0.32	0.12	0.29
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	20	0.32	0.12	0.29
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	20	0.32	0.12	0.29
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	20	0.32	0.12	0.29

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	19	1.22	0.27	1.26
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	19	1.16	0.3	1.3
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	19	0.89	0.25	0.88
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	19	0.73	0.32	0.73
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	19	0.48	0.09	0.49
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	19	0.43	0.22	0.43
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	19	0.39	0.14	0.42
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	18	1.35	0.26	1.38
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	18	1.21	0.39	1.33
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	18	1.17	0.29	1.14
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	18	0.95	0.32	0.96
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	18	0.73	0.35	0.72
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	18	0.22	0.06	0.23
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	18	0.2	0.04	0.18
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	18	0.2	0.04	0.18
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	18	0.2	0.04	0.18
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	18	0.2	0.04	0.18
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	17	0.7	0.3	0.65
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	17	0.4	0.35	0.26
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	17	0.36	0.15	0.33
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	17	0.27	0.1	0.24
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	17	0.27	0.1	0.24
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	17	0.27	0.1	0.24
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	17	0.27	0.1	0.24
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	17	0.27	0.1	0.24
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	17	0.27	0.1	0.24
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	17	0.27	0.1	0.24
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	17	0.27	0.1	0.24
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	17	0.27	0.1	0.24
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	17	0.24	0.1	0.21
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	17	0.18	0.06	0.15
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	16	0.85	0.76	0.46
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	16	0.85	0.76	0.46
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	16	0.85	0.76	0.46
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	16	0.85	0.76	0.46
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	16	0.85	0.76	0.46
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	16	0.85	0.76	0.46
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	16	0.85	0.76	0.46
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	16	0.85	0.76	0.46
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	16	0.85	0.76	0.46
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	16	0.77	0.32	0.8
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	16	0.7	0.3	0.68

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	16	0.33	0.09	0.33
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	16	0.33	0.09	0.33
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	16	0.33	0.09	0.33
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	16	0.33	0.09	0.33
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	16	0.33	0.09	0.33
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	16	0.33	0.09	0.33
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	16	0.18	0.05	0.18
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	16	0.18	0.05	0.18
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	16	0.18	0.05	0.18
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	16	0.18	0.05	0.18
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	15	0.53	0.32	0.45
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	15	0.4	0.17	0.41
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	15	0.4	0.17	0.41
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	15	0.4	0.17	0.41
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	15	0.4	0.17	0.41
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	15	0.4	0.17	0.41
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	15	0.4	0.17	0.41
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	15	0.4	0.17	0.41
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	15	0.4	0.17	0.41
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	15	0.4	0.17	0.41
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	14	0.78	0.5	0.68
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	14	0.7	0.33	0.76
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	14	0.49	0.23	0.47
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	14	0.43	0.26	0.35
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	14	0.38	0.27	0.24
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	14	0.26	0.1	0.23
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	14	0.24	0.08	0.22
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	14	0.24	0.08	0.22
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	14	0.24	0.08	0.24
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	14	0.24	0.08	0.24
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	14	0.24	0.08	0.24
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	14	0.2	0.06	0.2
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	14	0.2	0.06	0.2
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	14	0.2	0.06	0.2
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	13	0.71	0.45	0.81
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	13	0.36	0.31	0.24
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	13	0.35	0.18	0.28
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	13	0.34	0.19	0.3
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	13	0.26	0.16	0.2
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	13	0.26	0.16	0.2
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	13	0.26	0.16	0.2
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	13	0.23	0.08	0.19

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	13	0.23	0.08	0.19
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	13	0.23	0.08	0.19
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	13	0.23	0.08	0.19
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	13	0.23	0.08	0.19
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	13	0.23	0.08	0.19
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	13	0.23	0.08	0.19
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	13	0.23	0.08	0.19
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	13	0.23	0.08	0.19
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	13	0.22	0.11	0.19
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	13	0.22	0.11	0.19
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	12	0.59	0.26	0.65
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	12	0.48	0.23	0.49
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	12	0.37	0.19	0.32
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	12	0.3	0.11	0.32
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	12	0.24	0.1	0.25
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	12	0.24	0.1	0.25
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	12	0.24	0.1	0.25
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	12	0.24	0.1	0.25
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	12	0.24	0.1	0.25
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	12	0.24	0.1	0.25
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	12	0.23	0.05	0.24
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	12	0.23	0.05	0.24
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	12	0.23	0.05	0.24
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	12	0.2	0.09	0.15
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	12	0.2	0.09	0.15
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	12	0.2	0.09	0.15
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	12	0.2	0.09	0.15
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	12	0.18	0.05	0.16
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	12	0.18	0.05	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	12	0.18	0.05	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	12	0.18	0.05	0.16
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	12	0.17	0.04	0.16
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	12	0.17	0.04	0.16
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	12	0.17	0.04	0.16
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	12	0.17	0.04	0.16
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	12	0.17	0.04	0.16
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	12	0.17	0.04	0.16
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	12	0.14	0.04	0.13
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	12	0.14	0.04	0.13
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	12	0.14	0.03	0.14
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	12	0.14	0.03	0.14
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	12	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	12	0.14	0.03	0.14
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	11	0.77	0.37	0.78
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	11	0.76	0.36	0.79
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	11	0.64	0.61	0.43
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	11	0.64	0.61	0.43
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	11	0.64	0.61	0.43
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	11	0.64	0.61	0.43
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	11	0.64	0.61	0.43
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	11	0.64	0.61	0.43
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	11	0.64	0.61	0.43
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	11	0.64	0.61	0.43
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	11	0.64	0.61	0.43
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	11	0.49	0.11	0.49
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	11	0.45	0.22	0.41
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	11	0.45	0.22	0.41
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	11	0.45	0.22	0.41
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	11	0.45	0.22	0.41
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	11	0.45	0.22	0.41
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	11	0.45	0.22	0.41
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	11	0.45	0.22	0.41
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	11	0.45	0.22	0.41
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	11	0.45	0.22	0.41
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	11	0.24	0.12	0.22
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	11	0.24	0.12	0.22
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	11	0.24	0.12	0.22
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	11	0.24	0.12	0.22
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	11	0.24	0.12	0.22
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	11	0.24	0.12	0.22
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	11	0.24	0.12	0.22
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	11	0.24	0.12	0.22
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	11	0.24	0.12	0.22
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	11	0.18	0.05	0.2
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	11	0.18	0.05	0.2
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	11	0.16	0.04	0.16
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	11	0.16	0.04	0.16
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	11	0.16	0.04	0.16
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	11	0.15	0.04	0.15
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	11	0.15	0.04	0.15
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	11	0.14	0.03	0.14
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	11	0.14	0.03	0.14
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	11	0.14	0.03	0.14
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	11	0.14	0.03	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	11	0.13	0.02	0.13
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	11	0.13	0.02	0.13
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	10	0.74	0.31	0.73
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	10	0.66	0.55	0.37
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	10	0.23	0.08	0.26
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	10	0.23	0.07	0.2
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	10	0.23	0.07	0.2
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	10	0.23	0.07	0.2
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	10	0.23	0.07	0.2
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	10	0.23	0.07	0.2
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	10	0.23	0.07	0.2
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	10	0.2	0.05	0.2
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	10	0.2	0.05	0.2
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	10	0.19	0.12	0.14
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	10	0.19	0.12	0.14
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	10	0.19	0.12	0.14
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	10	0.19	0.12	0.14
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	10	0.19	0.05	0.18
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	10	0.19	0.05	0.18
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	10	0.19	0.05	0.18
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	10	0.19	0.07	0.17
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	10	0.19	0.07	0.17
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	10	0.18	0.06	0.16
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	10	0.18	0.06	0.16
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	10	0.18	0.06	0.16
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	10	0.18	0.06	0.16
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	10	0.18	0.06	0.16
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	10	0.18	0.06	0.16
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	10	0.18	0.06	0.16
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	10	0.18	0.06	0.16
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	10	0.18	0.06	0.16
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	10	0.17	0.07	0.15
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	10	0.17	0.07	0.15
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	10	0.17	0.07	0.15
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	10	0.17	0.07	0.15
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	10	0.17	0.07	0.15
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	10	0.17	0.07	0.15
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	10	0.17	0.07	0.15
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	10	0.17	0.07	0.15
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	10	0.17	0.07	0.15
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	10	0.16	0.04	0.16
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	10	0.14	0.04	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	10	0.14	0.03	0.14
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	10	0.14	0.03	0.14
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	10	0.14	0.03	0.14
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	9	1.0	0.52	0.92
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	9	0.58	0.31	0.56
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	9	0.58	0.31	0.56
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	9	0.24	0.05	0.25
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	9	0.24	0.05	0.25
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	9	0.24	0.05	0.25
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	9	0.22	0.09	0.19
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	9	0.22	0.09	0.19
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	9	0.22	0.09	0.19
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	9	0.22	0.09	0.19
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	9	0.22	0.09	0.19
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	9	0.22	0.09	0.19
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	9	0.22	0.09	0.19
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	9	0.22	0.09	0.19
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	9	0.22	0.09	0.19
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	9	0.2	0.07	0.19
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	9	0.2	0.07	0.19
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	9	0.2	0.07	0.18
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	9	0.2	0.07	0.18
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	9	0.2	0.07	0.18
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	9	0.18	0.05	0.16
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	9	0.18	0.05	0.16
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	9	0.18	0.06	0.17
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	9	0.18	0.06	0.17
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	9	0.18	0.06	0.17
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	9	0.18	0.06	0.17
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	9	0.17	0.06	0.16
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	9	0.17	0.06	0.16
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	9	0.17	0.06	0.16
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	9	0.15	0.03	0.15
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	9	0.15	0.03	0.15
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	9	0.14	0.03	0.14
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	9	0.14	0.03	0.14
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	9	0.14	0.03	0.14
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	9	0.14	0.03	0.14
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	9	0.14	0.03	0.14
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	9	0.14	0.03	0.14
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	9	0.13	0.02	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	9	0.13	0.02	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	9	0.13	0.02	0.13
(1,12550)	1:32:B:LEU:HD11	1:187:B:PHE:HB2	8	0.63	0.41	0.52
(1,8981)	1:500:A:SER:HB3	1:572:A:PRO:HB3	8	0.55	0.35	0.38
(1,8981)	1:500:A:SER:HB2	1:572:A:PRO:HB3	8	0.55	0.35	0.38
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE1	8	0.26	0.13	0.22
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE2	8	0.26	0.13	0.22
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE3	8	0.26	0.13	0.22
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE1	8	0.26	0.13	0.22
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE2	8	0.26	0.13	0.22
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE3	8	0.26	0.13	0.22
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE1	8	0.26	0.13	0.22
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE2	8	0.26	0.13	0.22
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE3	8	0.26	0.13	0.22
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB1	8	0.18	0.06	0.18
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB2	8	0.18	0.06	0.18
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB3	8	0.18	0.06	0.18
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB1	8	0.18	0.06	0.18
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB2	8	0.18	0.06	0.18
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB3	8	0.18	0.06	0.18
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB1	8	0.18	0.06	0.18
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB2	8	0.18	0.06	0.18
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB3	8	0.18	0.06	0.18
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD11	8	0.18	0.06	0.19
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD12	8	0.18	0.06	0.19
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD13	8	0.18	0.06	0.19
(1,4291)	1:191:A:TRP:HE1	1:192:A:ARG:HA	8	0.17	0.04	0.16
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG11	8	0.16	0.05	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG12	8	0.16	0.05	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG13	8	0.16	0.05	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG11	8	0.16	0.05	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG12	8	0.16	0.05	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG13	8	0.16	0.05	0.14
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD21	8	0.15	0.05	0.14
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD22	8	0.15	0.05	0.14
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD23	8	0.15	0.05	0.14
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD21	8	0.15	0.05	0.14
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD22	8	0.15	0.05	0.14
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD23	8	0.15	0.05	0.14
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD21	8	0.15	0.05	0.14
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD22	8	0.15	0.05	0.14
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD23	8	0.15	0.05	0.14
(1,2923)	1:118:A:GLN:HB2	1:294:A:LYS:HZ1	7	0.99	0.26	0.97

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,6271)	1:296:A:GLY:HA3	1:314:A:MET:H	7	0.91	0.3	1.04
(1,14999)	1:118:B:GLN:HA	1:294:B:LYS:HE3	7	0.74	0.38	0.63
(1,8043)	1:408:A:ASP:HB2	1:451:A:ARG:HH22	7	0.74	0.52	0.5
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB1	7	0.47	0.43	0.21
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB2	7	0.47	0.43	0.21
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB3	7	0.47	0.43	0.21
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB1	7	0.47	0.43	0.21
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB2	7	0.47	0.43	0.21
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB3	7	0.47	0.43	0.21
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB1	7	0.47	0.43	0.21
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB2	7	0.47	0.43	0.21
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB3	7	0.47	0.43	0.21
(1,20776)	1:464:B:ILE:HD11	1:467:B:TRP:HZ3	7	0.42	0.1	0.46
(1,20776)	1:464:B:ILE:HD12	1:467:B:TRP:HZ3	7	0.42	0.1	0.46
(1,20776)	1:464:B:ILE:HD13	1:467:B:TRP:HZ3	7	0.42	0.1	0.46
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE1	7	0.31	0.12	0.31
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE2	7	0.31	0.12	0.31
(1,4133)	1:182:A:GLU:HG3	1:183:A:GLY:H	7	0.24	0.08	0.23
(1,4133)	1:182:A:GLU:HG2	1:183:A:GLY:H	7	0.24	0.08	0.23
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG3	7	0.23	0.04	0.22
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG2	7	0.23	0.04	0.22
(1,8900)	1:497:A:VAL:HB	1:532:A:LEU:HA	7	0.21	0.08	0.21
(1,14768)	1:105:B:PHE:HZ	1:286:B:TRP:HH2	7	0.21	0.09	0.19
(1,18244)	1:286:B:TRP:HZ3	1:289:B:TRP:H	7	0.2	0.05	0.2
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD11	7	0.18	0.04	0.19
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD12	7	0.18	0.04	0.19
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD13	7	0.18	0.04	0.19
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD3	7	0.18	0.06	0.15
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD2	7	0.18	0.06	0.15
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD3	7	0.18	0.06	0.15
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD2	7	0.18	0.06	0.15
(1,22183)	1:538:B:ILE:H	1:568:B:PHE:HZ	7	0.18	0.04	0.2
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB3	7	0.18	0.06	0.17
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB2	7	0.18	0.06	0.17
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB3	7	0.18	0.06	0.17
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB2	7	0.18	0.06	0.17
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB3	7	0.18	0.06	0.17
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB2	7	0.18	0.06	0.17
(1,6122)	1:283:A:GLN:HG3	1:284:A:ALA:H	7	0.17	0.06	0.15
(1,6122)	1:283:A:GLN:HG2	1:284:A:ALA:H	7	0.17	0.06	0.15
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB1	7	0.17	0.05	0.17
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB2	7	0.17	0.05	0.17

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB3	7	0.17	0.05	0.17
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB1	7	0.17	0.05	0.17
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB2	7	0.17	0.05	0.17
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB3	7	0.17	0.05	0.17
(1,20858)	1:472:B:LEU:HD21	1:474:B:GLU:H	7	0.17	0.05	0.14
(1,20858)	1:472:B:LEU:HD22	1:474:B:GLU:H	7	0.17	0.05	0.14
(1,20858)	1:472:B:LEU:HD23	1:474:B:GLU:H	7	0.17	0.05	0.14
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG21	7	0.17	0.02	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG22	7	0.17	0.02	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG23	7	0.17	0.02	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG21	7	0.17	0.02	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG22	7	0.17	0.02	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG23	7	0.17	0.02	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG21	7	0.17	0.02	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG22	7	0.17	0.02	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG23	7	0.17	0.02	0.16
(1,17371)	1:234:B:TRP:HE1	1:235:B:THR:HB	7	0.17	0.04	0.19
(1,14779)	1:105:B:PHE:HD2	1:110:B:GLY:H	7	0.15	0.04	0.14
(1,18031)	1:276:B:SER:HB3	1:325:B:ILE:HB	7	0.15	0.04	0.16
(1,18031)	1:276:B:SER:HB2	1:325:B:ILE:HB	7	0.15	0.04	0.16
(1,22495)	1:548:B:THR:HA	1:560:B:LYS:HA	7	0.15	0.02	0.16
(1,17039)	1:213:B:ARG:HG3	1:221:B:VAL:H	7	0.15	0.04	0.14
(1,17039)	1:213:B:ARG:HG2	1:221:B:VAL:H	7	0.15	0.04	0.14
(1,18200)	1:283:B:GLN:HG3	1:284:B:ALA:H	7	0.15	0.04	0.14
(1,18200)	1:283:B:GLN:HG2	1:284:B:ALA:H	7	0.15	0.04	0.14
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG21	7	0.15	0.02	0.14
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG22	7	0.15	0.02	0.14
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG23	7	0.15	0.02	0.14
(1,11001)	1:574:A:HIS:HE1	1:575:A:VAL:HB	7	0.14	0.02	0.15
(1,14656)	1:98:B:ALA:H	1:99:B:LYS:H	7	0.14	0.03	0.14
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB3	7	0.14	0.03	0.14
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB2	7	0.14	0.03	0.14
(1,2109)	1:84:A:GLY:HA3	1:141:A:THR:HB	7	0.14	0.02	0.13
(1,2109)	1:84:A:GLY:HA2	1:141:A:THR:HB	7	0.14	0.02	0.13
(1,2928)	1:118:A:GLN:HG2	1:293:A:HIS:HE1	6	1.21	0.39	1.3
(1,15006)	1:118:B:GLN:HG2	1:293:B:HIS:HE1	6	1.18	0.5	1.39
(1,2921)	1:118:A:GLN:HA	1:294:A:LYS:HE3	6	0.8	0.41	0.7
(1,15001)	1:118:B:GLN:HB2	1:294:B:LYS:HZ1	6	0.77	0.38	0.66
(1,14998)	1:118:B:GLN:HE22	1:294:B:LYS:HB3	6	0.57	0.21	0.53
(1,2920)	1:118:A:GLN:HE22	1:294:A:LYS:HB3	6	0.45	0.17	0.36
(1,1981)	1:79:A:SER:HB2	1:224:A:TRP:HH2	6	0.42	0.22	0.36
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD11	6	0.28	0.08	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD12	6	0.28	0.08	0.3
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD13	6	0.28	0.08	0.3
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD11	6	0.28	0.08	0.3
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD12	6	0.28	0.08	0.3
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD13	6	0.28	0.08	0.3
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD11	6	0.28	0.08	0.3
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD12	6	0.28	0.08	0.3
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD13	6	0.28	0.08	0.3
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG11	6	0.24	0.12	0.21
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG12	6	0.24	0.12	0.21
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG13	6	0.24	0.12	0.21
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD21	6	0.24	0.07	0.23
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD22	6	0.24	0.07	0.23
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB3	6	0.22	0.08	0.21
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB2	6	0.22	0.08	0.21
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB3	6	0.22	0.08	0.21
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB2	6	0.22	0.08	0.21
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD11	6	0.22	0.05	0.22
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD12	6	0.22	0.05	0.22
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD13	6	0.22	0.05	0.22
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD11	6	0.22	0.05	0.22
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD12	6	0.22	0.05	0.22
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD13	6	0.22	0.05	0.22
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD11	6	0.22	0.05	0.22
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD12	6	0.22	0.05	0.22
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD13	6	0.22	0.05	0.22
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG3	6	0.2	0.06	0.2
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG2	6	0.2	0.06	0.2
(1,14707)	1:102:B:THR:HB	1:117:B:SER:HA	6	0.2	0.04	0.19
(1,8368)	1:432:A:TYR:H	1:482:A:SER:HA	6	0.19	0.07	0.18
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE21	6	0.18	0.07	0.17
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE22	6	0.18	0.07	0.17
(1,14708)	1:102:B:THR:HG21	1:117:B:SER:HA	6	0.18	0.05	0.17
(1,14708)	1:102:B:THR:HG22	1:117:B:SER:HA	6	0.18	0.05	0.17
(1,14708)	1:102:B:THR:HG23	1:117:B:SER:HA	6	0.18	0.05	0.17
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG11	6	0.18	0.05	0.18
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG12	6	0.18	0.05	0.18
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG13	6	0.18	0.05	0.18
(1,16369)	1:191:B:TRP:HE1	1:192:B:ARG:HA	6	0.18	0.05	0.18
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD3	6	0.18	0.04	0.16
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD2	6	0.18	0.04	0.16
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB1	6	0.18	0.07	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB2	6	0.18	0.07	0.16
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB3	6	0.18	0.07	0.16
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB1	6	0.18	0.07	0.16
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB2	6	0.18	0.07	0.16
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB3	6	0.18	0.07	0.16
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB1	6	0.18	0.07	0.16
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB2	6	0.18	0.07	0.16
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB3	6	0.18	0.07	0.16
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE21	6	0.18	0.02	0.18
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE22	6	0.18	0.02	0.18
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE21	6	0.18	0.02	0.18
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE22	6	0.18	0.02	0.18
(1,2630)	1:102:A:THR:HG21	1:117:A:SER:HA	6	0.17	0.08	0.13
(1,2630)	1:102:A:THR:HG22	1:117:A:SER:HA	6	0.17	0.08	0.13
(1,2630)	1:102:A:THR:HG23	1:117:A:SER:HA	6	0.17	0.08	0.13
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG21	6	0.17	0.05	0.16
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG22	6	0.17	0.05	0.16
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG23	6	0.17	0.05	0.16
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG21	6	0.17	0.05	0.16
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG22	6	0.17	0.05	0.16
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG23	6	0.17	0.05	0.16
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG21	6	0.17	0.05	0.16
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG22	6	0.17	0.05	0.16
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG23	6	0.17	0.05	0.16
(1,16260)	1:186:B:GLU:HA	1:191:B:TRP:HZ2	6	0.16	0.02	0.16
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD3	6	0.16	0.03	0.16
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD2	6	0.16	0.03	0.16
(1,8997)	1:500:A:SER:HB3	1:502:A:LYS:H	6	0.16	0.05	0.12
(1,8997)	1:500:A:SER:HB2	1:502:A:LYS:H	6	0.16	0.05	0.12
(1,2594)	1:99:A:LYS:HE3	1:101:A:GLY:H	6	0.15	0.03	0.15
(1,2594)	1:99:A:LYS:HE2	1:101:A:GLY:H	6	0.15	0.03	0.15
(1,9976)	1:535:A:THR:HA	1:574:A:HIS:HD2	6	0.15	0.04	0.15
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD3	6	0.15	0.04	0.14
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD2	6	0.15	0.04	0.14
(1,4664)	1:204:A:ILE:H	1:230:A:ALA:HA	6	0.15	0.03	0.15
(1,15619)	1:141:B:THR:HB	1:174:B:THR:HB	6	0.14	0.04	0.13
(1,10221)	1:541:A:THR:HA	1:567:A:ILE:HB	6	0.14	0.04	0.12
(1,5953)	1:276:A:SER:HB3	1:325:A:ILE:HB	6	0.14	0.04	0.12
(1,5953)	1:276:A:SER:HB2	1:325:A:ILE:HB	6	0.14	0.04	0.12
(1,14909)	1:112:B:ASP:HA	1:115:B:LYS:H	6	0.13	0.02	0.13
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB3	5	0.83	0.14	0.78
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB2	5	0.83	0.14	0.78

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,12079)	1:15:B:GLN:HG2	1:286:B:TRP:HB3	5	0.77	0.36	0.76
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG3	5	0.29	0.07	0.31
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG2	5	0.29	0.07	0.31
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD21	5	0.29	0.1	0.31
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD22	5	0.29	0.1	0.31
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD23	5	0.29	0.1	0.31
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD21	5	0.29	0.1	0.31
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD22	5	0.29	0.1	0.31
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD23	5	0.29	0.1	0.31
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD21	5	0.29	0.1	0.31
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD22	5	0.29	0.1	0.31
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD23	5	0.29	0.1	0.31
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG11	5	0.27	0.1	0.28
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG12	5	0.27	0.1	0.28
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG13	5	0.27	0.1	0.28
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG11	5	0.27	0.1	0.28
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG12	5	0.27	0.1	0.28
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG13	5	0.27	0.1	0.28
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG11	5	0.27	0.1	0.28
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG12	5	0.27	0.1	0.28
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG13	5	0.27	0.1	0.28
(1,6825)	1:322:A:ARG:HD3	1:323:A:GLY:H	5	0.27	0.07	0.25
(1,6825)	1:322:A:ARG:HD2	1:323:A:GLY:H	5	0.27	0.07	0.25
(1,13402)	1:63:B:LEU:HB2	1:207:B:PRO:HG3	5	0.25	0.08	0.26
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD11	5	0.25	0.07	0.26
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD12	5	0.25	0.07	0.26
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD13	5	0.25	0.07	0.26
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD11	5	0.25	0.07	0.26
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD12	5	0.25	0.07	0.26
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD13	5	0.25	0.07	0.26
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD11	5	0.25	0.07	0.26
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD12	5	0.25	0.07	0.26
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD13	5	0.25	0.07	0.26
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG3	5	0.24	0.1	0.22
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG2	5	0.24	0.1	0.22
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG3	5	0.2	0.05	0.19
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG2	5	0.2	0.05	0.19
(1,10417)	1:548:A:THR:HA	1:560:A:LYS:HA	5	0.19	0.05	0.2
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD3	5	0.19	0.06	0.21
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD2	5	0.19	0.06	0.21
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG11	5	0.19	0.04	0.22
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG12	5	0.19	0.04	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG13	5	0.19	0.04	0.22
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG11	5	0.19	0.04	0.22
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG12	5	0.19	0.04	0.22
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG13	5	0.19	0.04	0.22
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG11	5	0.19	0.04	0.22
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG12	5	0.19	0.04	0.22
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG13	5	0.19	0.04	0.22
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD11	5	0.18	0.07	0.15
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD12	5	0.18	0.07	0.15
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD13	5	0.18	0.07	0.15
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD11	5	0.18	0.07	0.15
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD12	5	0.18	0.07	0.15
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD13	5	0.18	0.07	0.15
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD11	5	0.18	0.07	0.15
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD12	5	0.18	0.07	0.15
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD13	5	0.18	0.07	0.15
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD11	5	0.18	0.04	0.17
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD12	5	0.18	0.04	0.17
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD13	5	0.18	0.04	0.17
(1,12173)	1:19:B:LEU:HA	1:257:B:PHE:HZ	5	0.17	0.04	0.17
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD21	5	0.17	0.06	0.13
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD22	5	0.17	0.06	0.13
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD23	5	0.17	0.06	0.13
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD21	5	0.17	0.06	0.13
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD22	5	0.17	0.06	0.13
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD23	5	0.17	0.06	0.13
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD11	5	0.17	0.03	0.18
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD12	5	0.17	0.03	0.18
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD13	5	0.17	0.03	0.18
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD11	5	0.17	0.03	0.18
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD12	5	0.17	0.03	0.18
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD13	5	0.17	0.03	0.18
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD11	5	0.17	0.03	0.18
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD12	5	0.17	0.03	0.18
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD13	5	0.17	0.03	0.18
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD11	5	0.17	0.05	0.15
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD12	5	0.17	0.05	0.15
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD13	5	0.17	0.05	0.15
(1,8989)	1:500:A:SER:HB3	1:530:A:HIS:HE1	5	0.16	0.03	0.17
(1,8989)	1:500:A:SER:HB2	1:530:A:HIS:HE1	5	0.16	0.03	0.17
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB1	5	0.15	0.04	0.13
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB2	5	0.15	0.04	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB3	5	0.15	0.04	0.13
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB1	5	0.15	0.04	0.13
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB2	5	0.15	0.04	0.13
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB3	5	0.15	0.04	0.13
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD21	5	0.15	0.06	0.12
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD22	5	0.15	0.06	0.12
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG11	5	0.15	0.02	0.15
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG12	5	0.15	0.02	0.15
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG13	5	0.15	0.02	0.15
(1,6248)	1:294:A:LYS:H	1:295:A:HIS:H	5	0.15	0.01	0.14
(1,4961)	1:213:A:ARG:HG3	1:221:A:VAL:H	5	0.15	0.04	0.13
(1,4961)	1:213:A:ARG:HG2	1:221:A:VAL:H	5	0.15	0.04	0.13
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD21	5	0.14	0.02	0.15
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD22	5	0.14	0.02	0.15
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD23	5	0.14	0.02	0.15
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD21	5	0.14	0.02	0.15
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD22	5	0.14	0.02	0.15
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD23	5	0.14	0.02	0.15
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD21	5	0.14	0.02	0.15
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD22	5	0.14	0.02	0.15
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD23	5	0.14	0.02	0.15
(1,18326)	1:294:B:LYS:H	1:295:B:HIS:H	5	0.14	0.03	0.13
(1,20926)	1:481:B:GLN:HE21	1:482:B:SER:H	5	0.14	0.02	0.14
(1,20926)	1:481:B:GLN:HE22	1:482:B:SER:H	5	0.14	0.02	0.14
(1,20881)	1:474:B:GLU:HG3	1:478:B:LYS:HA	5	0.14	0.04	0.12
(1,20881)	1:474:B:GLU:HG2	1:478:B:LYS:HA	5	0.14	0.04	0.12
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD11	5	0.14	0.04	0.14
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD12	5	0.14	0.04	0.14
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD13	5	0.14	0.04	0.14
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD11	5	0.14	0.04	0.14
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD12	5	0.14	0.04	0.14
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD13	5	0.14	0.04	0.14
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD11	5	0.14	0.04	0.14
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD12	5	0.14	0.04	0.14
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD13	5	0.14	0.04	0.14
(1,19738)	1:384:B:GLU:HA	1:467:B:TRP:HH2	5	0.14	0.04	0.11
(1,17906)	1:268:B:VAL:HG11	1:276:B:SER:H	5	0.14	0.01	0.13
(1,17906)	1:268:B:VAL:HG12	1:276:B:SER:H	5	0.14	0.01	0.13
(1,17906)	1:268:B:VAL:HG13	1:276:B:SER:H	5	0.14	0.01	0.13
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE1	5	0.14	0.03	0.12
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE2	5	0.14	0.03	0.12
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE1	5	0.14	0.03	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE2	5	0.14	0.03	0.12
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG21	5	0.13	0.02	0.13
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG22	5	0.13	0.02	0.13
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG23	5	0.13	0.02	0.13
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG3	5	0.13	0.01	0.14
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG2	5	0.13	0.01	0.14
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG21	5	0.13	0.03	0.12
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG22	5	0.13	0.03	0.12
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG23	5	0.13	0.03	0.12
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG21	5	0.13	0.03	0.12
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG22	5	0.13	0.03	0.12
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG23	5	0.13	0.03	0.12
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG21	5	0.13	0.03	0.12
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG22	5	0.13	0.03	0.12
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG23	5	0.13	0.03	0.12
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB3	5	0.13	0.04	0.11
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB2	5	0.13	0.04	0.11
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB3	5	0.13	0.04	0.11
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB2	5	0.13	0.04	0.11
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB3	5	0.13	0.04	0.11
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB2	5	0.13	0.04	0.11
(1,1835)	1:75:A:THR:HB	1:178:A:LEU:H	5	0.13	0.02	0.12
(1,10129)	1:539:A:VAL:H	1:603:A:ALA:HB3	5	0.13	0.02	0.12
(1,2742)	1:106:A:LEU:HD11	1:109:A:LEU:H	5	0.12	0.02	0.11
(1,2742)	1:106:A:LEU:HD12	1:109:A:LEU:H	5	0.12	0.02	0.11
(1,2742)	1:106:A:LEU:HD13	1:109:A:LEU:H	5	0.12	0.02	0.11
(1,4498)	1:198:A:SER:HA	1:201:A:SER:H	5	0.12	0.02	0.11
(1,5274)	1:234:A:TRP:HD1	1:276:A:SER:HA	5	0.12	0.01	0.12
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB3	4	1.04	0.08	1.01
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB2	4	1.04	0.08	1.01
(1,1702)	1:70:A:ASP:HB3	1:213:A:ARG:HH12	4	0.73	0.14	0.72
(1,18019)	1:276:B:SER:HB3	1:355:B:ARG:HG3	4	0.7	0.26	0.71
(1,18019)	1:276:B:SER:HB2	1:355:B:ARG:HG3	4	0.7	0.26	0.71
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG21	4	0.28	0.09	0.3
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG22	4	0.28	0.09	0.3
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG23	4	0.28	0.09	0.3
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG21	4	0.28	0.09	0.3
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG22	4	0.28	0.09	0.3
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG23	4	0.28	0.09	0.3
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG21	4	0.28	0.09	0.3
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG22	4	0.28	0.09	0.3
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG23	4	0.28	0.09	0.3

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG21	4	0.26	0.03	0.26
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG22	4	0.26	0.03	0.26
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG23	4	0.26	0.03	0.26
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG21	4	0.26	0.03	0.26
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG22	4	0.26	0.03	0.26
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG23	4	0.26	0.03	0.26
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG21	4	0.26	0.03	0.26
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG22	4	0.26	0.03	0.26
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG23	4	0.26	0.03	0.26
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE1	4	0.25	0.12	0.26
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE2	4	0.25	0.12	0.26
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE3	4	0.25	0.12	0.26
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE1	4	0.25	0.12	0.26
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE2	4	0.25	0.12	0.26
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE3	4	0.25	0.12	0.26
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE1	4	0.25	0.12	0.26
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE2	4	0.25	0.12	0.26
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE3	4	0.25	0.12	0.26
(1,8362)	1:431:A:TYR:HD1	1:456:A:GLU:H	4	0.25	0.11	0.24
(1,8362)	1:431:A:TYR:HD2	1:456:A:GLU:H	4	0.25	0.11	0.24
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE3	4	0.22	0.05	0.24
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE2	4	0.22	0.05	0.24
(1,6166)	1:286:A:TRP:HZ3	1:289:A:TRP:H	4	0.22	0.02	0.22
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD3	4	0.22	0.06	0.18
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD2	4	0.22	0.06	0.18
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD3	4	0.22	0.06	0.18
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD2	4	0.22	0.06	0.18
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD3	4	0.22	0.06	0.18
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD2	4	0.22	0.06	0.18
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD11	4	0.22	0.09	0.18
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD12	4	0.22	0.09	0.18
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD13	4	0.22	0.09	0.18
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD11	4	0.22	0.09	0.18
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD12	4	0.22	0.09	0.18
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD13	4	0.22	0.09	0.18
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD11	4	0.22	0.09	0.18
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD12	4	0.22	0.09	0.18
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD13	4	0.22	0.09	0.18
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD21	4	0.21	0.07	0.22
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD22	4	0.21	0.07	0.22
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD21	4	0.2	0.05	0.2
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD22	4	0.2	0.05	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,8597)	1:450:A:LEU:HA	1:455:A:ILE:HB	4	0.2	0.08	0.18
(1,18903)	1:322:B:ARG:HD3	1:323:B:GLY:H	4	0.2	0.06	0.22
(1,18903)	1:322:B:ARG:HD2	1:323:B:GLY:H	4	0.2	0.06	0.22
(1,20330)	1:424:B:LYS:HG3	1:455:B:ILE:HA	4	0.19	0.05	0.21
(1,20330)	1:424:B:LYS:HG2	1:455:B:ILE:HA	4	0.19	0.05	0.21
(1,20362)	1:427:B:GLN:HG3	1:429:B:LYS:H	4	0.19	0.04	0.2
(1,20362)	1:427:B:GLN:HG2	1:429:B:LYS:H	4	0.19	0.04	0.2
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD21	4	0.18	0.03	0.18
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD22	4	0.18	0.03	0.18
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG21	4	0.18	0.07	0.16
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG22	4	0.18	0.07	0.16
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG23	4	0.18	0.07	0.16
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG21	4	0.18	0.07	0.16
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG22	4	0.18	0.07	0.16
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG23	4	0.18	0.07	0.16
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG21	4	0.18	0.09	0.14
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG22	4	0.18	0.09	0.14
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG23	4	0.18	0.09	0.14
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG21	4	0.18	0.09	0.14
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG22	4	0.18	0.09	0.14
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG23	4	0.18	0.09	0.14
(1,9963)	1:534:A:ASP:HA	1:574:A:HIS:HA	4	0.18	0.06	0.16
(1,6231)	1:291:A:ARG:HA	1:293:A:HIS:HA	4	0.17	0.03	0.17
(1,10689)	1:560:A:LYS:HE3	1:566:A:TYR:H	4	0.17	0.04	0.16
(1,10689)	1:560:A:LYS:HE2	1:566:A:TYR:H	4	0.17	0.04	0.16
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB3	4	0.17	0.1	0.12
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB2	4	0.17	0.1	0.12
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB3	4	0.17	0.1	0.12
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB2	4	0.17	0.1	0.12
(1,20446)	1:432:B:TYR:H	1:482:B:SER:HA	4	0.17	0.07	0.14
(1,6259)	1:295:A:HIS:HE1	1:311:A:GLU:HA	4	0.16	0.04	0.17
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG21	4	0.16	0.02	0.17
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG22	4	0.16	0.02	0.17
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG23	4	0.16	0.02	0.17
(1,18309)	1:291:B:ARG:HA	1:293:B:HIS:HA	4	0.16	0.06	0.15
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG21	4	0.16	0.03	0.16
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG22	4	0.16	0.03	0.16
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG23	4	0.16	0.03	0.16
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG3	4	0.16	0.04	0.16
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG2	4	0.16	0.04	0.16
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG3	4	0.16	0.04	0.16
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG2	4	0.16	0.04	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,4182)	1:186:A:GLU:HA	1:191:A:TRP:HZ2	4	0.16	0.04	0.16
(1,8291)	1:428:A:GLU:HA	1:478:A:LYS:HA	4	0.16	0.04	0.16
(1,17409)	1:237:B:ASN:HD21	1:239:B:SER:H	4	0.16	0.03	0.17
(1,17409)	1:237:B:ASN:HD22	1:239:B:SER:H	4	0.16	0.03	0.17
(1,19993)	1:402:B:PHE:H	1:414:B:VAL:HB	4	0.16	0.02	0.16
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB3	4	0.15	0.03	0.16
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB2	4	0.15	0.03	0.16
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB3	4	0.15	0.03	0.16
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB2	4	0.15	0.03	0.16
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD21	4	0.15	0.05	0.12
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD22	4	0.15	0.05	0.12
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD23	4	0.15	0.05	0.12
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD21	4	0.15	0.05	0.12
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD22	4	0.15	0.05	0.12
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD23	4	0.15	0.05	0.12
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD21	4	0.15	0.05	0.12
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD22	4	0.15	0.05	0.12
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD23	4	0.15	0.05	0.12
(1,2629)	1:102:A:THR:HB	1:117:A:SER:HA	4	0.14	0.04	0.13
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD21	4	0.14	0.03	0.13
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD22	4	0.14	0.03	0.13
(1,20775)	1:464:B:ILE:HD11	1:467:B:TRP:HE3	4	0.14	0.05	0.12
(1,20775)	1:464:B:ILE:HD12	1:467:B:TRP:HE3	4	0.14	0.05	0.12
(1,20775)	1:464:B:ILE:HD13	1:467:B:TRP:HE3	4	0.14	0.05	0.12
(1,6645)	1:313:A:PHE:HZ	1:345:A:THR:HA	4	0.14	0.03	0.13
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD21	4	0.14	0.03	0.15
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD22	4	0.14	0.03	0.15
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD23	4	0.14	0.03	0.15
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE1	4	0.14	0.02	0.14
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE2	4	0.14	0.02	0.14
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE1	4	0.14	0.02	0.14
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE2	4	0.14	0.02	0.14
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA3	4	0.14	0.02	0.14
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA2	4	0.14	0.02	0.14
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA3	4	0.14	0.02	0.14
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA2	4	0.14	0.02	0.14
(1,14561)	1:95:B:GLY:HA3	1:99:B:LYS:H	4	0.14	0.02	0.15
(1,14561)	1:95:B:GLY:HA2	1:99:B:LYS:H	4	0.14	0.02	0.15
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD11	4	0.14	0.03	0.14
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD12	4	0.14	0.03	0.14
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD13	4	0.14	0.03	0.14
(1,22326)	1:541:B:THR:HG21	1:542:B:ASP:H	4	0.13	0.03	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,22326)	1:541:B:THR:HG22	1:542:B:ASP:H	4	0.13	0.03	0.13
(1,22326)	1:541:B:THR:HG23	1:542:B:ASP:H	4	0.13	0.03	0.13
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD21	4	0.13	0.03	0.12
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD22	4	0.13	0.03	0.12
(1,10587)	1:555:A:ALA:H	1:558:A:GLY:H	4	0.13	0.02	0.12
(1,6224)	1:290:A:ASN:HB3	1:292:A:ASP:H	4	0.12	0.02	0.12
(1,6224)	1:290:A:ASN:HB2	1:292:A:ASP:H	4	0.12	0.02	0.12
(1,14479)	1:93:B:HIS:HB3	1:119:B:LEU:HA	4	0.12	0.03	0.11
(1,14479)	1:93:B:HIS:HB2	1:119:B:LEU:HA	4	0.12	0.03	0.11
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE1	4	0.12	0.02	0.12
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE2	4	0.12	0.02	0.12
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE1	4	0.12	0.02	0.12
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE2	4	0.12	0.02	0.12
(1,12546)	1:32:B:LEU:HG	1:193:B:VAL:HG12	4	0.12	0.01	0.12
(1,13780)	1:70:B:ASP:HB3	1:213:B:ARG:HH12	3	0.75	0.35	0.72
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD11	3	0.46	0.22	0.42
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD12	3	0.46	0.22	0.42
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD13	3	0.46	0.22	0.42
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD11	3	0.46	0.22	0.42
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD12	3	0.46	0.22	0.42
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD13	3	0.46	0.22	0.42
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD11	3	0.46	0.22	0.42
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD12	3	0.46	0.22	0.42
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD13	3	0.46	0.22	0.42
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD11	3	0.35	0.19	0.26
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD12	3	0.35	0.19	0.26
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD13	3	0.35	0.19	0.26
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD11	3	0.35	0.19	0.26
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD12	3	0.35	0.19	0.26
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD13	3	0.35	0.19	0.26
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD11	3	0.35	0.19	0.26
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD12	3	0.35	0.19	0.26
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD13	3	0.35	0.19	0.26
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD11	3	0.28	0.13	0.37
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD12	3	0.28	0.13	0.37
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD13	3	0.28	0.13	0.37
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD11	3	0.28	0.13	0.37
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD12	3	0.28	0.13	0.37
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD13	3	0.28	0.13	0.37
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD11	3	0.28	0.13	0.37
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD12	3	0.28	0.13	0.37
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD13	3	0.28	0.13	0.37

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,7583)	1:380:A:LEU:HA	1:383:A:LYS:HD3	3	0.25	0.05	0.23
(1,7583)	1:380:A:LEU:HA	1:383:A:LYS:HD2	3	0.25	0.05	0.23
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD11	3	0.25	0.04	0.23
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD12	3	0.25	0.04	0.23
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD13	3	0.25	0.04	0.23
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD11	3	0.25	0.04	0.23
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD12	3	0.25	0.04	0.23
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD13	3	0.25	0.04	0.23
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD11	3	0.25	0.04	0.23
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD12	3	0.25	0.04	0.23
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD13	3	0.25	0.04	0.23
(1,18325)	1:294:B:LYS:HD3	1:309:B:ASP:HB3	3	0.22	0.03	0.2
(1,18325)	1:294:B:LYS:HD3	1:309:B:ASP:HB2	3	0.22	0.03	0.2
(1,18325)	1:294:B:LYS:HD2	1:309:B:ASP:HB3	3	0.22	0.03	0.2
(1,18325)	1:294:B:LYS:HD2	1:309:B:ASP:HB2	3	0.22	0.03	0.2
(1,10326)	1:546:A:MET:HB3	1:605:A:ARG:HD3	3	0.22	0.04	0.2
(1,10326)	1:546:A:MET:HB3	1:605:A:ARG:HD2	3	0.22	0.04	0.2
(1,10326)	1:546:A:MET:HB2	1:605:A:ARG:HD3	3	0.22	0.04	0.2
(1,10326)	1:546:A:MET:HB2	1:605:A:ARG:HD2	3	0.22	0.04	0.2
(1,11087)	1:577:A:VAL:HB	1:578:A:LYS:HG3	3	0.21	0.07	0.16
(1,11087)	1:577:A:VAL:HB	1:578:A:LYS:HG2	3	0.21	0.07	0.16
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD21	3	0.2	0.06	0.19
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD22	3	0.2	0.06	0.19
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD23	3	0.2	0.06	0.19
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD21	3	0.2	0.06	0.19
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD22	3	0.2	0.06	0.19
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD23	3	0.2	0.06	0.19
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD21	3	0.2	0.06	0.19
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD22	3	0.2	0.06	0.19
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD23	3	0.2	0.06	0.19
(1,230)	1:24:A:LEU:HA	1:128:A:TYR:HE1	3	0.2	0.03	0.21
(1,230)	1:24:A:LEU:HA	1:128:A:TYR:HE2	3	0.2	0.03	0.21
(1,2205)	1:86:A:THR:HB	1:87:A:ARG:H	3	0.2	0.03	0.19
(1,1676)	1:69:A:PHE:HA	1:77:A:THR:HB	3	0.2	0.02	0.19
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG21	3	0.2	0.12	0.12
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG22	3	0.2	0.12	0.12
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG23	3	0.2	0.12	0.12
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG21	3	0.2	0.12	0.12
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG22	3	0.2	0.12	0.12
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG23	3	0.2	0.12	0.12
(1,9026)	1:501:A:ALA:HA	1:502:A:LYS:HG3	3	0.2	0.07	0.21
(1,9026)	1:501:A:ALA:HA	1:502:A:LYS:HG2	3	0.2	0.07	0.21

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,5331)	1:237:A:ASN:HD21	1:239:A:SER:H	3	0.19	0.12	0.11
(1,5331)	1:237:A:ASN:HD22	1:239:A:SER:H	3	0.19	0.12	0.11
(1,18805)	1:317:B:TYR:HB3	1:385:B:GLY:H	3	0.19	0.08	0.16
(1,18805)	1:317:B:TYR:HB2	1:385:B:GLY:H	3	0.19	0.08	0.16
(1,19661)	1:380:B:LEU:HA	1:383:B:LYS:HD3	3	0.19	0.06	0.23
(1,19661)	1:380:B:LEU:HA	1:383:B:LYS:HD2	3	0.19	0.06	0.23
(1,22303)	1:541:B:THR:HA	1:566:B:TYR:HA	3	0.19	0.07	0.19
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD11	3	0.19	0.03	0.2
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD12	3	0.19	0.03	0.2
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD13	3	0.19	0.03	0.2
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD11	3	0.19	0.03	0.2
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD12	3	0.19	0.03	0.2
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD13	3	0.19	0.03	0.2
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD11	3	0.19	0.03	0.2
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD12	3	0.19	0.03	0.2
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD13	3	0.19	0.03	0.2
(1,14283)	1:86:B:THR:HB	1:87:B:ARG:H	3	0.18	0.1	0.12
(1,20466)	1:433:B:ILE:HA	1:482:B:SER:HA	3	0.18	0.01	0.17
(1,8848)	1:481:A:GLN:HE21	1:482:A:SER:H	3	0.18	0.07	0.15
(1,8848)	1:481:A:GLN:HE22	1:482:A:SER:H	3	0.18	0.07	0.15
(1,8921)	1:497:A:VAL:H	1:530:A:HIS:HB3	3	0.18	0.05	0.16
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG21	3	0.18	0.03	0.19
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG22	3	0.18	0.03	0.19
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG23	3	0.18	0.03	0.19
(1,9532)	1:518:A:LEU:HD11	1:519:A:LEU:HA	3	0.18	0.03	0.18
(1,9532)	1:518:A:LEU:HD12	1:519:A:LEU:HA	3	0.18	0.03	0.18
(1,9532)	1:518:A:LEU:HD13	1:519:A:LEU:HA	3	0.18	0.03	0.18
(1,2699)	1:105:A:PHE:HB3	1:112:A:ASP:H	3	0.17	0.01	0.18
(1,2699)	1:105:A:PHE:HB2	1:112:A:ASP:H	3	0.17	0.01	0.18
(1,21285)	1:509:B:THR:HB	1:513:B:ASP:H	3	0.17	0.02	0.16
(1,18335)	1:295:B:HIS:HE1	1:316:B:ASN:HD21	3	0.17	0.07	0.13
(1,18335)	1:295:B:HIS:HE1	1:316:B:ASN:HD22	3	0.17	0.07	0.13
(1,18803)	1:317:B:TYR:HB3	1:388:B:GLU:HB3	3	0.17	0.04	0.18
(1,18803)	1:317:B:TYR:HB3	1:388:B:GLU:HB2	3	0.17	0.04	0.18
(1,18803)	1:317:B:TYR:HB2	1:388:B:GLU:HB3	3	0.17	0.04	0.18
(1,18803)	1:317:B:TYR:HB2	1:388:B:GLU:HB2	3	0.17	0.04	0.18
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD11	3	0.17	0.07	0.13
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD12	3	0.17	0.07	0.13
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD13	3	0.17	0.07	0.13
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD11	3	0.17	0.07	0.13
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD12	3	0.17	0.07	0.13
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD13	3	0.17	0.07	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD11	3	0.17	0.07	0.13
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD12	3	0.17	0.07	0.13
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD13	3	0.17	0.07	0.13
(1,14749)	1:104:B:SER:HB3	1:106:B:LEU:H	3	0.17	0.07	0.14
(1,14749)	1:104:B:SER:HB2	1:106:B:LEU:H	3	0.17	0.07	0.14
(1,6703)	1:315:A:PRO:HG3	1:319:A:ARG:H	3	0.16	0.04	0.16
(1,6703)	1:315:A:PRO:HG2	1:319:A:ARG:H	3	0.16	0.04	0.16
(1,9207)	1:509:A:THR:HB	1:513:A:ASP:H	3	0.16	0.04	0.15
(1,19801)	1:387:B:ALA:H	1:467:B:TRP:HH2	3	0.16	0.05	0.15
(1,21042)	1:498:B:ASP:HA	1:499:B:GLU:HG3	3	0.16	0.02	0.16
(1,21042)	1:498:B:ASP:HA	1:499:B:GLU:HG2	3	0.16	0.02	0.16
(1,20774)	1:464:B:ILE:HA	1:467:B:TRP:HE3	3	0.16	0.03	0.16
(1,6725)	1:317:A:TYR:HB3	1:388:A:GLU:HB3	3	0.16	0.03	0.17
(1,6725)	1:317:A:TYR:HB3	1:388:A:GLU:HB2	3	0.16	0.03	0.17
(1,6725)	1:317:A:TYR:HB2	1:388:A:GLU:HB3	3	0.16	0.03	0.17
(1,6725)	1:317:A:TYR:HB2	1:388:A:GLU:HB2	3	0.16	0.03	0.17
(1,8864)	1:495:A:ASP:HA	1:530:A:HIS:HD2	3	0.16	0.05	0.13
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD21	3	0.16	0.05	0.13
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD22	3	0.16	0.05	0.13
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD23	3	0.16	0.05	0.13
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD21	3	0.16	0.05	0.13
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD22	3	0.16	0.05	0.13
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD23	3	0.16	0.05	0.13
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD21	3	0.16	0.05	0.13
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD22	3	0.16	0.05	0.13
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD23	3	0.16	0.05	0.13
(1,8411)	1:434:A:THR:HA	1:460:A:LEU:HB3	3	0.15	0.04	0.15
(1,8411)	1:434:A:THR:HA	1:460:A:LEU:HB2	3	0.15	0.04	0.15
(1,9598)	1:521:A:GLU:H	1:522:A:ARG:HG3	3	0.15	0.02	0.17
(1,9598)	1:521:A:GLU:H	1:522:A:ARG:HG2	3	0.15	0.02	0.17
(1,14672)	1:99:B:LYS:HE3	1:101:B:GLY:H	3	0.15	0.03	0.14
(1,14672)	1:99:B:LYS:HE2	1:101:B:GLY:H	3	0.15	0.03	0.14
(1,18278)	1:288:B:MET:HA	1:294:B:LYS:H	3	0.15	0.02	0.17
(1,20888)	1:474:B:GLU:HG3	1:475:B:PHE:H	3	0.15	0.04	0.14
(1,20888)	1:474:B:GLU:HG2	1:475:B:PHE:H	3	0.15	0.04	0.14
(1,8803)	1:474:A:GLU:HG3	1:478:A:LYS:HA	3	0.15	0.06	0.12
(1,8803)	1:474:A:GLU:HG2	1:478:A:LYS:HA	3	0.15	0.06	0.12
(1,11593)	1:599:A:GLN:HE21	1:614:A:PHE:HZ	3	0.15	0.04	0.13
(1,11593)	1:599:A:GLN:HE22	1:614:A:PHE:HZ	3	0.15	0.04	0.13
(1,20482)	1:434:B:THR:H	1:482:B:SER:HA	3	0.15	0.04	0.13
(1,8014)	1:405:A:THR:HG21	1:442:A:LYS:HG3	3	0.15	0.02	0.15
(1,8014)	1:405:A:THR:HG21	1:442:A:LYS:HG2	3	0.15	0.02	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,8014)	1:405:A:THR:HG22	1:442:A:LYS:HG3	3	0.15	0.02	0.15
(1,8014)	1:405:A:THR:HG22	1:442:A:LYS:HG2	3	0.15	0.02	0.15
(1,8014)	1:405:A:THR:HG23	1:442:A:LYS:HG3	3	0.15	0.02	0.15
(1,8014)	1:405:A:THR:HG23	1:442:A:LYS:HG2	3	0.15	0.02	0.15
(1,20827)	1:469:B:MET:HE1	1:473:B:THR:H	3	0.15	0.01	0.15
(1,20827)	1:469:B:MET:HE2	1:473:B:THR:H	3	0.15	0.01	0.15
(1,20827)	1:469:B:MET:HE3	1:473:B:THR:H	3	0.15	0.01	0.15
(1,5734)	1:263:A:TRP:HZ3	1:370:A:LYS:HZ3	3	0.15	0.03	0.13
(1,15416)	1:136:B:LYS:HG3	1:155:B:GLU:HG3	3	0.15	0.03	0.14
(1,15416)	1:136:B:LYS:HG3	1:155:B:GLU:HG2	3	0.15	0.03	0.14
(1,15416)	1:136:B:LYS:HG2	1:155:B:GLU:HG3	3	0.15	0.03	0.14
(1,15416)	1:136:B:LYS:HG2	1:155:B:GLU:HG2	3	0.15	0.03	0.14
(1,21660)	1:520:B:GLY:HA3	1:521:B:GLU:HG3	3	0.15	0.01	0.15
(1,21660)	1:520:B:GLY:HA3	1:521:B:GLU:HG2	3	0.15	0.01	0.15
(1,21660)	1:520:B:GLY:HA2	1:521:B:GLU:HG3	3	0.15	0.01	0.15
(1,21660)	1:520:B:GLY:HA2	1:521:B:GLU:HG2	3	0.15	0.01	0.15
(1,12421)	1:29:B:GLU:HA	1:187:B:PHE:HZ	3	0.14	0.02	0.15
(1,18316)	1:293:B:HIS:HE1	1:309:B:ASP:HB3	3	0.14	0.04	0.14
(1,18316)	1:293:B:HIS:HE1	1:309:B:ASP:HB2	3	0.14	0.04	0.14
(1,22054)	1:535:B:THR:HA	1:574:B:HIS:HD2	3	0.14	0.03	0.14
(1,23079)	1:574:B:HIS:HE1	1:575:B:VAL:HB	3	0.14	0.03	0.14
(1,7507)	1:375:A:TRP:HH2	1:383:A:LYS:HG3	3	0.14	0.01	0.14
(1,7507)	1:375:A:TRP:HH2	1:383:A:LYS:HG2	3	0.14	0.01	0.14
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG21	3	0.14	0.03	0.15
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG22	3	0.14	0.03	0.15
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG23	3	0.14	0.03	0.15
(1,10390)	1:547:A:SER:H	1:550:A:MET:HB3	3	0.14	0.02	0.14
(1,10390)	1:547:A:SER:H	1:550:A:MET:HB2	3	0.14	0.02	0.14
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD21	3	0.14	0.02	0.13
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD22	3	0.14	0.02	0.13
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD23	3	0.14	0.02	0.13
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG11	3	0.14	0.04	0.12
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG12	3	0.14	0.04	0.12
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG13	3	0.14	0.04	0.12
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG11	3	0.14	0.04	0.12
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG12	3	0.14	0.04	0.12
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG13	3	0.14	0.04	0.12
(1,21084)	1:501:B:ALA:HA	1:530:B:HIS:HE1	3	0.14	0.02	0.14
(1,20507)	1:436:B:ASP:HA	1:461:B:SER:HA	3	0.14	0.03	0.12
(1,23901)	1:610:B:ASP:HA	1:612:B:ASN:HD21	3	0.14	0.02	0.15
(1,23901)	1:610:B:ASP:HA	1:612:B:ASN:HD22	3	0.14	0.02	0.15
(1,6210)	1:289:A:TRP:HH2	1:381:A:VAL:HA	3	0.14	0.03	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,8612)	1:451:A:ARG:HA	1:455:A:ILE:H	3	0.14	0.02	0.12
(1,8970)	1:499:A:GLU:H	1:500:A:SER:H	3	0.14	0.02	0.14
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD11	3	0.14	0.01	0.13
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD12	3	0.14	0.01	0.13
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD13	3	0.14	0.01	0.13
(1,13222)	1:51:B:LEU:HB3	1:332:B:LEU:HG	3	0.13	0.03	0.12
(1,13222)	1:51:B:LEU:HB2	1:332:B:LEU:HG	3	0.13	0.03	0.12
(1,13913)	1:75:B:THR:HB	1:178:B:LEU:H	3	0.13	0.02	0.13
(1,19650)	1:380:B:LEU:HD22	1:464:B:ILE:H	3	0.13	0.02	0.13
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD11	3	0.13	0.04	0.11
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD12	3	0.13	0.04	0.11
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD13	3	0.13	0.04	0.11
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD11	3	0.13	0.04	0.11
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD12	3	0.13	0.04	0.11
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD13	3	0.13	0.04	0.11
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD11	3	0.13	0.04	0.11
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD12	3	0.13	0.04	0.11
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD13	3	0.13	0.04	0.11
(1,20354)	1:427:B:GLN:HG3	1:478:B:LYS:HG3	3	0.13	0.03	0.12
(1,20354)	1:427:B:GLN:HG3	1:478:B:LYS:HG2	3	0.13	0.03	0.12
(1,20354)	1:427:B:GLN:HG2	1:478:B:LYS:HG3	3	0.13	0.03	0.12
(1,20354)	1:427:B:GLN:HG2	1:478:B:LYS:HG2	3	0.13	0.03	0.12
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB1	3	0.13	0.03	0.12
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB2	3	0.13	0.03	0.12
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB3	3	0.13	0.03	0.12
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB1	3	0.13	0.03	0.12
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB2	3	0.13	0.03	0.12
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB3	3	0.13	0.03	0.12
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB1	3	0.13	0.03	0.12
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB2	3	0.13	0.03	0.12
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB3	3	0.13	0.03	0.12
(1,2701)	1:105:A:PHE:HD2	1:110:A:GLY:H	3	0.13	0.01	0.13
(1,12080)	1:15:B:GLN:HA	1:286:B:TRP:HD1	3	0.13	0.0	0.13
(1,16576)	1:198:B:SER:HA	1:201:B:SER:H	3	0.13	0.01	0.13
(1,327)	1:29:A:GLU:HA	1:196:A:ILE:HD12	3	0.13	0.02	0.12
(1,5631)	1:257:A:PHE:H	1:258:A:ASN:H	3	0.13	0.02	0.14
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD11	3	0.13	0.01	0.12
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD12	3	0.13	0.01	0.12
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD13	3	0.13	0.01	0.12
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD11	3	0.13	0.01	0.13
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD12	3	0.13	0.01	0.13
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD13	3	0.13	0.01	0.13

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD11	3	0.13	0.01	0.13
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD12	3	0.13	0.01	0.13
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD13	3	0.13	0.01	0.13
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD11	3	0.13	0.01	0.13
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD12	3	0.13	0.01	0.13
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD13	3	0.13	0.01	0.13
(1,6792)	1:320:A:PHE:HZ	1:374:A:PHE:HZ	3	0.12	0.02	0.11
(1,7749)	1:390:A:PHE:HE1	1:393:A:GLN:HE21	3	0.12	0.0	0.12
(1,7749)	1:390:A:PHE:HE1	1:393:A:GLN:HE22	3	0.12	0.0	0.12
(1,7749)	1:390:A:PHE:HE2	1:393:A:GLN:HE21	3	0.12	0.0	0.12
(1,7749)	1:390:A:PHE:HE2	1:393:A:GLN:HE22	3	0.12	0.0	0.12
(1,10275)	1:543:A:ALA:H	1:553:A:LEU:HB3	3	0.12	0.0	0.12
(1,10275)	1:543:A:ALA:H	1:553:A:LEU:HB2	3	0.12	0.0	0.12
(1,13695)	1:68:B:SER:HA	1:210:B:ILE:HD11	3	0.12	0.01	0.13
(1,14674)	1:99:B:LYS:HG3	1:101:B:GLY:HA3	3	0.12	0.02	0.11
(1,14674)	1:99:B:LYS:HG3	1:101:B:GLY:HA2	3	0.12	0.02	0.11
(1,14674)	1:99:B:LYS:HG2	1:101:B:GLY:HA3	3	0.12	0.02	0.11
(1,14674)	1:99:B:LYS:HG2	1:101:B:GLY:HA2	3	0.12	0.02	0.11
(1,20942)	1:495:B:ASP:HA	1:530:B:HIS:HD2	3	0.12	0.01	0.12
(1,22207)	1:539:B:VAL:H	1:603:B:ALA:HB3	3	0.12	0.0	0.12
(1,20019)	1:403:B:ALA:HA	1:414:B:VAL:HB	3	0.12	0.01	0.12
(1,22665)	1:555:B:ALA:H	1:558:B:GLY:H	3	0.12	0.02	0.11
(1,1023)	1:47:A:ARG:HE	1:63:A:LEU:H	3	0.12	0.01	0.12
(1,2578)	1:98:A:ALA:H	1:99:A:LYS:H	3	0.11	0.01	0.11
(1,10443)	1:549:A:GLN:HE21	1:554:A:PHE:HZ	3	0.11	0.0	0.11
(1,10443)	1:549:A:GLN:HE22	1:554:A:PHE:HZ	3	0.11	0.0	0.11
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD21	3	0.11	0.0	0.11
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD22	3	0.11	0.0	0.11
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD23	3	0.11	0.0	0.11
(1,13498)	1:65:B:VAL:HG13	1:206:B:LEU:HA	3	0.11	0.01	0.1
(1,17022)	1:212:B:LYS:HD3	1:213:B:ARG:H	3	0.1	0.0	0.1
(1,17022)	1:212:B:LYS:HD2	1:213:B:ARG:H	3	0.1	0.0	0.1
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD21	3	0.1	0.0	0.1
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD22	3	0.1	0.0	0.1
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD23	3	0.1	0.0	0.1
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD21	3	0.1	0.0	0.1
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD22	3	0.1	0.0	0.1
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD23	3	0.1	0.0	0.1
(1,13429)	1:64:B:ARG:HB3	1:226:B:LYS:HE2	2	1.55	0.0	1.55
(1,13429)	1:64:B:ARG:HB2	1:226:B:LYS:HE2	2	1.55	0.0	1.55
(1,1351)	1:64:A:ARG:HB3	1:226:A:LYS:HE2	2	0.9	0.74	0.9
(1,1351)	1:64:A:ARG:HB2	1:226:A:LYS:HE2	2	0.9	0.74	0.9

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,21104)	1:501:B:ALA:HA	1:502:B:LYS:HG3	2	0.33	0.04	0.33
(1,21104)	1:501:B:ALA:HA	1:502:B:LYS:HG2	2	0.33	0.04	0.33
(1,5585)	1:253:A:ILE:HD11	1:322:A:ARG:HD3	2	0.3	0.03	0.3
(1,5585)	1:253:A:ILE:HD11	1:322:A:ARG:HD2	2	0.3	0.03	0.3
(1,5585)	1:253:A:ILE:HD12	1:322:A:ARG:HD3	2	0.3	0.03	0.3
(1,5585)	1:253:A:ILE:HD12	1:322:A:ARG:HD2	2	0.3	0.03	0.3
(1,5585)	1:253:A:ILE:HD13	1:322:A:ARG:HD3	2	0.3	0.03	0.3
(1,5585)	1:253:A:ILE:HD13	1:322:A:ARG:HD2	2	0.3	0.03	0.3
(1,19654)	1:380:B:LEU:HA	1:462:B:ASP:HB3	2	0.29	0.02	0.29
(1,19654)	1:380:B:LEU:HA	1:462:B:ASP:HB2	2	0.29	0.02	0.29
(1,890)	1:44:A:ASP:HA	1:300:A:TYR:HE1	2	0.26	0.08	0.26
(1,11385)	1:591:A:GLU:HG3	1:592:A:TRP:HA	2	0.26	0.03	0.26
(1,11385)	1:591:A:GLU:HG2	1:592:A:TRP:HA	2	0.26	0.03	0.26
(1,19585)	1:375:B:TRP:HH2	1:383:B:LYS:HG3	2	0.26	0.06	0.26
(1,19585)	1:375:B:TRP:HH2	1:383:B:LYS:HG2	2	0.26	0.06	0.26
(1,2690)	1:105:A:PHE:HZ	1:286:A:TRP:HH2	2	0.26	0.03	0.26
(1,9922)	1:531:A:ARG:HA	1:532:A:LEU:HD21	2	0.26	0.08	0.26
(1,9922)	1:531:A:ARG:HA	1:532:A:LEU:HD22	2	0.26	0.08	0.26
(1,9922)	1:531:A:ARG:HA	1:532:A:LEU:HD23	2	0.26	0.08	0.26
(1,18323)	1:294:B:LYS:H	1:319:B:ARG:HD3	2	0.26	0.02	0.26
(1,18323)	1:294:B:LYS:H	1:319:B:ARG:HD2	2	0.26	0.02	0.26
(1,14758)	1:104:B:SER:HA	1:105:B:PHE:HD1	2	0.25	0.04	0.25
(1,14758)	1:104:B:SER:HA	1:105:B:PHE:HD2	2	0.25	0.04	0.25
(1,19768)	1:386:B:PRO:HB3	1:471:B:TYR:HB3	2	0.25	0.1	0.25
(1,19768)	1:386:B:PRO:HB3	1:471:B:TYR:HB2	2	0.25	0.1	0.25
(1,19768)	1:386:B:PRO:HB2	1:471:B:TYR:HB3	2	0.25	0.1	0.25
(1,19768)	1:386:B:PRO:HB2	1:471:B:TYR:HB2	2	0.25	0.1	0.25
(1,18821)	1:318:B:LEU:HA	1:382:B:LEU:HA	2	0.24	0.1	0.24
(1,5012)	1:215:A:GLU:HG3	1:220:A:THR:HB	2	0.24	0.06	0.24
(1,5012)	1:215:A:GLU:HG2	1:220:A:THR:HB	2	0.24	0.06	0.24
(1,8276)	1:427:A:GLN:HG3	1:478:A:LYS:HG3	2	0.24	0.11	0.24
(1,8276)	1:427:A:GLN:HG3	1:478:A:LYS:HG2	2	0.24	0.11	0.24
(1,8276)	1:427:A:GLN:HG2	1:478:A:LYS:HG3	2	0.24	0.11	0.24
(1,8276)	1:427:A:GLN:HG2	1:478:A:LYS:HG2	2	0.24	0.11	0.24
(1,20080)	1:405:B:THR:HG21	1:457:B:VAL:HB	2	0.24	0.02	0.24
(1,20080)	1:405:B:THR:HG22	1:457:B:VAL:HB	2	0.24	0.02	0.24
(1,20080)	1:405:B:THR:HG23	1:457:B:VAL:HB	2	0.24	0.02	0.24
(1,15907)	1:154:B:TRP:HZ2	1:162:B:TYR:HB3	2	0.24	0.05	0.24
(1,15907)	1:154:B:TRP:HZ2	1:162:B:TYR:HB2	2	0.24	0.05	0.24
(1,6714)	1:316:A:ASN:HB3	1:388:A:GLU:HG3	2	0.22	0.1	0.22
(1,6714)	1:316:A:ASN:HB3	1:388:A:GLU:HG2	2	0.22	0.1	0.22
(1,6714)	1:316:A:ASN:HB2	1:388:A:GLU:HG3	2	0.22	0.1	0.22

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,6714)	1:316:A:ASN:HB2	1:388:A:GLU:HG2	2	0.22	0.1	0.22
(1,23463)	1:591:B:GLU:HG3	1:592:B:TRP:HA	2	0.22	0.04	0.22
(1,23463)	1:591:B:GLU:HG2	1:592:B:TRP:HA	2	0.22	0.04	0.22
(1,7501)	1:375:A:TRP:HZ3	1:400:A:LEU:HA	2	0.22	0.08	0.22
(1,14647)	1:98:B:ALA:HA	1:154:B:TRP:HZ2	2	0.22	0.02	0.22
(1,5828)	1:268:A:VAL:HG11	1:276:A:SER:H	2	0.22	0.03	0.22
(1,5828)	1:268:A:VAL:HG12	1:276:A:SER:H	2	0.22	0.03	0.22
(1,5828)	1:268:A:VAL:HG13	1:276:A:SER:H	2	0.22	0.03	0.22
(1,20335)	1:424:B:LYS:H	1:427:B:GLN:HE21	2	0.22	0.02	0.22
(1,20335)	1:424:B:LYS:H	1:427:B:GLN:HE22	2	0.22	0.02	0.22
(1,13389)	1:61:B:GLY:H	1:62:B:GLU:HG3	2	0.22	0.02	0.22
(1,13389)	1:61:B:GLY:H	1:62:B:GLU:HG2	2	0.22	0.02	0.22
(1,24203)	1:317:A:TYR:HD1	2:29:C:LEU:HD21	2	0.22	0.04	0.22
(1,24203)	1:317:A:TYR:HD1	2:29:C:LEU:HD22	2	0.22	0.04	0.22
(1,24203)	1:317:A:TYR:HD1	2:29:C:LEU:HD23	2	0.22	0.04	0.22
(1,24203)	1:317:A:TYR:HD2	2:29:C:LEU:HD21	2	0.22	0.04	0.22
(1,24203)	1:317:A:TYR:HD2	2:29:C:LEU:HD22	2	0.22	0.04	0.22
(1,24203)	1:317:A:TYR:HD2	2:29:C:LEU:HD23	2	0.22	0.04	0.22
(1,5584)	1:253:A:ILE:HB	1:322:A:ARG:HD3	2	0.22	0.02	0.22
(1,5584)	1:253:A:ILE:HB	1:322:A:ARG:HD2	2	0.22	0.02	0.22
(1,12442)	1:30:B:ILE:HG13	1:257:B:PHE:HE2	2	0.22	0.02	0.22
(1,12442)	1:30:B:ILE:HG12	1:257:B:PHE:HE2	2	0.22	0.02	0.22
(1,19852)	1:393:B:GLN:HE21	1:471:B:TYR:HA	2	0.22	0.01	0.22
(1,19852)	1:393:B:GLN:HE22	1:471:B:TYR:HA	2	0.22	0.01	0.22
(1,18758)	1:314:B:MET:HB3	1:319:B:ARG:HA	2	0.21	0.03	0.21
(1,18758)	1:314:B:MET:HB2	1:319:B:ARG:HA	2	0.21	0.03	0.21
(1,8496)	1:441:A:ALA:HA	1:444:A:SER:HB3	2	0.2	0.03	0.2
(1,8496)	1:441:A:ALA:HA	1:444:A:SER:HB2	2	0.2	0.03	0.2
(1,8882)	1:496:A:GLU:HB3	1:532:A:LEU:HD21	2	0.2	0.08	0.2
(1,8882)	1:496:A:GLU:HB2	1:532:A:LEU:HD21	2	0.2	0.08	0.2
(1,14778)	1:105:B:PHE:HA	1:111:B:SER:H	2	0.2	0.06	0.2
(1,20378)	1:429:B:LYS:HD3	1:481:B:GLN:HB3	2	0.2	0.03	0.2
(1,20378)	1:429:B:LYS:HD3	1:481:B:GLN:HB2	2	0.2	0.03	0.2
(1,20378)	1:429:B:LYS:HD2	1:481:B:GLN:HB3	2	0.2	0.03	0.2
(1,20378)	1:429:B:LYS:HD2	1:481:B:GLN:HB2	2	0.2	0.03	0.2
(1,2811)	1:110:A:GLY:H	1:113:A:GLN:HE21	2	0.2	0.07	0.2
(1,2811)	1:110:A:GLY:H	1:113:A:GLN:HE22	2	0.2	0.07	0.2
(1,14967)	1:116:B:ASP:HA	1:119:B:LEU:HB3	2	0.2	0.05	0.2
(1,14967)	1:116:B:ASP:HA	1:119:B:LEU:HB2	2	0.2	0.05	0.2
(1,19135)	1:345:B:THR:HA	1:348:B:LEU:HB3	2	0.2	0.01	0.2
(1,19135)	1:345:B:THR:HA	1:348:B:LEU:HB2	2	0.2	0.01	0.2
(1,20332)	1:424:B:LYS:HG3	1:454:B:GLY:HA3	2	0.2	0.09	0.2

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,20332)	1:424:B:LYS:HG3	1:454:B:GLY:HA2	2	0.2	0.09	0.2
(1,20332)	1:424:B:LYS:HG2	1:454:B:GLY:HA3	2	0.2	0.09	0.2
(1,20332)	1:424:B:LYS:HG2	1:454:B:GLY:HA2	2	0.2	0.09	0.2
(1,6247)	1:294:A:LYS:HD3	1:309:A:ASP:HB3	2	0.2	0.09	0.2
(1,6247)	1:294:A:LYS:HD3	1:309:A:ASP:HB2	2	0.2	0.09	0.2
(1,6247)	1:294:A:LYS:HD2	1:309:A:ASP:HB3	2	0.2	0.09	0.2
(1,6247)	1:294:A:LYS:HD2	1:309:A:ASP:HB2	2	0.2	0.09	0.2
(1,9006)	1:501:A:ALA:HA	1:530:A:HIS:HE1	2	0.2	0.01	0.2
(1,9964)	1:534:A:ASP:HB3	1:574:A:HIS:HE1	2	0.2	0.09	0.2
(1,9964)	1:534:A:ASP:HB2	1:574:A:HIS:HE1	2	0.2	0.09	0.2
(1,17912)	1:268:B:VAL:HB	1:274:B:TYR:H	2	0.2	0.04	0.2
(1,24170)	1:464:A:ILE:HD11	2:24:C:MET:HE1	2	0.19	0.02	0.19
(1,24170)	1:464:A:ILE:HD11	2:24:C:MET:HE2	2	0.19	0.02	0.19
(1,24170)	1:464:A:ILE:HD11	2:24:C:MET:HE3	2	0.19	0.02	0.19
(1,24170)	1:464:A:ILE:HD12	2:24:C:MET:HE1	2	0.19	0.02	0.19
(1,24170)	1:464:A:ILE:HD12	2:24:C:MET:HE2	2	0.19	0.02	0.19
(1,24170)	1:464:A:ILE:HD12	2:24:C:MET:HE3	2	0.19	0.02	0.19
(1,24170)	1:464:A:ILE:HD13	2:24:C:MET:HE1	2	0.19	0.02	0.19
(1,24170)	1:464:A:ILE:HD13	2:24:C:MET:HE2	2	0.19	0.02	0.19
(1,24170)	1:464:A:ILE:HD13	2:24:C:MET:HE3	2	0.19	0.02	0.19
(1,7529)	1:376:A:GLN:HG3	1:412:A:GLN:HE21	2	0.18	0.06	0.18
(1,7529)	1:376:A:GLN:HG3	1:412:A:GLN:HE22	2	0.18	0.06	0.18
(1,7529)	1:376:A:GLN:HG2	1:412:A:GLN:HE21	2	0.18	0.06	0.18
(1,7529)	1:376:A:GLN:HG2	1:412:A:GLN:HE22	2	0.18	0.06	0.18
(1,8168)	1:419:A:TYR:HE2	1:478:A:LYS:HG3	2	0.18	0.04	0.18
(1,8168)	1:419:A:TYR:HE2	1:478:A:LYS:HG2	2	0.18	0.04	0.18
(1,8664)	1:460:A:LEU:HD21	1:465:A:ASP:HA	2	0.18	0.06	0.18
(1,8664)	1:460:A:LEU:HD22	1:465:A:ASP:HA	2	0.18	0.06	0.18
(1,8664)	1:460:A:LEU:HD23	1:465:A:ASP:HA	2	0.18	0.06	0.18
(1,9098)	1:505:A:GLU:HG3	1:530:A:HIS:HE1	2	0.18	0.02	0.18
(1,9098)	1:505:A:GLU:HG2	1:530:A:HIS:HE1	2	0.18	0.02	0.18
(1,11285)	1:588:A:LYS:HD3	1:592:A:TRP:HE1	2	0.18	0.02	0.18
(1,11285)	1:588:A:LYS:HD2	1:592:A:TRP:HE1	2	0.18	0.02	0.18
(1,18337)	1:295:B:HIS:HE1	1:311:B:GLU:HA	2	0.18	0.06	0.18
(1,18386)	1:297:B:LEU:HA	1:322:B:ARG:HD3	2	0.18	0.04	0.18
(1,18386)	1:297:B:LEU:HA	1:322:B:ARG:HD2	2	0.18	0.04	0.18
(1,22041)	1:534:B:ASP:HA	1:574:B:HIS:HA	2	0.18	0.04	0.18
(1,1324)	1:63:A:LEU:HB2	1:207:A:PRO:HG3	2	0.18	0.02	0.18
(1,5263)	1:234:A:TRP:HE1	1:303:A:ARG:HD3	2	0.18	0.02	0.18
(1,5263)	1:234:A:TRP:HE1	1:303:A:ARG:HD2	2	0.18	0.02	0.18
(1,10436)	1:549:A:GLN:HE21	1:605:A:ARG:HD3	2	0.18	0.07	0.18
(1,10436)	1:549:A:GLN:HE21	1:605:A:ARG:HD2	2	0.18	0.07	0.18

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,10436)	1:549:A:GLN:HE22	1:605:A:ARG:HD3	2	0.18	0.07	0.18
(1,10436)	1:549:A:GLN:HE22	1:605:A:ARG:HD2	2	0.18	0.07	0.18
(1,12293)	1:23:B:SER:HA	1:30:B:ILE:HD11	2	0.18	0.07	0.18
(1,12293)	1:23:B:SER:HA	1:30:B:ILE:HD12	2	0.18	0.07	0.18
(1,12293)	1:23:B:SER:HA	1:30:B:ILE:HD13	2	0.18	0.07	0.18
(1,14646)	1:98:B:ALA:H	1:154:B:TRP:HZ2	2	0.18	0.01	0.18
(1,14703)	1:102:B:THR:HG21	1:119:B:LEU:HB3	2	0.18	0.07	0.18
(1,14703)	1:102:B:THR:HG21	1:119:B:LEU:HB2	2	0.18	0.07	0.18
(1,14703)	1:102:B:THR:HG22	1:119:B:LEU:HB3	2	0.18	0.07	0.18
(1,14703)	1:102:B:THR:HG22	1:119:B:LEU:HB2	2	0.18	0.07	0.18
(1,14703)	1:102:B:THR:HG23	1:119:B:LEU:HB3	2	0.18	0.07	0.18
(1,14703)	1:102:B:THR:HG23	1:119:B:LEU:HB2	2	0.18	0.07	0.18
(1,20321)	1:423:B:MET:HA	1:427:B:GLN:HE21	2	0.18	0.01	0.18
(1,20321)	1:423:B:MET:HA	1:427:B:GLN:HE22	2	0.18	0.01	0.18
(1,23559)	1:595:B:LEU:HA	1:617:B:ARG:HD3	2	0.18	0.03	0.18
(1,23559)	1:595:B:LEU:HA	1:617:B:ARG:HD2	2	0.18	0.03	0.18
(1,102)	1:19:A:LEU:HD21	1:256:A:ASP:HA	2	0.18	0.0	0.18
(1,102)	1:19:A:LEU:HD22	1:256:A:ASP:HA	2	0.18	0.0	0.18
(1,102)	1:19:A:LEU:HD23	1:256:A:ASP:HA	2	0.18	0.0	0.18
(1,14187)	1:84:B:GLY:HA3	1:141:B:THR:HB	2	0.18	0.03	0.18
(1,14187)	1:84:B:GLY:HA2	1:141:B:THR:HB	2	0.18	0.03	0.18
(1,20574)	1:441:B:ALA:HA	1:444:B:SER:HB3	2	0.18	0.04	0.18
(1,20574)	1:441:B:ALA:HA	1:444:B:SER:HB2	2	0.18	0.04	0.18
(1,22299)	1:541:B:THR:HA	1:567:B:ILE:HB	2	0.17	0.0	0.17
(1,10550)	1:554:A:PHE:HE1	1:564:A:VAL:HG11	2	0.17	0.02	0.17
(1,10550)	1:554:A:PHE:HE1	1:564:A:VAL:HG12	2	0.17	0.02	0.17
(1,10550)	1:554:A:PHE:HE1	1:564:A:VAL:HG13	2	0.17	0.02	0.17
(1,10550)	1:554:A:PHE:HE2	1:564:A:VAL:HG11	2	0.17	0.02	0.17
(1,10550)	1:554:A:PHE:HE2	1:564:A:VAL:HG12	2	0.17	0.02	0.17
(1,10550)	1:554:A:PHE:HE2	1:564:A:VAL:HG13	2	0.17	0.02	0.17
(1,20978)	1:497:B:VAL:HB	1:532:B:LEU:HA	2	0.17	0.02	0.17
(1,2700)	1:105:A:PHE:HA	1:111:A:SER:H	2	0.16	0.04	0.16
(1,10676)	1:559:A:GLN:HA	1:560:A:LYS:H	2	0.16	0.04	0.16
(1,18802)	1:317:B:TYR:HB3	1:388:B:GLU:H	2	0.16	0.01	0.16
(1,18802)	1:317:B:TYR:HB2	1:388:B:GLU:H	2	0.16	0.01	0.16
(1,19655)	1:380:B:LEU:HD21	1:462:B:ASP:HB3	2	0.16	0.04	0.16
(1,19655)	1:380:B:LEU:HD21	1:462:B:ASP:HB2	2	0.16	0.04	0.16
(1,19655)	1:380:B:LEU:HD22	1:462:B:ASP:HB3	2	0.16	0.04	0.16
(1,19655)	1:380:B:LEU:HD22	1:462:B:ASP:HB2	2	0.16	0.04	0.16
(1,19655)	1:380:B:LEU:HD23	1:462:B:ASP:HB3	2	0.16	0.04	0.16
(1,19655)	1:380:B:LEU:HD23	1:462:B:ASP:HB2	2	0.16	0.04	0.16
(1,20634)	1:447:B:LEU:HA	1:457:B:VAL:HG11	2	0.16	0.01	0.16

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,20634)	1:447:B:LEU:HA	1:457:B:VAL:HG12	2	0.16	0.01	0.16
(1,20634)	1:447:B:LEU:HA	1:457:B:VAL:HG13	2	0.16	0.01	0.16
(1,22492)	1:548:B:THR:H	1:561:B:VAL:HG21	2	0.16	0.02	0.16
(1,22492)	1:548:B:THR:H	1:561:B:VAL:HG22	2	0.16	0.02	0.16
(1,22492)	1:548:B:THR:H	1:561:B:VAL:HG23	2	0.16	0.02	0.16
(1,11215)	1:584:A:GLU:HG3	1:585:A:ASP:HA	2	0.16	0.02	0.16
(1,11215)	1:584:A:GLU:HG2	1:585:A:ASP:HA	2	0.16	0.02	0.16
(1,20299)	1:422:B:ARG:HB3	1:456:B:GLU:HB3	2	0.16	0.04	0.16
(1,20299)	1:422:B:ARG:HB3	1:456:B:GLU:HB2	2	0.16	0.04	0.16
(1,20299)	1:422:B:ARG:HB2	1:456:B:GLU:HB3	2	0.16	0.04	0.16
(1,20299)	1:422:B:ARG:HB2	1:456:B:GLU:HB2	2	0.16	0.04	0.16
(1,6515)	1:302:A:GLN:HG3	1:328:A:SER:HA	2	0.16	0.02	0.16
(1,6515)	1:302:A:GLN:HG2	1:328:A:SER:HA	2	0.16	0.02	0.16
(1,7661)	1:384:A:GLU:HA	1:467:A:TRP:HZ3	2	0.16	0.03	0.16
(1,7941)	1:403:A:ALA:HA	1:414:A:VAL:HB	2	0.16	0.02	0.16
(1,17278)	1:231:B:GLN:HG3	1:235:B:THR:HG21	2	0.16	0.01	0.16
(1,17278)	1:231:B:GLN:HG3	1:235:B:THR:HG22	2	0.16	0.01	0.16
(1,17278)	1:231:B:GLN:HG3	1:235:B:THR:HG23	2	0.16	0.01	0.16
(1,17278)	1:231:B:GLN:HG2	1:235:B:THR:HG21	2	0.16	0.01	0.16
(1,17278)	1:231:B:GLN:HG2	1:235:B:THR:HG22	2	0.16	0.01	0.16
(1,17278)	1:231:B:GLN:HG2	1:235:B:THR:HG23	2	0.16	0.01	0.16
(1,18288)	1:289:B:TRP:HH2	1:381:B:VAL:HA	2	0.16	0.05	0.16
(1,20124)	1:408:B:ASP:HA	1:442:B:LYS:HE3	2	0.16	0.04	0.16
(1,20124)	1:408:B:ASP:HA	1:442:B:LYS:HE2	2	0.16	0.04	0.16
(1,18184)	1:282:B:SER:HA	1:374:B:PHE:HA	2	0.16	0.02	0.16
(1,7733)	1:388:A:GLU:H	1:396:A:ILE:HD11	2	0.16	0.02	0.16
(1,7733)	1:388:A:GLU:H	1:396:A:ILE:HD12	2	0.16	0.02	0.16
(1,7733)	1:388:A:GLU:H	1:396:A:ILE:HD13	2	0.16	0.02	0.16
(1,8259)	1:424:A:LYS:HG3	1:427:A:GLN:HE21	2	0.16	0.01	0.16
(1,8259)	1:424:A:LYS:HG3	1:427:A:GLN:HE22	2	0.16	0.01	0.16
(1,8259)	1:424:A:LYS:HG2	1:427:A:GLN:HE21	2	0.16	0.01	0.16
(1,8259)	1:424:A:LYS:HG2	1:427:A:GLN:HE22	2	0.16	0.01	0.16
(1,8428)	1:436:A:ASP:HA	1:463:A:ARG:HA	2	0.16	0.04	0.16
(1,16742)	1:204:B:ILE:H	1:230:B:ALA:HA	2	0.16	0.02	0.16
(1,17035)	1:213:B:ARG:HD3	1:222:B:ILE:HA	2	0.16	0.01	0.16
(1,17035)	1:213:B:ARG:HD2	1:222:B:ILE:HA	2	0.16	0.01	0.16
(1,19859)	1:393:B:GLN:HA	1:396:B:ILE:HB	2	0.16	0.02	0.16
(1,20266)	1:419:B:TYR:HA	1:422:B:ARG:HD3	2	0.16	0.02	0.16
(1,20266)	1:419:B:TYR:HA	1:422:B:ARG:HD2	2	0.16	0.02	0.16
(1,20587)	1:442:B:LYS:HA	1:459:B:LEU:HD21	2	0.16	0.05	0.16
(1,20587)	1:442:B:LYS:HA	1:459:B:LEU:HD22	2	0.16	0.05	0.16
(1,20587)	1:442:B:LYS:HA	1:459:B:LEU:HD23	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)
(1,20803)	1:467:B:TRP:HZ2	1:471:B:TYR:HE1	2	0.16	0.01	0.16
(1,20803)	1:467:B:TRP:HZ2	1:471:B:TYR:HE2	2	0.16	0.01	0.16
(1,20831)	1:469:B:MET:HA	1:472:B:LEU:HB3	2	0.16	0.05	0.16
(1,20831)	1:469:B:MET:HA	1:472:B:LEU:HB2	2	0.16	0.05	0.16
(1,24220)	1:455:B:ILE:HD11	2:103:C:VAL:HG11	2	0.16	0.01	0.16
(1,24220)	1:455:B:ILE:HD11	2:103:C:VAL:HG12	2	0.16	0.01	0.16
(1,24220)	1:455:B:ILE:HD11	2:103:C:VAL:HG13	2	0.16	0.01	0.16
(1,24220)	1:455:B:ILE:HD12	2:103:C:VAL:HG11	2	0.16	0.01	0.16
(1,24220)	1:455:B:ILE:HD12	2:103:C:VAL:HG12	2	0.16	0.01	0.16
(1,24220)	1:455:B:ILE:HD12	2:103:C:VAL:HG13	2	0.16	0.01	0.16
(1,24220)	1:455:B:ILE:HD13	2:103:C:VAL:HG11	2	0.16	0.01	0.16
(1,24220)	1:455:B:ILE:HD13	2:103:C:VAL:HG12	2	0.16	0.01	0.16
(1,24220)	1:455:B:ILE:HD13	2:103:C:VAL:HG13	2	0.16	0.01	0.16
(1,682)	1:37:A:SER:HA	1:252:A:HIS:HD2	2	0.15	0.02	0.15
(1,8607)	1:451:A:ARG:H	1:457:A:VAL:HG21	2	0.15	0.01	0.15
(1,8607)	1:451:A:ARG:H	1:457:A:VAL:HG22	2	0.15	0.01	0.15
(1,8607)	1:451:A:ARG:H	1:457:A:VAL:HG23	2	0.15	0.01	0.15
(1,18723)	1:313:B:PHE:HZ	1:345:B:THR:HA	2	0.15	0.01	0.15
(1,20783)	1:465:B:ASP:HA	1:469:B:MET:HG3	2	0.15	0.01	0.15
(1,20783)	1:465:B:ASP:HA	1:469:B:MET:HG2	2	0.15	0.01	0.15
(1,22497)	1:548:B:THR:HA	1:560:B:LYS:HB3	2	0.15	0.05	0.15
(1,22497)	1:548:B:THR:HA	1:560:B:LYS:HB2	2	0.15	0.05	0.15
(1,6351)	1:298:A:LYS:H	1:322:A:ARG:HD3	2	0.15	0.04	0.15
(1,6351)	1:298:A:LYS:H	1:322:A:ARG:HD2	2	0.15	0.04	0.15
(1,8931)	1:497:A:VAL:HB	1:530:A:HIS:HB3	2	0.15	0.0	0.15
(1,8931)	1:497:A:VAL:HB	1:530:A:HIS:HB2	2	0.15	0.0	0.15
(1,11861)	1:612:A:ASN:HA	1:615:A:ILE:HB	2	0.15	0.03	0.15
(1,13154)	1:48:B:PHE:HA	1:304:B:VAL:HG11	2	0.15	0.04	0.15
(1,13154)	1:48:B:PHE:HA	1:304:B:VAL:HG12	2	0.15	0.04	0.15
(1,13154)	1:48:B:PHE:HA	1:304:B:VAL:HG13	2	0.15	0.04	0.15
(1,14118)	1:81:B:ASN:HA	1:169:B:LYS:HZ2	2	0.15	0.04	0.15
(1,15413)	1:136:B:LYS:HG3	1:155:B:GLU:HA	2	0.15	0.03	0.15
(1,15413)	1:136:B:LYS:HG2	1:155:B:GLU:HA	2	0.15	0.03	0.15
(1,17311)	1:233:B:LEU:HD11	1:246:B:TYR:HA	2	0.15	0.04	0.15
(1,17311)	1:233:B:LEU:HD12	1:246:B:TYR:HA	2	0.15	0.04	0.15
(1,17311)	1:233:B:LEU:HD13	1:246:B:TYR:HA	2	0.15	0.04	0.15
(1,24182)	1:459:A:LEU:HD11	2:10:C:ILE:HD11	2	0.15	0.0	0.15
(1,24182)	1:459:A:LEU:HD11	2:10:C:ILE:HD12	2	0.15	0.0	0.15
(1,24182)	1:459:A:LEU:HD11	2:10:C:ILE:HD13	2	0.15	0.0	0.15
(1,24182)	1:459:A:LEU:HD12	2:10:C:ILE:HD11	2	0.15	0.0	0.15
(1,24182)	1:459:A:LEU:HD12	2:10:C:ILE:HD12	2	0.15	0.0	0.15
(1,24182)	1:459:A:LEU:HD12	2:10:C:ILE:HD13	2	0.15	0.0	0.15

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,24182)	1:459:A:LEU:HD13	2:10:C:ILE:HD11	2	0.15	0.0	0.15
(1,24182)	1:459:A:LEU:HD13	2:10:C:ILE:HD12	2	0.15	0.0	0.15
(1,24182)	1:459:A:LEU:HD13	2:10:C:ILE:HD13	2	0.15	0.0	0.15
(1,2103)	1:84:A:GLY:HA3	1:143:A:ALA:HA	2	0.15	0.02	0.15
(1,2103)	1:84:A:GLY:HA2	1:143:A:ALA:HA	2	0.15	0.02	0.15
(1,2401)	1:93:A:HIS:HB3	1:119:A:LEU:HA	2	0.15	0.0	0.15
(1,2401)	1:93:A:HIS:HB2	1:119:A:LEU:HA	2	0.15	0.0	0.15
(1,20091)	1:405:B:THR:HG21	1:442:B:LYS:HA	2	0.15	0.0	0.15
(1,20091)	1:405:B:THR:HG22	1:442:B:LYS:HA	2	0.15	0.0	0.15
(1,20091)	1:405:B:THR:HG23	1:442:B:LYS:HA	2	0.15	0.0	0.15
(1,21209)	1:506:B:LYS:HA	1:509:B:THR:HG21	2	0.14	0.03	0.14
(1,21209)	1:506:B:LYS:HA	1:509:B:THR:HG22	2	0.14	0.03	0.14
(1,21209)	1:506:B:LYS:HA	1:509:B:THR:HG23	2	0.14	0.03	0.14
(1,5583)	1:253:A:ILE:HD11	1:322:A:ARG:HB3	2	0.14	0.03	0.14
(1,5583)	1:253:A:ILE:HD11	1:322:A:ARG:HB2	2	0.14	0.03	0.14
(1,5583)	1:253:A:ILE:HD12	1:322:A:ARG:HB3	2	0.14	0.03	0.14
(1,5583)	1:253:A:ILE:HD12	1:322:A:ARG:HB2	2	0.14	0.03	0.14
(1,5583)	1:253:A:ILE:HD13	1:322:A:ARG:HB3	2	0.14	0.03	0.14
(1,5583)	1:253:A:ILE:HD13	1:322:A:ARG:HB2	2	0.14	0.03	0.14
(1,7761)	1:392:A:ASN:HA	1:396:A:ILE:H	2	0.14	0.01	0.14
(1,7903)	1:402:A:PHE:HD1	1:461:A:SER:H	2	0.14	0.01	0.14
(1,7903)	1:402:A:PHE:HD2	1:461:A:SER:H	2	0.14	0.01	0.14
(1,10634)	1:557:A:ALA:HA	1:561:A:VAL:HA	2	0.14	0.03	0.14
(1,14204)	1:85:B:MET:H	1:143:B:ALA:H	2	0.14	0.0	0.14
(1,14995)	1:117:B:SER:HA	1:118:B:GLN:HE21	2	0.14	0.03	0.14
(1,14995)	1:117:B:SER:HA	1:118:B:GLN:HE22	2	0.14	0.03	0.14
(1,17414)	1:237:B:ASN:HD21	1:238:B:LYS:H	2	0.14	0.04	0.14
(1,17414)	1:237:B:ASN:HD22	1:238:B:LYS:H	2	0.14	0.04	0.14
(1,19871)	1:394:B:GLU:HG3	1:398:B:LYS:HD3	2	0.14	0.01	0.14
(1,19871)	1:394:B:GLU:HG3	1:398:B:LYS:HD2	2	0.14	0.01	0.14
(1,19871)	1:394:B:GLU:HG2	1:398:B:LYS:HD3	2	0.14	0.01	0.14
(1,19871)	1:394:B:GLU:HG2	1:398:B:LYS:HD2	2	0.14	0.01	0.14
(1,22514)	1:549:B:GLN:HE21	1:605:B:ARG:HD3	2	0.14	0.02	0.14
(1,22514)	1:549:B:GLN:HE21	1:605:B:ARG:HD2	2	0.14	0.02	0.14
(1,22514)	1:549:B:GLN:HE22	1:605:B:ARG:HD3	2	0.14	0.02	0.14
(1,22514)	1:549:B:GLN:HE22	1:605:B:ARG:HD2	2	0.14	0.02	0.14
(1,23437)	1:591:B:GLU:HG3	1:617:B:ARG:HA	2	0.14	0.02	0.14
(1,23437)	1:591:B:GLU:HG2	1:617:B:ARG:HA	2	0.14	0.02	0.14
(1,95)	1:19:A:LEU:HA	1:257:A:PHE:HZ	2	0.14	0.01	0.14
(1,1163)	1:51:A:LEU:HA	1:54:A:PRO:HG3	2	0.14	0.01	0.14
(1,1163)	1:51:A:LEU:HA	1:54:A:PRO:HG2	2	0.14	0.01	0.14
(1,4620)	1:203:A:HIS:HB2	1:248:A:GLU:H	2	0.14	0.02	0.14

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,5841)	1:268:A:VAL:HB	1:272:A:GLN:HB3	2	0.14	0.01	0.14
(1,5841)	1:268:A:VAL:HB	1:272:A:GLN:HB2	2	0.14	0.01	0.14
(1,8015)	1:405:A:THR:HA	1:408:A:ASP:HA	2	0.14	0.02	0.14
(1,12586)	1:33:B:ARG:HH21	1:257:B:PHE:HD1	2	0.14	0.02	0.14
(1,12586)	1:33:B:ARG:HH21	1:257:B:PHE:HD2	2	0.14	0.02	0.14
(1,12586)	1:33:B:ARG:HH22	1:257:B:PHE:HD1	2	0.14	0.02	0.14
(1,12586)	1:33:B:ARG:HH22	1:257:B:PHE:HD2	2	0.14	0.02	0.14
(1,14347)	1:89:B:GLU:HA	1:92:B:ASP:H	2	0.14	0.02	0.14
(1,17341)	1:234:B:TRP:HE1	1:303:B:ARG:HD3	2	0.14	0.04	0.14
(1,17341)	1:234:B:TRP:HE1	1:303:B:ARG:HD2	2	0.14	0.04	0.14
(1,17789)	1:262:B:THR:HB	1:370:B:LYS:HD3	2	0.14	0.01	0.14
(1,17789)	1:262:B:THR:HB	1:370:B:LYS:HD2	2	0.14	0.01	0.14
(1,17950)	1:272:B:GLN:HB3	1:348:B:LEU:HD21	2	0.14	0.01	0.14
(1,17950)	1:272:B:GLN:HB3	1:348:B:LEU:HD22	2	0.14	0.01	0.14
(1,17950)	1:272:B:GLN:HB3	1:348:B:LEU:HD23	2	0.14	0.01	0.14
(1,17950)	1:272:B:GLN:HB2	1:348:B:LEU:HD21	2	0.14	0.01	0.14
(1,17950)	1:272:B:GLN:HB2	1:348:B:LEU:HD22	2	0.14	0.01	0.14
(1,17950)	1:272:B:GLN:HB2	1:348:B:LEU:HD23	2	0.14	0.01	0.14
(1,19737)	1:384:B:GLU:HA	1:467:B:TRP:HE3	2	0.14	0.01	0.14
(1,20875)	1:474:B:GLU:HA	1:479:B:PRO:HA	2	0.14	0.02	0.14
(1,22471)	1:547:B:SER:HA	1:550:B:MET:HE1	2	0.14	0.02	0.14
(1,22471)	1:547:B:SER:HA	1:550:B:MET:HE2	2	0.14	0.02	0.14
(1,22471)	1:547:B:SER:HA	1:550:B:MET:HE3	2	0.14	0.02	0.14
(1,22602)	1:552:B:LYS:H	1:553:B:LEU:HD21	2	0.14	0.01	0.14
(1,22602)	1:552:B:LYS:H	1:553:B:LEU:HD22	2	0.14	0.01	0.14
(1,22602)	1:552:B:LYS:H	1:553:B:LEU:HD23	2	0.14	0.01	0.14
(1,23944)	1:612:B:ASN:HB3	1:614:B:PHE:H	2	0.14	0.04	0.14
(1,24196)	1:457:A:VAL:HG21	2:6:C:LEU:HD21	2	0.14	0.01	0.14
(1,24196)	1:457:A:VAL:HG21	2:6:C:LEU:HD22	2	0.14	0.01	0.14
(1,24196)	1:457:A:VAL:HG21	2:6:C:LEU:HD23	2	0.14	0.01	0.14
(1,24196)	1:457:A:VAL:HG22	2:6:C:LEU:HD21	2	0.14	0.01	0.14
(1,24196)	1:457:A:VAL:HG22	2:6:C:LEU:HD22	2	0.14	0.01	0.14
(1,24196)	1:457:A:VAL:HG22	2:6:C:LEU:HD23	2	0.14	0.01	0.14
(1,24196)	1:457:A:VAL:HG23	2:6:C:LEU:HD21	2	0.14	0.01	0.14
(1,24196)	1:457:A:VAL:HG23	2:6:C:LEU:HD22	2	0.14	0.01	0.14
(1,24196)	1:457:A:VAL:HG23	2:6:C:LEU:HD23	2	0.14	0.01	0.14
(1,884)	1:44:A:ASP:HB3	1:305:A:PHE:HA	2	0.13	0.02	0.13
(1,884)	1:44:A:ASP:HB2	1:305:A:PHE:HA	2	0.13	0.02	0.13
(1,1947)	1:78:A:ILE:HG23	1:208:A:VAL:HG12	2	0.13	0.02	0.13
(1,2680)	1:104:A:SER:HA	1:105:A:PHE:HD1	2	0.13	0.03	0.13
(1,2680)	1:104:A:SER:HA	1:105:A:PHE:HD2	2	0.13	0.03	0.13
(1,2895)	1:116:A:ASP:H	1:118:A:GLN:HB3	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)
(1,2895)	1:116:A:ASP:H	1:118:A:GLN:HB2	2	0.13	0.02	0.13
(1,6694)	1:315:A:PRO:HG3	1:353:A:THR:HA	2	0.13	0.0	0.13
(1,6694)	1:315:A:PRO:HG2	1:353:A:THR:HA	2	0.13	0.0	0.13
(1,7348)	1:365:A:LYS:HE3	1:398:A:LYS:HE3	2	0.13	0.02	0.13
(1,7348)	1:365:A:LYS:HE3	1:398:A:LYS:HE2	2	0.13	0.02	0.13
(1,7348)	1:365:A:LYS:HE2	1:398:A:LYS:HE3	2	0.13	0.02	0.13
(1,7348)	1:365:A:LYS:HE2	1:398:A:LYS:HE2	2	0.13	0.02	0.13
(1,7493)	1:375:A:TRP:HZ2	1:402:A:PHE:HA	2	0.13	0.01	0.13
(1,12526)	1:32:B:LEU:HB3	1:200:B:TYR:HE1	2	0.13	0.01	0.13
(1,12526)	1:32:B:LEU:HB2	1:200:B:TYR:HE1	2	0.13	0.01	0.13
(1,13129)	1:48:B:PHE:HE1	1:334:B:VAL:HG11	2	0.13	0.0	0.13
(1,14777)	1:105:B:PHE:HB3	1:112:B:ASP:H	2	0.13	0.02	0.13
(1,14777)	1:105:B:PHE:HB2	1:112:B:ASP:H	2	0.13	0.02	0.13
(1,14872)	1:109:B:LEU:H	1:112:B:ASP:HB3	2	0.13	0.02	0.13
(1,14872)	1:109:B:LEU:H	1:112:B:ASP:HB2	2	0.13	0.02	0.13
(1,15692)	1:142:B:ARG:HG3	1:146:B:GLU:HB3	2	0.13	0.0	0.13
(1,15692)	1:142:B:ARG:HG3	1:146:B:GLU:HB2	2	0.13	0.0	0.13
(1,15692)	1:142:B:ARG:HG2	1:146:B:GLU:HB3	2	0.13	0.0	0.13
(1,15692)	1:142:B:ARG:HG2	1:146:B:GLU:HB2	2	0.13	0.0	0.13
(1,16696)	1:203:B:HIS:HD2	1:249:B:PHE:HD1	2	0.13	0.03	0.13
(1,16696)	1:203:B:HIS:HD2	1:249:B:PHE:HD2	2	0.13	0.03	0.13
(1,17661)	1:253:B:ILE:HD11	1:322:B:ARG:HB3	2	0.13	0.01	0.13
(1,17661)	1:253:B:ILE:HD11	1:322:B:ARG:HB2	2	0.13	0.01	0.13
(1,17661)	1:253:B:ILE:HD12	1:322:B:ARG:HB3	2	0.13	0.01	0.13
(1,17661)	1:253:B:ILE:HD12	1:322:B:ARG:HB2	2	0.13	0.01	0.13
(1,17661)	1:253:B:ILE:HD13	1:322:B:ARG:HB3	2	0.13	0.01	0.13
(1,17661)	1:253:B:ILE:HD13	1:322:B:ARG:HB2	2	0.13	0.01	0.13
(1,18429)	1:298:B:LYS:H	1:322:B:ARG:HD3	2	0.13	0.02	0.13
(1,18429)	1:298:B:LYS:H	1:322:B:ARG:HD2	2	0.13	0.02	0.13
(1,334)	1:29:A:GLU:HB3	1:196:A:ILE:HG21	2	0.12	0.01	0.12
(1,334)	1:29:A:GLU:HB3	1:196:A:ILE:HG22	2	0.12	0.01	0.12
(1,334)	1:29:A:GLU:HB3	1:196:A:ILE:HG23	2	0.12	0.01	0.12
(1,334)	1:29:A:GLU:HB2	1:196:A:ILE:HG21	2	0.12	0.01	0.12
(1,334)	1:29:A:GLU:HB2	1:196:A:ILE:HG22	2	0.12	0.01	0.12
(1,334)	1:29:A:GLU:HB2	1:196:A:ILE:HG23	2	0.12	0.01	0.12
(1,1481)	1:66:A:ARG:HH11	1:222:A:ILE:HG23	2	0.12	0.02	0.12
(1,1481)	1:66:A:ARG:HH12	1:222:A:ILE:HG23	2	0.12	0.02	0.12
(1,2793)	1:109:A:LEU:HD11	1:112:A:ASP:HA	2	0.12	0.01	0.12
(1,2793)	1:109:A:LEU:HD12	1:112:A:ASP:HA	2	0.12	0.01	0.12
(1,2793)	1:109:A:LEU:HD13	1:112:A:ASP:HA	2	0.12	0.01	0.12
(1,6161)	1:286:A:TRP:HZ3	1:290:A:ASN:HA	2	0.12	0.02	0.12
(1,8404)	1:434:A:THR:H	1:482:A:SER:HA	2	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,8407)	1:434:A:THR:HA	1:465:A:ASP:HB3	2	0.12	0.02	0.12
(1,8407)	1:434:A:THR:HA	1:465:A:ASP:HB2	2	0.12	0.02	0.12
(1,8638)	1:456:A:GLU:HG3	1:458:A:LEU:H	2	0.12	0.02	0.12
(1,8638)	1:456:A:GLU:HG2	1:458:A:LEU:H	2	0.12	0.02	0.12
(1,8644)	1:456:A:GLU:HG3	1:457:A:VAL:H	2	0.12	0.02	0.12
(1,8644)	1:456:A:GLU:HG2	1:457:A:VAL:H	2	0.12	0.02	0.12
(1,9320)	1:512:A:ILE:HB	1:526:A:VAL:HB	2	0.12	0.02	0.12
(1,10386)	1:547:A:SER:HA	1:552:A:LYS:HD3	2	0.12	0.01	0.12
(1,10386)	1:547:A:SER:HA	1:552:A:LYS:HD2	2	0.12	0.01	0.12
(1,16785)	1:205:B:ALA:HA	1:230:B:ALA:HA	2	0.12	0.02	0.12
(1,17812)	1:263:B:TRP:HZ3	1:370:B:LYS:HZ3	2	0.12	0.01	0.12
(1,17919)	1:268:B:VAL:HB	1:272:B:GLN:HB3	2	0.12	0.02	0.12
(1,17919)	1:268:B:VAL:HB	1:272:B:GLN:HB2	2	0.12	0.02	0.12
(1,17967)	1:273:B:GLU:HG3	1:328:B:SER:H	2	0.12	0.02	0.12
(1,17967)	1:273:B:GLU:HG2	1:328:B:SER:H	2	0.12	0.02	0.12
(1,18243)	1:286:B:TRP:HE3	1:289:B:TRP:H	2	0.12	0.02	0.12
(1,18334)	1:295:B:HIS:HE1	1:316:B:ASN:HA	2	0.12	0.02	0.12
(1,18792)	1:316:B:ASN:HB3	1:388:B:GLU:HG3	2	0.12	0.01	0.12
(1,18792)	1:316:B:ASN:HB3	1:388:B:GLU:HG2	2	0.12	0.01	0.12
(1,18792)	1:316:B:ASN:HB2	1:388:B:GLU:HG3	2	0.12	0.01	0.12
(1,18792)	1:316:B:ASN:HB2	1:388:B:GLU:HG2	2	0.12	0.01	0.12
(1,21028)	1:498:B:ASP:HA	1:532:B:LEU:HD11	2	0.12	0.01	0.12
(1,21756)	1:524:B:LYS:H	1:567:B:ILE:HA	2	0.12	0.02	0.12
(1,22444)	1:547:B:SER:HA	1:564:B:VAL:HA	2	0.12	0.02	0.12
(1,22521)	1:549:B:GLN:HE21	1:554:B:PHE:HZ	2	0.12	0.02	0.12
(1,22521)	1:549:B:GLN:HE22	1:554:B:PHE:HZ	2	0.12	0.02	0.12
(1,22566)	1:551:B:ALA:H	1:553:B:LEU:HD21	2	0.12	0.01	0.12
(1,22566)	1:551:B:ALA:H	1:553:B:LEU:HD22	2	0.12	0.01	0.12
(1,22566)	1:551:B:ALA:H	1:553:B:LEU:HD23	2	0.12	0.01	0.12
(1,22589)	1:552:B:LYS:HD3	1:554:B:PHE:H	2	0.12	0.02	0.12
(1,22589)	1:552:B:LYS:HD2	1:554:B:PHE:H	2	0.12	0.02	0.12
(1,10305)	1:545:A:GLU:HA	1:604:A:GLU:HG3	2	0.12	0.02	0.12
(1,10305)	1:545:A:GLU:HA	1:604:A:GLU:HG2	2	0.12	0.02	0.12
(1,15691)	1:142:B:ARG:HD3	1:146:B:GLU:HB3	2	0.12	0.02	0.12
(1,15691)	1:142:B:ARG:HD3	1:146:B:GLU:HB2	2	0.12	0.02	0.12
(1,15691)	1:142:B:ARG:HD2	1:146:B:GLU:HB3	2	0.12	0.02	0.12
(1,15691)	1:142:B:ARG:HD2	1:146:B:GLU:HB2	2	0.12	0.02	0.12
(1,17352)	1:234:B:TRP:HD1	1:276:B:SER:HA	2	0.12	0.02	0.12
(1,6352)	1:298:A:LYS:HG3	1:322:A:ARG:HD3	2	0.12	0.01	0.12
(1,6352)	1:298:A:LYS:HG3	1:322:A:ARG:HD2	2	0.12	0.01	0.12
(1,6352)	1:298:A:LYS:HG2	1:322:A:ARG:HD3	2	0.12	0.01	0.12
(1,6352)	1:298:A:LYS:HG2	1:322:A:ARG:HD2	2	0.12	0.01	0.12

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Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,12377)	1:28:B:LYS:HA	1:187:B:PHE:HZ	2	0.12	0.01	0.12
(1,13815)	1:70:B:ASP:HA	1:71:B:LYS:HG3	2	0.12	0.01	0.12
(1,13815)	1:70:B:ASP:HA	1:71:B:LYS:HG2	2	0.12	0.01	0.12
(1,14838)	1:107:B:GLU:HA	1:113:B:GLN:HE21	2	0.12	0.01	0.12
(1,14838)	1:107:B:GLU:HA	1:113:B:GLN:HE22	2	0.12	0.01	0.12
(1,14897)	1:111:B:SER:H	1:114:B:ALA:H	2	0.12	0.01	0.12
(1,18293)	1:289:B:TRP:HZ2	1:380:B:LEU:HB3	2	0.12	0.01	0.12
(1,18293)	1:289:B:TRP:HZ2	1:380:B:LEU:HB2	2	0.12	0.01	0.12
(1,20198)	1:416:B:LEU:HB3	1:475:B:PHE:HZ	2	0.12	0.01	0.12
(1,20198)	1:416:B:LEU:HB2	1:475:B:PHE:HZ	2	0.12	0.01	0.12
(1,21548)	1:516:B:LYS:HE3	1:520:B:GLY:HA3	2	0.12	0.01	0.12
(1,21548)	1:516:B:LYS:HE3	1:520:B:GLY:HA2	2	0.12	0.01	0.12
(1,21548)	1:516:B:LYS:HE2	1:520:B:GLY:HA3	2	0.12	0.01	0.12
(1,21548)	1:516:B:LYS:HE2	1:520:B:GLY:HA2	2	0.12	0.01	0.12
(1,22680)	1:556:B:ALA:HA	1:562:B:PRO:HG3	2	0.12	0.01	0.12
(1,22680)	1:556:B:ALA:HA	1:562:B:PRO:HG2	2	0.12	0.01	0.12
(1,15406)	1:136:B:LYS:HA	1:157:B:ALA:HA	2	0.12	0.02	0.12
(1,21727)	1:523:B:VAL:HA	1:560:B:LYS:HE3	2	0.12	0.02	0.12
(1,21727)	1:523:B:VAL:HA	1:560:B:LYS:HE2	2	0.12	0.02	0.12
(1,2040)	1:81:A:ASN:HA	1:169:A:LYS:HZ2	2	0.12	0.0	0.12
(1,2636)	1:102:A:THR:HA	1:107:A:GLU:HB3	2	0.12	0.0	0.12
(1,2636)	1:102:A:THR:HA	1:107:A:GLU:HB2	2	0.12	0.0	0.12
(1,6173)	1:287:A:ASP:HB3	1:294:A:LYS:HB3	2	0.12	0.0	0.12
(1,6173)	1:287:A:ASP:HB3	1:294:A:LYS:HB2	2	0.12	0.0	0.12
(1,6173)	1:287:A:ASP:HB2	1:294:A:LYS:HB3	2	0.12	0.0	0.12
(1,6173)	1:287:A:ASP:HB2	1:294:A:LYS:HB2	2	0.12	0.0	0.12
(1,6686)	1:314:A:MET:HB3	1:316:A:ASN:HA	2	0.12	0.0	0.12
(1,6686)	1:314:A:MET:HB2	1:316:A:ASN:HA	2	0.12	0.0	0.12
(1,7528)	1:376:A:GLN:HA	1:412:A:GLN:HE21	2	0.12	0.0	0.12
(1,7528)	1:376:A:GLN:HA	1:412:A:GLN:HE22	2	0.12	0.0	0.12
(1,10160)	1:539:A:VAL:HG11	1:568:A:PHE:HA	2	0.12	0.0	0.12
(1,10160)	1:539:A:VAL:HG12	1:568:A:PHE:HA	2	0.12	0.0	0.12
(1,10160)	1:539:A:VAL:HG13	1:568:A:PHE:HA	2	0.12	0.0	0.12
(1,13234)	1:51:B:LEU:HD21	1:304:B:VAL:HG11	2	0.12	0.0	0.12
(1,13234)	1:51:B:LEU:HD21	1:304:B:VAL:HG12	2	0.12	0.0	0.12
(1,13234)	1:51:B:LEU:HD21	1:304:B:VAL:HG13	2	0.12	0.0	0.12
(1,13234)	1:51:B:LEU:HD22	1:304:B:VAL:HG11	2	0.12	0.0	0.12
(1,13234)	1:51:B:LEU:HD22	1:304:B:VAL:HG12	2	0.12	0.0	0.12
(1,13234)	1:51:B:LEU:HD22	1:304:B:VAL:HG13	2	0.12	0.0	0.12
(1,13234)	1:51:B:LEU:HD23	1:304:B:VAL:HG11	2	0.12	0.0	0.12
(1,13234)	1:51:B:LEU:HD23	1:304:B:VAL:HG12	2	0.12	0.0	0.12
(1,13234)	1:51:B:LEU:HD23	1:304:B:VAL:HG13	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)
(1,17306)	1:233:B:LEU:HD11	1:249:B:PHE:H	2	0.12	0.0	0.12
(1,17306)	1:233:B:LEU:HD12	1:249:B:PHE:H	2	0.12	0.0	0.12
(1,17306)	1:233:B:LEU:HD13	1:249:B:PHE:H	2	0.12	0.0	0.12
(1,18302)	1:290:B:ASN:HB3	1:292:B:ASP:H	2	0.12	0.0	0.12
(1,18302)	1:290:B:ASN:HB2	1:292:B:ASP:H	2	0.12	0.0	0.12
(1,18647)	1:307:B:MET:HE1	1:334:B:VAL:HG11	2	0.12	0.0	0.12
(1,18647)	1:307:B:MET:HE1	1:334:B:VAL:HG12	2	0.12	0.0	0.12
(1,18647)	1:307:B:MET:HE1	1:334:B:VAL:HG13	2	0.12	0.0	0.12
(1,18647)	1:307:B:MET:HE2	1:334:B:VAL:HG11	2	0.12	0.0	0.12
(1,18647)	1:307:B:MET:HE2	1:334:B:VAL:HG12	2	0.12	0.0	0.12
(1,18647)	1:307:B:MET:HE2	1:334:B:VAL:HG13	2	0.12	0.0	0.12
(1,18647)	1:307:B:MET:HE3	1:334:B:VAL:HG11	2	0.12	0.0	0.12
(1,18647)	1:307:B:MET:HE3	1:334:B:VAL:HG12	2	0.12	0.0	0.12
(1,18647)	1:307:B:MET:HE3	1:334:B:VAL:HG13	2	0.12	0.0	0.12
(1,807)	1:41:A:ASP:HA	1:44:A:ASP:HB3	2	0.11	0.01	0.11
(1,807)	1:41:A:ASP:HA	1:44:A:ASP:HB2	2	0.11	0.01	0.11
(1,2687)	1:105:A:PHE:HE1	1:290:A:ASN:HD21	2	0.11	0.0	0.11
(1,2687)	1:105:A:PHE:HE1	1:290:A:ASN:HD22	2	0.11	0.0	0.11
(1,2687)	1:105:A:PHE:HE2	1:290:A:ASN:HD21	2	0.11	0.0	0.11
(1,2687)	1:105:A:PHE:HE2	1:290:A:ASN:HD22	2	0.11	0.0	0.11
(1,12426)	1:29:B:GLU:HB3	1:187:B:PHE:HE1	2	0.11	0.01	0.11
(1,12426)	1:29:B:GLU:HB3	1:187:B:PHE:HE2	2	0.11	0.01	0.11
(1,12426)	1:29:B:GLU:HB2	1:187:B:PHE:HE1	2	0.11	0.01	0.11
(1,12426)	1:29:B:GLU:HB2	1:187:B:PHE:HE2	2	0.11	0.01	0.11
(1,14871)	1:109:B:LEU:HD11	1:112:B:ASP:HA	2	0.11	0.0	0.11
(1,14871)	1:109:B:LEU:HD12	1:112:B:ASP:HA	2	0.11	0.0	0.11
(1,14871)	1:109:B:LEU:HD13	1:112:B:ASP:HA	2	0.11	0.0	0.11
(1,18592)	1:302:B:GLN:HA	1:328:B:SER:HA	2	0.11	0.0	0.11
(1,18720)	1:313:B:PHE:HA	1:348:B:LEU:HB3	2	0.11	0.0	0.11
(1,18720)	1:313:B:PHE:HA	1:348:B:LEU:HB2	2	0.11	0.0	0.11
(1,20478)	1:433:B:ILE:HB	1:447:B:LEU:HD21	2	0.11	0.0	0.11
(1,20478)	1:433:B:ILE:HB	1:447:B:LEU:HD22	2	0.11	0.0	0.11
(1,20478)	1:433:B:ILE:HB	1:447:B:LEU:HD23	2	0.11	0.0	0.11
(1,22714)	1:557:B:ALA:H	1:561:B:VAL:HB	2	0.11	0.01	0.11
(1,507)	1:33:A:ARG:HH11	1:257:A:PHE:HB3	2	0.11	0.0	0.11
(1,507)	1:33:A:ARG:HH11	1:257:A:PHE:HB2	2	0.11	0.0	0.11
(1,507)	1:33:A:ARG:HH12	1:257:A:PHE:HB3	2	0.11	0.0	0.11
(1,507)	1:33:A:ARG:HH12	1:257:A:PHE:HB2	2	0.11	0.0	0.11
(1,1528)	1:67:A:VAL:H	1:224:A:TRP:HZ3	2	0.11	0.0	0.11
(1,5190)	1:230:A:ALA:H	1:236:A:ARG:HH11	2	0.11	0.0	0.11
(1,21439)	1:514:B:ARG:HB3	1:589:B:PHE:HZ	2	0.11	0.0	0.11
(1,21439)	1:514:B:ARG:HB2	1:589:B:PHE:HZ	2	0.11	0.0	0.11

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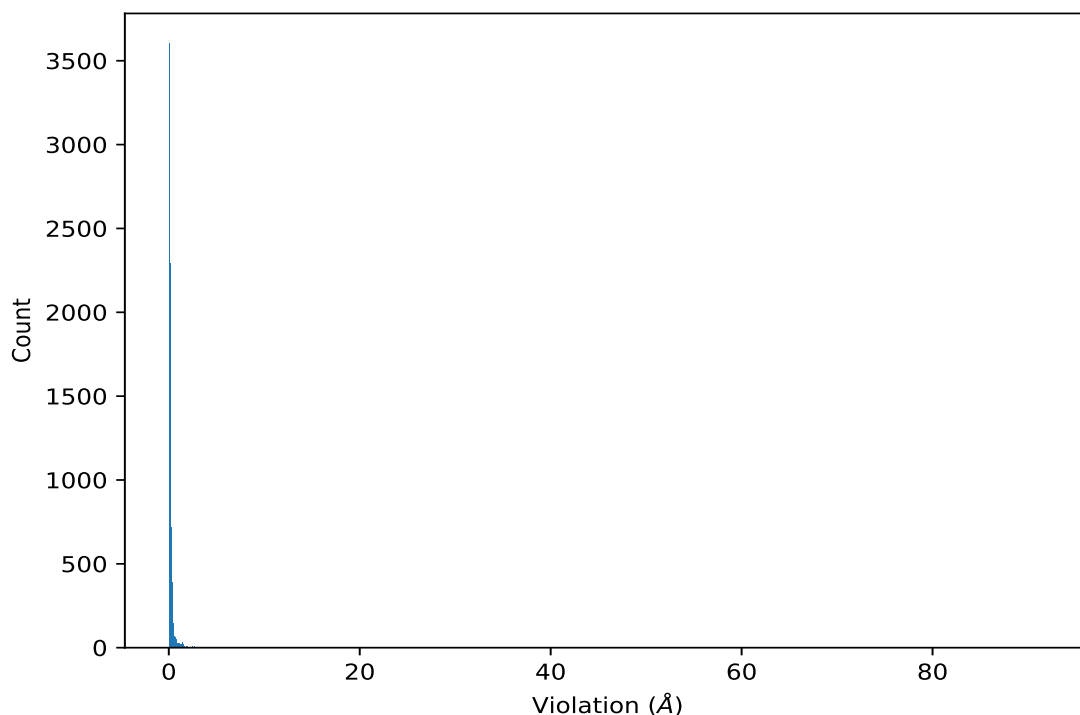
Key	Atom-1	Atom-2	Models ¹	Mean (Å)	SD ¹ (Å)	Median (Å)
(1,22372)	1:544:B:ASP:HB3	1:548:B:THR:HG21	2	0.11	0.0	0.11
(1,22372)	1:544:B:ASP:HB3	1:548:B:THR:HG22	2	0.11	0.0	0.11
(1,22372)	1:544:B:ASP:HB3	1:548:B:THR:HG23	2	0.11	0.0	0.11
(1,22372)	1:544:B:ASP:HB2	1:548:B:THR:HG21	2	0.11	0.0	0.11
(1,22372)	1:544:B:ASP:HB2	1:548:B:THR:HG22	2	0.11	0.0	0.11
(1,22372)	1:544:B:ASP:HB2	1:548:B:THR:HG23	2	0.11	0.0	0.11
(1,5179)	1:229:A:LYS:HD3	1:236:A:ARG:HD3	2	0.1	0.0	0.1
(1,5179)	1:229:A:LYS:HD3	1:236:A:ARG:HD2	2	0.1	0.0	0.1
(1,5179)	1:229:A:LYS:HD2	1:236:A:ARG:HD3	2	0.1	0.0	0.1
(1,5179)	1:229:A:LYS:HD2	1:236:A:ARG:HD2	2	0.1	0.0	0.1
(1,8909)	1:497:A:VAL:HA	1:532:A:LEU:HD21	2	0.1	0.0	0.1
(1,8909)	1:497:A:VAL:HA	1:532:A:LEU:HD22	2	0.1	0.0	0.1
(1,8909)	1:497:A:VAL:HA	1:532:A:LEU:HD23	2	0.1	0.0	0.1
(1,10470)	1:550:A:MET:HE1	1:553:A:LEU:HD21	2	0.1	0.0	0.1
(1,10470)	1:550:A:MET:HE1	1:553:A:LEU:HD22	2	0.1	0.0	0.1
(1,10470)	1:550:A:MET:HE1	1:553:A:LEU:HD23	2	0.1	0.0	0.1
(1,10470)	1:550:A:MET:HE2	1:553:A:LEU:HD21	2	0.1	0.0	0.1
(1,10470)	1:550:A:MET:HE2	1:553:A:LEU:HD22	2	0.1	0.0	0.1
(1,10470)	1:550:A:MET:HE2	1:553:A:LEU:HD23	2	0.1	0.0	0.1
(1,10470)	1:550:A:MET:HE3	1:553:A:LEU:HD21	2	0.1	0.0	0.1
(1,10470)	1:550:A:MET:HE3	1:553:A:LEU:HD22	2	0.1	0.0	0.1
(1,10470)	1:550:A:MET:HE3	1:553:A:LEU:HD23	2	0.1	0.0	0.1
(1,12524)	1:32:B:LEU:HB3	1:200:B:TYR:HD1	2	0.1	0.0	0.1
(1,12524)	1:32:B:LEU:HB2	1:200:B:TYR:HD1	2	0.1	0.0	0.1
(1,21048)	1:499:B:GLU:H	1:500:B:SER:H	2	0.1	0.0	0.1

¹Number of violated models, ²Standard deviation

9.5 All violated distance restraints [i](#)

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

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



9.5.2 Table : All distance violations [i](#)

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

Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	19	92.03
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	10	91.84
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	9	91.49
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	12	91.15
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	17	91.03
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	1	90.94
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	13	90.86
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	3	90.41
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	5	90.34
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	8	90.3
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	6	90.24
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	2	90.19
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	16	89.97
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	4	89.95
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	11	89.79
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	14	89.6

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	15	89.58
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	20	89.58
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	18	89.56
(2,7)	1:218:A:GLY:H	1:218:B:GLY:H	7	89.38
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	3	2.72
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	3	2.72
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	3	2.72
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	3	2.72
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	3	2.72
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	3	2.72
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	3	2.72
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	3	2.72
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	3	2.72
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	11	2.53
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	11	2.53
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	11	2.53
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	11	2.53
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	11	2.53
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	11	2.53
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	11	2.53
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	11	2.53
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	11	2.53
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	11	1.9
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	11	1.9
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	11	1.9
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	11	1.9
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	11	1.9
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	11	1.9
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	11	1.9
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	11	1.9
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	11	1.9
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	10	1.84
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	10	1.84
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	10	1.84
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	10	1.84
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	10	1.84
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	10	1.84
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	10	1.84
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	10	1.84
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	10	1.84
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	11	1.8
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	18	1.76

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	11	1.74
(1,15006)	1:118:B:GLN:HG2	1:293:B:HIS:HE1	3	1.69
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	1	1.69
(1,2928)	1:118:A:GLN:HG2	1:293:A:HIS:HE1	11	1.68
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	12	1.67
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	12	1.66
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	16	1.65
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	18	1.65
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	20	1.64
(1,1351)	1:64:A:ARG:HB3	1:226:A:LYS:HE2	16	1.64
(1,1351)	1:64:A:ARG:HB2	1:226:A:LYS:HE2	16	1.64
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	11	1.63
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	19	1.61
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	10	1.61
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	17	1.61
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	4	1.6
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	14	1.6
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	1	1.6
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	12	1.6
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	16	1.59
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	16	1.59
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	16	1.59
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	16	1.59
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	16	1.59
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	16	1.59
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	16	1.59
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	16	1.59
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	16	1.59
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	7	1.57
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	10	1.57
(1,15006)	1:118:B:GLN:HG2	1:293:B:HIS:HE1	5	1.56
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	9	1.56
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	20	1.56
(1,15006)	1:118:B:GLN:HG2	1:293:B:HIS:HE1	12	1.55
(1,13429)	1:64:B:ARG:HB3	1:226:B:LYS:HE2	9	1.55
(1,13429)	1:64:B:ARG:HB2	1:226:B:LYS:HE2	9	1.55
(1,13429)	1:64:B:ARG:HB3	1:226:B:LYS:HE2	17	1.55
(1,13429)	1:64:B:ARG:HB2	1:226:B:LYS:HE2	17	1.55
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	1	1.55
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	20	1.54
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	18	1.53
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	20	1.51

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	15	1.5
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	15	1.5
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	5	1.5
(1,2928)	1:118:A:GLN:HG2	1:293:A:HIS:HE1	20	1.5
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	12	1.49
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	16	1.49
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	2	1.48
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	15	1.48
(1,2928)	1:118:A:GLN:HG2	1:293:A:HIS:HE1	12	1.47
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	17	1.46
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	19	1.46
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	6	1.46
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	17	1.46
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	7	1.45
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	8	1.45
(1,2921)	1:118:A:GLN:HA	1:294:A:LYS:HE3	12	1.45
(1,2923)	1:118:A:GLN:HB2	1:294:A:LYS:HZ1	16	1.44
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	19	1.43
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	10	1.43
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB1	6	1.42
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB2	6	1.42
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB3	6	1.42
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB1	6	1.42
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB2	6	1.42
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB3	6	1.42
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB1	6	1.42
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB2	6	1.42
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB3	6	1.42
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	5	1.42
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	10	1.42
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	8	1.41
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	8	1.41
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	8	1.41
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	8	1.41
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	8	1.41
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	8	1.41
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	8	1.41
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	8	1.41
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	8	1.41
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	5	1.41
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	8	1.41
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	2	1.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	19	1.41
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	14	1.4
(1,15001)	1:118:B:GLN:HB2	1:294:B:LYS:HZ1	15	1.4
(1,14999)	1:118:B:GLN:HA	1:294:B:LYS:HE3	12	1.4
(1,12079)	1:15:B:GLN:HG2	1:286:B:TRP:HB3	5	1.4
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	8	1.4
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	19	1.4
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	4	1.39
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	5	1.39
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	10	1.39
(1,8043)	1:408:A:ASP:HB2	1:451:A:ARG:HH22	20	1.39
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	20	1.38
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	13	1.38
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	14	1.37
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	15	1.36
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	17	1.36
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	10	1.36
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	16	1.36
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	9	1.36
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	12	1.34
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	14	1.34
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	13	1.33
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	3	1.33
(1,8043)	1:408:A:ASP:HB2	1:451:A:ARG:HH22	10	1.33
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	2	1.33
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	13	1.33
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	18	1.33
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	2	1.33
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	16	1.33
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	12	1.32
(1,12550)	1:32:B:LEU:HD11	1:187:B:PHE:HB2	17	1.32
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	19	1.32
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	9	1.32
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	7	1.32
(1,19021)	1:335:B:SER:H	1:338:B:ILE:HB	19	1.31
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	1	1.31
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	3	1.31
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	8	1.3
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	17	1.29
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	9	1.29
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	17	1.28
(1,8043)	1:408:A:ASP:HB2	1:451:A:ARG:HH22	1	1.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	5	1.28
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	7	1.26
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	13	1.26
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	16	1.26
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	14	1.26
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	12	1.25
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	3	1.25
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	5	1.24
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	2	1.23
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	7	1.23
(1,15006)	1:118:B:GLN:HG2	1:293:B:HIS:HE1	14	1.23
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	13	1.23
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	9	1.23
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	16	1.22
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	20	1.22
(1,2921)	1:118:A:GLN:HA	1:294:A:LYS:HE3	20	1.22
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	4	1.21
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	7	1.21
(1,6271)	1:296:A:GLY:HA3	1:314:A:MET:H	1	1.21
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	16	1.21
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	11	1.21
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	7	1.21
(1,13780)	1:70:B:ASP:HB3	1:213:B:ARG:HH12	12	1.2
(1,6271)	1:296:A:GLY:HA3	1:314:A:MET:H	17	1.2
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	14	1.2
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	6	1.19
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	17	1.19
(1,6271)	1:296:A:GLY:HA3	1:314:A:MET:H	4	1.19
(1,2923)	1:118:A:GLN:HB2	1:294:A:LYS:HZ1	1	1.19
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	12	1.18
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	19	1.18
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	3	1.18
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	9	1.18
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB3	6	1.17
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB2	6	1.17
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	18	1.17
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	2	1.17
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	14	1.16
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	3	1.15
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	3	1.15
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	11	1.15
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	10	1.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	6	1.14
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	1	1.14
(1,14999)	1:118:B:GLN:HA	1:294:B:LYS:HE3	14	1.14
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	18	1.14
(1,2928)	1:118:A:GLN:HG2	1:293:A:HIS:HE1	19	1.14
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	7	1.13
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	11	1.13
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	14	1.13
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	11	1.13
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	15	1.12
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	10	1.12
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	7	1.12
(1,8981)	1:500:A:SER:HB3	1:572:A:PRO:HB3	18	1.12
(1,8981)	1:500:A:SER:HB2	1:572:A:PRO:HB3	18	1.12
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	10	1.12
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	18	1.12
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	8	1.12
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	16	1.11
(1,15001)	1:118:B:GLN:HB2	1:294:B:LYS:HZ1	19	1.1
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	1	1.1
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	4	1.1
(1,2923)	1:118:A:GLN:HB2	1:294:A:LYS:HZ1	4	1.1
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB3	10	1.1
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB2	10	1.1
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	19	1.09
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	20	1.09
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	2	1.09
(1,12550)	1:32:B:LEU:HD11	1:187:B:PHE:HB2	19	1.09
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	12	1.09
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	9	1.08
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	3	1.08
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	20	1.07
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	6	1.06
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	3	1.06
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	3	1.06
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	5	1.06
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	2	1.06
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	19	1.06
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	10	1.05
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	14	1.05
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	6	1.04
(1,6271)	1:296:A:GLY:HA3	1:314:A:MET:H	8	1.04

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	9	1.04
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	11	1.04
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	2	1.03
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	19	1.03
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	15	1.03
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	7	1.03
(1,18019)	1:276:B:SER:HB3	1:355:B:ARG:HG3	18	1.02
(1,18019)	1:276:B:SER:HB2	1:355:B:ARG:HG3	18	1.02
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	18	1.02
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB3	4	1.01
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB2	4	1.01
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB3	7	1.01
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB2	7	1.01
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	1	1.01
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	17	1.01
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	3	1.0
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	7	1.0
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	20	0.99
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	1	0.98
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	9	0.97
(1,14998)	1:118:B:GLN:HE22	1:294:B:LYS:HB3	19	0.97
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	12	0.97
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	7	0.97
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	19	0.97
(1,2923)	1:118:A:GLN:HB2	1:294:A:LYS:HZ1	13	0.97
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	2	0.97
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	15	0.96
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB3	9	0.96
(1,13430)	1:64:B:ARG:HG2	1:224:B:TRP:HB2	9	0.96
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	19	0.96
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	19	0.96
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	1	0.96
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	15	0.95
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	15	0.95
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	15	0.95
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	15	0.95
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	15	0.95
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	15	0.95
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	15	0.95
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	15	0.95
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	15	0.95
(1,12550)	1:32:B:LEU:HD11	1:187:B:PHE:HB2	18	0.95

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	10	0.95
(1,2928)	1:118:A:GLN:HG2	1:293:A:HIS:HE1	6	0.95
(1,1702)	1:70:A:ASP:HB3	1:213:A:ARG:HH12	1	0.95
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	13	0.95
(1,8981)	1:500:A:SER:HB3	1:572:A:PRO:HB3	2	0.94
(1,8981)	1:500:A:SER:HB2	1:572:A:PRO:HB3	2	0.94
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	18	0.94
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	6	0.94
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	9	0.93
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	16	0.93
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	17	0.93
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	3	0.93
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	13	0.93
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	4	0.92
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	7	0.92
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	3	0.92
(1,2923)	1:118:A:GLN:HB2	1:294:A:LYS:HZ1	3	0.92
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	12	0.91
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	14	0.91
(1,8981)	1:500:A:SER:HB3	1:572:A:PRO:HB3	7	0.9
(1,8981)	1:500:A:SER:HB2	1:572:A:PRO:HB3	7	0.9
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	5	0.9
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	9	0.9
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	4	0.89
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	4	0.89
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	6	0.89
(1,18019)	1:276:B:SER:HB3	1:355:B:ARG:HG3	16	0.89
(1,18019)	1:276:B:SER:HB2	1:355:B:ARG:HG3	16	0.89
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	8	0.89
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	14	0.89
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	4	0.89
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	2	0.89
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	4	0.89
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	20	0.89
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	14	0.88
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	13	0.88
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	7	0.88
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	8	0.88
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	15	0.88
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	11	0.88
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	12	0.87
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	14	0.87

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	20	0.87
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	1	0.86
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	3	0.86
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	7	0.86
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	20	0.86
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	9	0.85
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	9	0.85
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	7	0.85
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	10	0.85
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	5	0.84
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	9	0.84
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	13	0.84
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	16	0.84
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	17	0.84
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	1	0.84
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	14	0.83
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	14	0.83
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	14	0.83
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	14	0.83
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	14	0.83
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	14	0.83
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	14	0.83
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	14	0.83
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	14	0.83
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	20	0.83
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	2	0.83
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	11	0.83
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	9	0.83
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	4	0.83
(1,18810)	1:317:B:TYR:HA	1:381:B:VAL:HA	15	0.82
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	8	0.82
(1,15001)	1:118:B:GLN:HB2	1:294:B:LYS:HZ1	13	0.82
(1,14999)	1:118:B:GLN:HA	1:294:B:LYS:HE3	13	0.82
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	20	0.82
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	12	0.82
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	1	0.81
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	15	0.81
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	20	0.81
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	8	0.81
(1,5494)	1:249:A:PHE:HE2	1:298:A:LYS:HD2	5	0.81
(1,1981)	1:79:A:SER:HB2	1:224:A:TRP:HH2	2	0.81
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	5	0.8

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	9	0.8
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	17	0.8
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	3	0.79
(1,12079)	1:15:B:GLN:HG2	1:286:B:TRP:HB3	12	0.79
(1,2921)	1:118:A:GLN:HA	1:294:A:LYS:HE3	9	0.79
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB3	19	0.79
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB2	19	0.79
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	5	0.78
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	5	0.78
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	4	0.78
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	5	0.78
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	20	0.78
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB3	6	0.78
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB2	6	0.78
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	17	0.78
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	13	0.78
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	19	0.77
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	19	0.77
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	19	0.77
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	19	0.77
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	19	0.77
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	19	0.77
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	19	0.77
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	19	0.77
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	19	0.77
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	12	0.77
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	4	0.77
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	15	0.77
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	10	0.77
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	19	0.76
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	6	0.76
(1,12079)	1:15:B:GLN:HG2	1:286:B:TRP:HB3	13	0.76
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	15	0.76
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	19	0.76
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	12	0.76
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	14	0.76
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	16	0.76
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD11	18	0.75
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD12	18	0.75
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD13	18	0.75
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD11	18	0.75
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD12	18	0.75

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD13	18	0.75
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD11	18	0.75
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD12	18	0.75
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD13	18	0.75
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	11	0.75
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	8	0.75
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	14	0.75
(1,2920)	1:118:A:GLN:HE22	1:294:A:LYS:HB3	6	0.75
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	12	0.74
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	3	0.74
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	1	0.74
(1,2923)	1:118:A:GLN:HB2	1:294:A:LYS:HZ1	18	0.74
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	8	0.74
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB3	14	0.74
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB2	14	0.74
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	5	0.74
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	2	0.73
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	6	0.73
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	18	0.73
(1,1702)	1:70:A:ASP:HB3	1:213:A:ARG:HH12	17	0.73
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	2	0.73
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	7	0.73
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB1	10	0.72
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB2	10	0.72
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB3	10	0.72
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB1	10	0.72
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB2	10	0.72
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB3	10	0.72
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB1	10	0.72
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB2	10	0.72
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB3	10	0.72
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	16	0.72
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	18	0.72
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	18	0.72
(1,17572)	1:249:B:PHE:HE2	1:298:B:LYS:HD2	3	0.72
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	13	0.72
(1,13780)	1:70:B:ASP:HB3	1:213:B:ARG:HH12	9	0.72
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	7	0.72
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	18	0.72
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	19	0.72
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	4	0.72
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	6	0.72

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	8	0.72
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB3	15	0.72
(1,1352)	1:64:A:ARG:HG2	1:224:A:TRP:HB2	15	0.72
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	12	0.71
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	12	0.71
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	11	0.71
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	7	0.71
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	8	0.71
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	10	0.71
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	17	0.71
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	16	0.71
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	10	0.71
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	4	0.7
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	4	0.7
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	4	0.7
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	4	0.7
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	4	0.7
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	4	0.7
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	4	0.7
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	4	0.7
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	4	0.7
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	17	0.7
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	20	0.7
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	6	0.7
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	3	0.7
(1,1702)	1:70:A:ASP:HB3	1:213:A:ARG:HH12	20	0.7
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	9	0.69
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	15	0.69
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	15	0.69
(1,6271)	1:296:A:GLY:HA3	1:314:A:MET:H	3	0.69
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	15	0.69
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	6	0.69
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	11	0.69
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	15	0.69
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	10	0.68
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	10	0.68
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	10	0.68
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	10	0.68
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	10	0.68
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	10	0.68
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	10	0.68
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	10	0.68

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	10	0.68
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	17	0.68
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	17	0.68
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	17	0.68
(1,17763)	1:261:B:LEU:HB2	1:370:B:LYS:HB3	8	0.68
(1,17763)	1:261:B:LEU:HB2	1:370:B:LYS:HB2	8	0.68
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	10	0.68
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	11	0.68
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	16	0.68
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	12	0.68
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	16	0.67
(1,15006)	1:118:B:GLN:HG2	1:293:B:HIS:HE1	20	0.67
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	16	0.67
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	18	0.66
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	18	0.66
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	18	0.66
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	18	0.66
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	18	0.66
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	18	0.66
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	18	0.66
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	18	0.66
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	18	0.66
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	14	0.66
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	15	0.66
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	6	0.65
(1,17573)	1:249:B:PHE:HZ	1:298:B:LYS:HD2	1	0.65
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	13	0.65
(1,16652)	1:202:B:ASP:HA	1:245:B:GLU:HG3	13	0.65
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	11	0.65
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	15	0.65
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	17	0.64
(1,14998)	1:118:B:GLN:HE22	1:294:B:LYS:HB3	18	0.64
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	18	0.64
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	6	0.64
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	8	0.64
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	16	0.64
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	11	0.63
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	5	0.63
(1,14999)	1:118:B:GLN:HA	1:294:B:LYS:HE3	3	0.63
(1,2920)	1:118:A:GLN:HE22	1:294:A:LYS:HB3	14	0.63
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	15	0.63
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD11	1	0.62

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD12	1	0.62
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD13	1	0.62
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD11	1	0.62
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD12	1	0.62
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD13	1	0.62
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD11	1	0.62
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD12	1	0.62
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD13	1	0.62
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	4	0.62
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	6	0.62
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	15	0.62
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	10	0.62
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	13	0.62
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	6	0.61
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	13	0.61
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	6	0.61
(1,6271)	1:296:A:GLY:HA3	1:314:A:MET:H	9	0.61
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	17	0.6
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	17	0.6
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	17	0.6
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	17	0.6
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	17	0.6
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	17	0.6
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	17	0.6
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	17	0.6
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	17	0.6
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	14	0.6
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	19	0.6
(1,14999)	1:118:B:GLN:HA	1:294:B:LYS:HE3	20	0.6
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	19	0.6
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	6	0.6
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	20	0.6
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	3	0.6
(1,12079)	1:15:B:GLN:HG2	1:286:B:TRP:HB3	14	0.6
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	13	0.6
(1,5495)	1:249:A:PHE:HZ	1:298:A:LYS:HD2	5	0.6
(1,2921)	1:118:A:GLN:HA	1:294:A:LYS:HE3	17	0.6
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	3	0.6
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	11	0.59
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	11	0.59
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	11	0.59
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	11	0.59

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	11	0.59
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	11	0.59
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	11	0.59
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	11	0.59
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	11	0.59
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	4	0.59
(1,14998)	1:118:B:GLN:HE22	1:294:B:LYS:HB3	4	0.59
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	5	0.59
(1,12550)	1:32:B:LEU:HD11	1:187:B:PHE:HB2	8	0.59
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	2	0.58
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	8	0.58
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	20	0.58
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	9	0.58
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	17	0.58
(1,2923)	1:118:A:GLN:HB2	1:294:A:LYS:HZ1	11	0.58
(1,1981)	1:79:A:SER:HB2	1:224:A:TRP:HH2	7	0.58
(1,20776)	1:464:B:ILE:HD11	1:467:B:TRP:HZ3	18	0.57
(1,20776)	1:464:B:ILE:HD12	1:467:B:TRP:HZ3	18	0.57
(1,20776)	1:464:B:ILE:HD13	1:467:B:TRP:HZ3	18	0.57
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	18	0.57
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	8	0.57
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	10	0.57
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	10	0.57
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	12	0.56
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	12	0.56
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	12	0.56
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	12	0.56
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	12	0.56
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	12	0.56
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	12	0.56
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	12	0.56
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	12	0.56
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	13	0.56
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	13	0.56
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	13	0.56
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	13	0.56
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	13	0.56
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	13	0.56
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	13	0.56
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	13	0.56
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	13	0.56
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	15	0.56

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	15	0.56
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	1	0.56
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	17	0.56
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	8	0.56
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	6	0.56
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	11	0.56
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE1	4	0.55
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE2	4	0.55
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE3	4	0.55
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE1	4	0.55
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE2	4	0.55
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE3	4	0.55
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE1	4	0.55
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE2	4	0.55
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE3	4	0.55
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	18	0.55
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE1	15	0.55
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE2	15	0.55
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	19	0.55
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	16	0.55
(1,1702)	1:70:A:ASP:HB3	1:213:A:ARG:HH12	9	0.55
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	9	0.55
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	12	0.55
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	13	0.55
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	4	0.55
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	5	0.54
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	14	0.54
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	11	0.54
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	1	0.53
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	1	0.53
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	1	0.53
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	1	0.53
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	1	0.53
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	1	0.53
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	1	0.53
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	1	0.53
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	1	0.53
(1,18019)	1:276:B:SER:HB3	1:355:B:ARG:HG3	19	0.53
(1,18019)	1:276:B:SER:HB2	1:355:B:ARG:HG3	19	0.53
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	4	0.53
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	19	0.53
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	19	0.53

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	8	0.53
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	14	0.52
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	2	0.52
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	3	0.52
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	8	0.52
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	14	0.52
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	4	0.52
(1,2928)	1:118:A:GLN:HG2	1:293:A:HIS:HE1	17	0.52
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	10	0.52
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	19	0.52
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	4	0.51
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	4	0.51
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	4	0.51
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	4	0.51
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	4	0.51
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	4	0.51
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	4	0.51
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	4	0.51
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	4	0.51
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	17	0.51
(1,16662)	1:202:B:ASP:HB3	1:229:B:LYS:HD3	13	0.51
(1,16662)	1:202:B:ASP:HB3	1:229:B:LYS:HD2	13	0.51
(1,15001)	1:118:B:GLN:HB2	1:294:B:LYS:HZ1	18	0.51
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	19	0.51
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	2	0.51
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	2	0.51
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	10	0.51
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	16	0.51
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	5	0.5
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	5	0.5
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	5	0.5
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	5	0.5
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	5	0.5
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	5	0.5
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	5	0.5
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	5	0.5
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	5	0.5
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	18	0.5
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	18	0.5
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	18	0.5
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	18	0.5
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	18	0.5

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	18	0.5
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	18	0.5
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	18	0.5
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	18	0.5
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	3	0.5
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	3	0.5
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	3	0.5
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	10	0.5
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	16	0.5
(1,20825)	1:469:B:MET:HE1	1:480:B:PHE:HB3	20	0.5
(1,20825)	1:469:B:MET:HE1	1:480:B:PHE:HB2	20	0.5
(1,20825)	1:469:B:MET:HE2	1:480:B:PHE:HB3	20	0.5
(1,20825)	1:469:B:MET:HE2	1:480:B:PHE:HB2	20	0.5
(1,20825)	1:469:B:MET:HE3	1:480:B:PHE:HB3	20	0.5
(1,20825)	1:469:B:MET:HE3	1:480:B:PHE:HB2	20	0.5
(1,19719)	1:383:B:LYS:HE3	1:402:B:PHE:HZ	20	0.5
(1,19719)	1:383:B:LYS:HE2	1:402:B:PHE:HZ	20	0.5
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	18	0.5
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	18	0.5
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	18	0.5
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	9	0.5
(1,8043)	1:408:A:ASP:HB2	1:451:A:ARG:HH22	9	0.5
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	2	0.5
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG11	20	0.49
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG12	20	0.49
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG13	20	0.49
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	8	0.49
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	8	0.49
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	8	0.49
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	8	0.49
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	8	0.49
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	8	0.49
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	8	0.49
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	8	0.49
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	8	0.49
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	2	0.49
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	2	0.49
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	2	0.49
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	2	0.49
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	2	0.49
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	2	0.49
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	2	0.49

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	2	0.49
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	2	0.49
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	8	0.49
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	8	0.49
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	8	0.49
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	8	0.49
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	8	0.49
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	8	0.49
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	8	0.49
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	8	0.49
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	8	0.49
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	1	0.49
(1,20357)	1:427:B:GLN:HG3	1:431:B:TYR:H	11	0.49
(1,20357)	1:427:B:GLN:HG2	1:431:B:TYR:H	11	0.49
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	14	0.49
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	9	0.49
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	9	0.49
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	11	0.49
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	2	0.49
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	14	0.49
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	4	0.49
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	15	0.49
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	12	0.48
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	12	0.48
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	12	0.48
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	12	0.48
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	12	0.48
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	12	0.48
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	12	0.48
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	12	0.48
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	12	0.48
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	17	0.48
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	17	0.48
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	17	0.48
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	17	0.48
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	17	0.48
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	17	0.48
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	17	0.48
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	17	0.48
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	17	0.48
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	12	0.48
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	19	0.48

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	15	0.48
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	10	0.48
(1,14998)	1:118:B:GLN:HE22	1:294:B:LYS:HB3	6	0.48
(1,8981)	1:500:A:SER:HB3	1:572:A:PRO:HB3	5	0.48
(1,8981)	1:500:A:SER:HB2	1:572:A:PRO:HB3	5	0.48
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	9	0.48
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	12	0.48
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	13	0.48
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	1	0.48
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	6	0.48
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	19	0.48
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	8	0.47
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	8	0.47
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	8	0.47
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	8	0.47
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	8	0.47
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	8	0.47
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	8	0.47
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	8	0.47
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	8	0.47
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	14	0.47
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	14	0.47
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	14	0.47
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	14	0.47
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	14	0.47
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	14	0.47
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	14	0.47
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	14	0.47
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	14	0.47
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	14	0.47
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	14	0.47
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	14	0.47
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	14	0.47
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	14	0.47
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	14	0.47
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	13	0.47
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	2	0.47
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	14	0.47
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	16	0.47
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	7	0.46
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	7	0.46
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	7	0.46

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	7	0.46
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	13	0.46
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	13	0.46
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	13	0.46
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	13	0.46
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	13	0.46
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	13	0.46
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	13	0.46
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	13	0.46
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	13	0.46
(1,20776)	1:464:B:ILE:HD11	1:467:B:TRP:HZ3	5	0.46
(1,20776)	1:464:B:ILE:HD12	1:467:B:TRP:HZ3	5	0.46
(1,20776)	1:464:B:ILE:HD13	1:467:B:TRP:HZ3	5	0.46
(1,20776)	1:464:B:ILE:HD11	1:467:B:TRP:HZ3	6	0.46
(1,20776)	1:464:B:ILE:HD12	1:467:B:TRP:HZ3	6	0.46
(1,20776)	1:464:B:ILE:HD13	1:467:B:TRP:HZ3	6	0.46
(1,20776)	1:464:B:ILE:HD11	1:467:B:TRP:HZ3	14	0.46
(1,20776)	1:464:B:ILE:HD12	1:467:B:TRP:HZ3	14	0.46
(1,20776)	1:464:B:ILE:HD13	1:467:B:TRP:HZ3	14	0.46
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	12	0.46
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	12	0.46
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	5	0.46
(1,12550)	1:32:B:LEU:HD11	1:187:B:PHE:HB2	20	0.46
(1,2615)	1:101:A:GLY:H	1:102:A:THR:H	11	0.46
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	3	0.46
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	3	0.46
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	14	0.45
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	14	0.45
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	14	0.45
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	14	0.45
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	14	0.45
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	14	0.45
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	14	0.45
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	14	0.45
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	14	0.45
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	9	0.45
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	4	0.45
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	11	0.45
(1,20673)	1:450:B:LEU:HB3	1:456:B:GLU:H	13	0.45
(1,20673)	1:450:B:LEU:HB2	1:456:B:GLU:H	13	0.45
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	2	0.45
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	5	0.45

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	6	0.45
(1,6271)	1:296:A:GLY:HA3	1:314:A:MET:H	10	0.45
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	2	0.45
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	9	0.44
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	9	0.44
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	9	0.44
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	9	0.44
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	9	0.44
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	9	0.44
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	9	0.44
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	9	0.44
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	9	0.44
(1,24207)	1:357:B:LEU:HD11	2:81:C:LEU:HD21	15	0.44
(1,24207)	1:357:B:LEU:HD11	2:81:C:LEU:HD22	15	0.44
(1,24207)	1:357:B:LEU:HD11	2:81:C:LEU:HD23	15	0.44
(1,24207)	1:357:B:LEU:HD12	2:81:C:LEU:HD21	15	0.44
(1,24207)	1:357:B:LEU:HD12	2:81:C:LEU:HD22	15	0.44
(1,24207)	1:357:B:LEU:HD12	2:81:C:LEU:HD23	15	0.44
(1,24207)	1:357:B:LEU:HD13	2:81:C:LEU:HD21	15	0.44
(1,24207)	1:357:B:LEU:HD13	2:81:C:LEU:HD22	15	0.44
(1,24207)	1:357:B:LEU:HD13	2:81:C:LEU:HD23	15	0.44
(1,20776)	1:464:B:ILE:HD11	1:467:B:TRP:HZ3	2	0.44
(1,20776)	1:464:B:ILE:HD12	1:467:B:TRP:HZ3	2	0.44
(1,20776)	1:464:B:ILE:HD13	1:467:B:TRP:HZ3	2	0.44
(1,15001)	1:118:B:GLN:HB2	1:294:B:LYS:HZ1	10	0.44
(1,14998)	1:118:B:GLN:HE22	1:294:B:LYS:HB3	7	0.44
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	4	0.44
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	11	0.44
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	3	0.44
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	18	0.44
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	13	0.44
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG11	15	0.43
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG12	15	0.43
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG13	15	0.43
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG11	15	0.43
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG12	15	0.43
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG13	15	0.43
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG11	15	0.43
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG12	15	0.43
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG13	15	0.43
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	5	0.43
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	5	0.43

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	5	0.43
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	5	0.43
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	5	0.43
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	5	0.43
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	5	0.43
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	5	0.43
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	5	0.43
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	15	0.43
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	15	0.43
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	15	0.43
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	15	0.43
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	15	0.43
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	15	0.43
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	15	0.43
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	15	0.43
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	15	0.43
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	16	0.43
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	16	0.43
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	16	0.43
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	16	0.43
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	16	0.43
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	16	0.43
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	16	0.43
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	16	0.43
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	16	0.43
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	3	0.43
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	4	0.43
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	19	0.43
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	15	0.43
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	17	0.43
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	1	0.43
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	20	0.42
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	20	0.42
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	20	0.42
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	20	0.42
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	20	0.42
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	20	0.42
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	20	0.42
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	20	0.42
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	20	0.42
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB1	11	0.42
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB2	11	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB3	11	0.42
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB1	11	0.42
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB2	11	0.42
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB3	11	0.42
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB1	11	0.42
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB2	11	0.42
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB3	11	0.42
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD11	14	0.42
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD12	14	0.42
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD13	14	0.42
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD11	14	0.42
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD12	14	0.42
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD13	14	0.42
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD11	14	0.42
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD12	14	0.42
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD13	14	0.42
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	16	0.42
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	16	0.42
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	16	0.42
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	16	0.42
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	16	0.42
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	16	0.42
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	16	0.42
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	16	0.42
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	16	0.42
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	17	0.42
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	17	0.42
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	17	0.42
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	17	0.42
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	17	0.42
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	17	0.42
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	20	0.42
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	20	0.42
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	20	0.42
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	20	0.42
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	20	0.42
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	20	0.42
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	1	0.42
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	6	0.42
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	11	0.42
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	19	0.42
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	15	0.42

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15664)	1:142:B:ARG:HG3	1:169:B:LYS:H	19	0.42
(1,15664)	1:142:B:ARG:HG2	1:169:B:LYS:H	19	0.42
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	13	0.42
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	1	0.42
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	9	0.42
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	17	0.42
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	18	0.42
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	17	0.42
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	10	0.41
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	10	0.41
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	10	0.41
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	10	0.41
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	10	0.41
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	10	0.41
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	10	0.41
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	10	0.41
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	10	0.41
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	11	0.41
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	11	0.41
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	11	0.41
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	11	0.41
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	11	0.41
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	11	0.41
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	11	0.41
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	11	0.41
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	11	0.41
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	8	0.41
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	8	0.41
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	8	0.41
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	8	0.41
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	8	0.41
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	8	0.41
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	8	0.41
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	8	0.41
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	8	0.41
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	17	0.41
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	17	0.41
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	17	0.41
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	17	0.41
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	17	0.41
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	17	0.41
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	17	0.41

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	17	0.41
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	17	0.41
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	5	0.41
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	5	0.41
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	5	0.41
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	5	0.41
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	5	0.41
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	5	0.41
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	10	0.41
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	10	0.41
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	10	0.41
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	10	0.41
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	10	0.41
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	10	0.41
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	19	0.41
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	19	0.41
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG3	4	0.41
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG2	4	0.41
(1,15987)	1:159:B:GLU:HB3	1:161:B:GLU:HG3	2	0.41
(1,15987)	1:159:B:GLU:HB3	1:161:B:GLU:HG2	2	0.41
(1,15987)	1:159:B:GLU:HB2	1:161:B:GLU:HG3	2	0.41
(1,15987)	1:159:B:GLU:HB2	1:161:B:GLU:HG2	2	0.41
(1,14999)	1:118:B:GLN:HA	1:294:B:LYS:HE3	15	0.41
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	2	0.41
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	16	0.41
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	14	0.41
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	14	0.41
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	14	0.41
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	14	0.41
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	13	0.41
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	1	0.41
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	3	0.41
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	1	0.4
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	1	0.4
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	1	0.4
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	1	0.4
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	1	0.4
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	1	0.4
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	1	0.4
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	1	0.4
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	1	0.4
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD21	13	0.4

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD22	13	0.4
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD23	13	0.4
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD21	13	0.4
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD22	13	0.4
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD23	13	0.4
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD21	13	0.4
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD22	13	0.4
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD23	13	0.4
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE1	19	0.4
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE2	19	0.4
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE3	19	0.4
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE1	19	0.4
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE2	19	0.4
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE3	19	0.4
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE1	19	0.4
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE2	19	0.4
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE3	19	0.4
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	15	0.4
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	15	0.4
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	15	0.4
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	15	0.4
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	15	0.4
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	15	0.4
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	19	0.4
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	19	0.4
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	19	0.4
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	13	0.4
(1,19067)	1:338:B:ILE:HB	1:339:B:LEU:H	19	0.4
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	18	0.4
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	17	0.4
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	11	0.4
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	17	0.4
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	5	0.4
(1,2920)	1:118:A:GLN:HE22	1:294:A:LYS:HB3	18	0.4
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	1	0.4
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	14	0.4
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG21	6	0.39
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG22	6	0.39
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG23	6	0.39
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG21	6	0.39
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG22	6	0.39
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG23	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG21	6	0.39
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG22	6	0.39
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG23	6	0.39
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	10	0.39
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	10	0.39
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	10	0.39
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	10	0.39
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	10	0.39
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	10	0.39
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	10	0.39
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	10	0.39
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	10	0.39
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	13	0.39
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	13	0.39
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	13	0.39
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	13	0.39
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	13	0.39
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	13	0.39
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	13	0.39
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	13	0.39
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	13	0.39
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	3	0.39
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	3	0.39
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	3	0.39
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	3	0.39
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	3	0.39
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	3	0.39
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	10	0.39
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	16	0.39
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	20	0.39
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	2	0.39
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	3	0.39
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	5	0.39
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	9	0.39
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	11	0.39
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	4	0.39
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	12	0.39
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	6	0.39
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	6	0.39
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	6	0.39
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	6	0.39
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	6	0.39

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	6	0.39
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE1	16	0.39
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE2	16	0.39
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE3	16	0.39
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE1	16	0.39
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE2	16	0.39
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE3	16	0.39
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE1	16	0.39
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE2	16	0.39
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE3	16	0.39
(1,8362)	1:431:A:TYR:HD1	1:456:A:GLU:H	11	0.39
(1,8362)	1:431:A:TYR:HD2	1:456:A:GLU:H	11	0.39
(1,6825)	1:322:A:ARG:HD3	1:323:A:GLY:H	10	0.39
(1,6825)	1:322:A:ARG:HD2	1:323:A:GLY:H	10	0.39
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	7	0.39
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	1	0.39
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	18	0.39
(1,2921)	1:118:A:GLN:HA	1:294:A:LYS:HE3	8	0.39
(1,1981)	1:79:A:SER:HB2	1:224:A:TRP:HH2	1	0.39
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	2	0.39
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD11	15	0.38
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD12	15	0.38
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD13	15	0.38
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD11	15	0.38
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD12	15	0.38
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD13	15	0.38
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD11	15	0.38
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD12	15	0.38
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD13	15	0.38
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	10	0.38
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	10	0.38
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	10	0.38
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	10	0.38
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	10	0.38
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	10	0.38
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	10	0.38
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	10	0.38
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	10	0.38
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	11	0.38
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	17	0.38
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	18	0.38
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	6	0.38

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	6	0.38
(1,18019)	1:276:B:SER:HB3	1:355:B:ARG:HG3	10	0.38
(1,18019)	1:276:B:SER:HB2	1:355:B:ARG:HG3	10	0.38
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	15	0.38
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	8	0.38
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	8	0.38
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	8	0.38
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	8	0.38
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	8	0.38
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	8	0.38
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB3	1	0.38
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB2	1	0.38
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB3	1	0.38
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB2	1	0.38
(1,8373)	1:432:A:TYR:HB3	1:460:A:LEU:HD11	2	0.38
(1,8373)	1:432:A:TYR:HB3	1:460:A:LEU:HD12	2	0.38
(1,8373)	1:432:A:TYR:HB3	1:460:A:LEU:HD13	2	0.38
(1,8373)	1:432:A:TYR:HB2	1:460:A:LEU:HD11	2	0.38
(1,8373)	1:432:A:TYR:HB2	1:460:A:LEU:HD12	2	0.38
(1,8373)	1:432:A:TYR:HB2	1:460:A:LEU:HD13	2	0.38
(1,4574)	1:202:A:ASP:HA	1:245:A:GLU:HG3	11	0.38
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	17	0.38
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	19	0.38
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	13	0.38
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	13	0.38
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	2	0.37
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	2	0.37
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	2	0.37
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	2	0.37
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	2	0.37
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	2	0.37
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	2	0.37
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	2	0.37
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	2	0.37
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	17	0.37
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	17	0.37
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	17	0.37
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	17	0.37
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	17	0.37
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	17	0.37
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	17	0.37
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	17	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	17	0.37
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	4	0.37
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	4	0.37
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	4	0.37
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	4	0.37
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	4	0.37
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	4	0.37
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	4	0.37
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	4	0.37
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	4	0.37
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	18	0.37
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	18	0.37
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	18	0.37
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	18	0.37
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	18	0.37
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	18	0.37
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	18	0.37
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	18	0.37
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	18	0.37
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	18	0.37
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	18	0.37
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	18	0.37
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	18	0.37
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD11	13	0.37
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD12	13	0.37
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD13	13	0.37
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD11	13	0.37
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD12	13	0.37
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD13	13	0.37
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD11	13	0.37
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD12	13	0.37
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD13	13	0.37
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	1	0.37
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	1	0.37
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	1	0.37
(1,21104)	1:501:B:ALA:HA	1:502:B:LYS:HG3	1	0.37
(1,21104)	1:501:B:ALA:HA	1:502:B:LYS:HG2	1	0.37
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	8	0.37
(1,20687)	1:451:B:ARG:HB3	1:457:B:VAL:HG21	13	0.37
(1,20687)	1:451:B:ARG:HB3	1:457:B:VAL:HG22	13	0.37
(1,20687)	1:451:B:ARG:HB3	1:457:B:VAL:HG23	13	0.37
(1,20687)	1:451:B:ARG:HB2	1:457:B:VAL:HG21	13	0.37

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20687)	1:451:B:ARG:HB2	1:457:B:VAL:HG22	13	0.37
(1,20687)	1:451:B:ARG:HB2	1:457:B:VAL:HG23	13	0.37
(1,20591)	1:442:B:LYS:HA	1:447:B:LEU:HD11	1	0.37
(1,20591)	1:442:B:LYS:HA	1:447:B:LEU:HD12	1	0.37
(1,20591)	1:442:B:LYS:HA	1:447:B:LEU:HD13	1	0.37
(1,19981)	1:402:B:PHE:HD1	1:461:B:SER:H	20	0.37
(1,19981)	1:402:B:PHE:HD2	1:461:B:SER:H	20	0.37
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	7	0.37
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	18	0.37
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	4	0.37
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	17	0.37
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	7	0.37
(1,5331)	1:237:A:ASN:HD21	1:239:A:SER:H	17	0.37
(1,5331)	1:237:A:ASN:HD22	1:239:A:SER:H	17	0.37
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	4	0.37
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	8	0.37
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	18	0.37
(1,2921)	1:118:A:GLN:HA	1:294:A:LYS:HE3	18	0.37
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	6	0.37
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD11	10	0.36
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD12	10	0.36
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD13	10	0.36
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD11	10	0.36
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD12	10	0.36
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD13	10	0.36
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD11	10	0.36
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD12	10	0.36
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD13	10	0.36
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	7	0.36
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	7	0.36
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	7	0.36
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	7	0.36
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	7	0.36
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	7	0.36
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	7	0.36
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	7	0.36
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	7	0.36
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	11	0.36
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	11	0.36
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	11	0.36
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD11	6	0.36
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD12	6	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD13	6	0.36
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD11	6	0.36
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD12	6	0.36
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD13	6	0.36
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD11	6	0.36
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD12	6	0.36
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD13	6	0.36
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	1	0.36
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	1	0.36
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	1	0.36
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	1	0.36
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	1	0.36
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	1	0.36
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	1	0.36
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	1	0.36
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	1	0.36
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	14	0.36
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	14	0.36
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	14	0.36
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	14	0.36
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	14	0.36
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	14	0.36
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	14	0.36
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	14	0.36
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	14	0.36
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	7	0.36
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	3	0.36
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	3	0.36
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	15	0.36
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	15	0.36
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	15	0.36
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	15	0.36
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	15	0.36
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	15	0.36
(1,19282)	1:357:B:LEU:HB3	1:395:B:ALA:HB1	1	0.36
(1,19282)	1:357:B:LEU:HB3	1:395:B:ALA:HB2	1	0.36
(1,19282)	1:357:B:LEU:HB3	1:395:B:ALA:HB3	1	0.36
(1,19282)	1:357:B:LEU:HB2	1:395:B:ALA:HB1	1	0.36
(1,19282)	1:357:B:LEU:HB2	1:395:B:ALA:HB2	1	0.36
(1,19282)	1:357:B:LEU:HB2	1:395:B:ALA:HB3	1	0.36
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	10	0.36
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	19	0.36

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15006)	1:118:B:GLN:HG2	1:293:B:HIS:HE1	4	0.36
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	3	0.36
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	12	0.36
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	11	0.36
(1,8923)	1:497:A:VAL:HG11	1:530:A:HIS:HB3	3	0.36
(1,8923)	1:497:A:VAL:HG12	1:530:A:HIS:HB3	3	0.36
(1,8923)	1:497:A:VAL:HG13	1:530:A:HIS:HB3	3	0.36
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG21	7	0.36
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG22	7	0.36
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG23	7	0.36
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG21	7	0.36
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG22	7	0.36
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG23	7	0.36
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	3	0.36
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	14	0.36
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	19	0.36
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	19	0.36
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD11	16	0.35
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD12	16	0.35
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD13	16	0.35
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD11	16	0.35
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD12	16	0.35
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD13	16	0.35
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD11	16	0.35
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD12	16	0.35
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD13	16	0.35
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD11	20	0.35
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD12	20	0.35
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD13	20	0.35
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD11	20	0.35
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD12	20	0.35
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD13	20	0.35
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD11	20	0.35
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD12	20	0.35
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD13	20	0.35
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	19	0.35
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	19	0.35
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	19	0.35
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	19	0.35
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	19	0.35
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	19	0.35
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	19	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	19	0.35
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	19	0.35
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	6	0.35
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	6	0.35
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	6	0.35
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	6	0.35
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	6	0.35
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	6	0.35
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	6	0.35
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	6	0.35
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	6	0.35
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	19	0.35
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	19	0.35
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	19	0.35
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	19	0.35
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	19	0.35
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	19	0.35
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	19	0.35
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	19	0.35
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	19	0.35
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	3	0.35
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	3	0.35
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	3	0.35
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	3	0.35
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	3	0.35
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	3	0.35
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	3	0.35
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	3	0.35
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	3	0.35
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	16	0.35
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	16	0.35
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	16	0.35
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	16	0.35
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	16	0.35
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	16	0.35
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	16	0.35
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	16	0.35
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	16	0.35
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	12	0.35
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	12	0.35
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	12	0.35
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	12	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	12	0.35
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	12	0.35
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	12	0.35
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	12	0.35
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	12	0.35
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	8	0.35
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	8	0.35
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	8	0.35
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	8	0.35
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	8	0.35
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	8	0.35
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	8	0.35
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	8	0.35
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	8	0.35
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	16	0.35
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	16	0.35
(1,19768)	1:386:B:PRO:HB3	1:471:B:TYR:HB3	12	0.35
(1,19768)	1:386:B:PRO:HB3	1:471:B:TYR:HB2	12	0.35
(1,19768)	1:386:B:PRO:HB2	1:471:B:TYR:HB3	12	0.35
(1,19768)	1:386:B:PRO:HB2	1:471:B:TYR:HB2	12	0.35
(1,18821)	1:318:B:LEU:HA	1:382:B:LEU:HA	15	0.35
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG3	4	0.35
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG2	4	0.35
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	6	0.35
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	14	0.35
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	18	0.35
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	8	0.35
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	12	0.35
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	19	0.35
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	19	0.35
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB3	16	0.35
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB2	16	0.35
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB3	16	0.35
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB2	16	0.35
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	6	0.35
(1,8900)	1:497:A:VAL:HB	1:532:A:LEU:HA	14	0.35
(1,8276)	1:427:A:GLN:HG3	1:478:A:LYS:HG3	3	0.35
(1,8276)	1:427:A:GLN:HG3	1:478:A:LYS:HG2	3	0.35
(1,8276)	1:427:A:GLN:HG2	1:478:A:LYS:HG3	3	0.35
(1,8276)	1:427:A:GLN:HG2	1:478:A:LYS:HG2	3	0.35
(1,8008)	1:405:A:THR:HB	1:451:A:ARG:HA	1	0.35
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	1	0.35

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	5	0.35
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	6	0.35
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	12	0.35
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	16	0.35
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	13	0.35
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	2	0.35
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	11	0.34
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	11	0.34
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	11	0.34
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	11	0.34
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	11	0.34
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	11	0.34
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	2	0.34
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	2	0.34
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	15	0.34
(1,15001)	1:118:B:GLN:HB2	1:294:B:LYS:HZ1	11	0.34
(1,14768)	1:105:B:PHE:HZ	1:286:B:TRP:HH2	6	0.34
(1,13780)	1:70:B:ASP:HB3	1:213:B:ARG:HH12	20	0.34
(1,13402)	1:63:B:LEU:HB2	1:207:B:PRO:HG3	17	0.34
(1,12550)	1:32:B:LEU:HD11	1:187:B:PHE:HB2	6	0.34
(1,11898)	1:613:A:LEU:HB2	1:614:A:PHE:HA	20	0.34
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG21	20	0.34
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG22	20	0.34
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG23	20	0.34
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG21	20	0.34
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG22	20	0.34
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG23	20	0.34
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	16	0.34
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	16	0.34
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	16	0.34
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	16	0.34
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	16	0.34
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	16	0.34
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	17	0.34
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE1	10	0.34
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE2	10	0.34
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE3	10	0.34
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE1	10	0.34
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE2	10	0.34
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE3	10	0.34
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE1	10	0.34
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE2	10	0.34

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE3	10	0.34
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE21	17	0.34
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE22	17	0.34
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	4	0.34
(1,4133)	1:182:A:GLU:HG3	1:183:A:GLY:H	18	0.34
(1,4133)	1:182:A:GLU:HG2	1:183:A:GLY:H	18	0.34
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	7	0.34
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	11	0.34
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	14	0.34
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	16	0.34
(1,3625)	1:143:A:ALA:HA	1:172:A:ARG:HG3	1	0.34
(1,3625)	1:143:A:ALA:HA	1:172:A:ARG:HG2	1	0.34
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	17	0.34
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	5	0.34
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	19	0.34
(1,890)	1:44:A:ASP:HA	1:300:A:TYR:HE1	12	0.34
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	1	0.33
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	1	0.33
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	1	0.33
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	1	0.33
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	1	0.33
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	1	0.33
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	1	0.33
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	1	0.33
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	1	0.33
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD21	7	0.33
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD22	7	0.33
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD23	7	0.33
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD21	7	0.33
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD22	7	0.33
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD23	7	0.33
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD21	7	0.33
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD22	7	0.33
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD23	7	0.33
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	14	0.33
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	14	0.33
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	14	0.33
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	19	0.33
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	10	0.33
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	10	0.33
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	10	0.33
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	10	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	10	0.33
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	10	0.33
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE1	13	0.33
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE2	13	0.33
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE1	19	0.33
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE2	19	0.33
(1,20674)	1:450:B:LEU:HA	1:455:B:ILE:H	13	0.33
(1,20566)	1:441:B:ALA:HB1	1:459:B:LEU:HA	1	0.33
(1,20566)	1:441:B:ALA:HB2	1:459:B:LEU:HA	1	0.33
(1,20566)	1:441:B:ALA:HB3	1:459:B:LEU:HA	1	0.33
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	14	0.33
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	7	0.33
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	2	0.33
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG3	20	0.33
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG2	20	0.33
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	1	0.33
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	8	0.33
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	20	0.33
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	11	0.33
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	11	0.33
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	11	0.33
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	11	0.33
(1,14283)	1:86:B:THR:HB	1:87:B:ARG:H	11	0.33
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	18	0.33
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD21	19	0.33
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD22	19	0.33
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	10	0.33
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	10	0.33
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	10	0.33
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	10	0.33
(1,9922)	1:531:A:ARG:HA	1:532:A:LEU:HD21	14	0.33
(1,9922)	1:531:A:ARG:HA	1:532:A:LEU:HD22	14	0.33
(1,9922)	1:531:A:ARG:HA	1:532:A:LEU:HD23	14	0.33
(1,6349)	1:298:A:LYS:HG3	1:323:A:GLY:H	5	0.33
(1,6349)	1:298:A:LYS:HG2	1:323:A:GLY:H	5	0.33
(1,5941)	1:276:A:SER:HB3	1:355:A:ARG:HG3	19	0.33
(1,5941)	1:276:A:SER:HB2	1:355:A:ARG:HG3	19	0.33
(1,5585)	1:253:A:ILE:HD11	1:322:A:ARG:HD3	14	0.33
(1,5585)	1:253:A:ILE:HD11	1:322:A:ARG:HD2	14	0.33
(1,5585)	1:253:A:ILE:HD12	1:322:A:ARG:HD3	14	0.33
(1,5585)	1:253:A:ILE:HD12	1:322:A:ARG:HD2	14	0.33
(1,5585)	1:253:A:ILE:HD13	1:322:A:ARG:HD3	14	0.33

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5585)	1:253:A:ILE:HD13	1:322:A:ARG:HD2	14	0.33
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	20	0.33
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	16	0.33
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	19	0.33
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	20	0.33
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	12	0.33
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	9	0.33
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	2	0.33
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	17	0.33
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG21	8	0.32
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG22	8	0.32
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG23	8	0.32
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG21	8	0.32
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG22	8	0.32
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG23	8	0.32
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG21	8	0.32
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG22	8	0.32
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG23	8	0.32
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	1	0.32
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	1	0.32
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	1	0.32
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	1	0.32
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	1	0.32
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	1	0.32
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	1	0.32
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	1	0.32
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	1	0.32
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG21	18	0.32
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG22	18	0.32
(1,24213)	1:464:B:ILE:HD11	2:91:C:VAL:HG23	18	0.32
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG21	18	0.32
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG22	18	0.32
(1,24213)	1:464:B:ILE:HD12	2:91:C:VAL:HG23	18	0.32
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG21	18	0.32
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG22	18	0.32
(1,24213)	1:464:B:ILE:HD13	2:91:C:VAL:HG23	18	0.32
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	1	0.32
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	1	0.32
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	1	0.32
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	1	0.32
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	1	0.32
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	1	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	1	0.32
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	1	0.32
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	1	0.32
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	8	0.32
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	8	0.32
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	8	0.32
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	8	0.32
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	8	0.32
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	8	0.32
(1,23976)	1:613:B:LEU:HB2	1:614:B:PHE:HA	20	0.32
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	2	0.32
(1,19585)	1:375:B:TRP:HH2	1:383:B:LYS:HG3	16	0.32
(1,19585)	1:375:B:TRP:HH2	1:383:B:LYS:HG2	16	0.32
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD3	18	0.32
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD2	18	0.32
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD3	18	0.32
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD2	18	0.32
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD3	18	0.32
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD2	18	0.32
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	1	0.32
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	7	0.32
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	12	0.32
(1,14998)	1:118:B:GLN:HE22	1:294:B:LYS:HB3	8	0.32
(1,14768)	1:105:B:PHE:HZ	1:286:B:TRP:HH2	16	0.32
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD21	15	0.32
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD22	15	0.32
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	8	0.32
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	8	0.32
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	8	0.32
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	8	0.32
(1,8597)	1:450:A:LEU:HA	1:455:A:ILE:HB	3	0.32
(1,8362)	1:431:A:TYR:HD1	1:456:A:GLU:H	5	0.32
(1,8362)	1:431:A:TYR:HD2	1:456:A:GLU:H	5	0.32
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	8	0.32
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	8	0.32
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	8	0.32
(1,7746)	1:390:A:PHE:HA	1:396:A:ILE:HD11	14	0.32
(1,7746)	1:390:A:PHE:HA	1:396:A:ILE:HD12	14	0.32
(1,7746)	1:390:A:PHE:HA	1:396:A:ILE:HD13	14	0.32
(1,7583)	1:380:A:LEU:HA	1:383:A:LYS:HD3	2	0.32
(1,7583)	1:380:A:LEU:HA	1:383:A:LYS:HD2	2	0.32
(1,6714)	1:316:A:ASN:HB3	1:388:A:GLU:HG3	18	0.32

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6714)	1:316:A:ASN:HB3	1:388:A:GLU:HG2	18	0.32
(1,6714)	1:316:A:ASN:HB2	1:388:A:GLU:HG3	18	0.32
(1,6714)	1:316:A:ASN:HB2	1:388:A:GLU:HG2	18	0.32
(1,4133)	1:182:A:GLU:HG3	1:183:A:GLY:H	2	0.32
(1,4133)	1:182:A:GLU:HG2	1:183:A:GLY:H	2	0.32
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	13	0.32
(1,2920)	1:118:A:GLN:HE22	1:294:A:LYS:HB3	15	0.32
(1,1981)	1:79:A:SER:HB2	1:224:A:TRP:HH2	13	0.32
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	20	0.32
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD11	15	0.31
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD12	15	0.31
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD13	15	0.31
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD11	15	0.31
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD12	15	0.31
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD13	15	0.31
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD11	15	0.31
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD12	15	0.31
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD13	15	0.31
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	11	0.31
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	11	0.31
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	11	0.31
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	11	0.31
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	11	0.31
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	11	0.31
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	11	0.31
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	11	0.31
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	11	0.31
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	13	0.31
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	13	0.31
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	13	0.31
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	13	0.31
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	13	0.31
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	13	0.31
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	13	0.31
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	13	0.31
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	13	0.31
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD21	19	0.31
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD22	19	0.31
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD23	19	0.31
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD21	19	0.31
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD22	19	0.31
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD23	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD21	19	0.31
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD22	19	0.31
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD23	19	0.31
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	9	0.31
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	9	0.31
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	9	0.31
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	6	0.31
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	6	0.31
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	6	0.31
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	6	0.31
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	6	0.31
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	6	0.31
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	6	0.31
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	6	0.31
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	6	0.31
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	7	0.31
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	7	0.31
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	7	0.31
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	7	0.31
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	7	0.31
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	7	0.31
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	7	0.31
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	7	0.31
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	7	0.31
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	7	0.31
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	7	0.31
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	7	0.31
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	7	0.31
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	7	0.31
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	7	0.31
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB1	10	0.31
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB2	10	0.31
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB3	10	0.31
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB1	10	0.31
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB2	10	0.31
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB3	10	0.31
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB1	10	0.31
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB2	10	0.31
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB3	10	0.31
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG21	19	0.31
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG22	19	0.31
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG23	19	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG21	19	0.31
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG22	19	0.31
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG23	19	0.31
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD11	14	0.31
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD12	14	0.31
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD13	14	0.31
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD11	14	0.31
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD12	14	0.31
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD13	14	0.31
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD11	14	0.31
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD12	14	0.31
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD13	14	0.31
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	18	0.31
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	18	0.31
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	18	0.31
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE1	17	0.31
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE2	17	0.31
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	5	0.31
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	5	0.31
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	5	0.31
(1,19654)	1:380:B:LEU:HA	1:462:B:ASP:HB3	20	0.31
(1,19654)	1:380:B:LEU:HA	1:462:B:ASP:HB2	20	0.31
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	7	0.31
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG3	14	0.31
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG2	14	0.31
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG3	16	0.31
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG2	16	0.31
(1,16272)	1:186:B:GLU:HG3	1:187:B:PHE:HA	18	0.31
(1,16272)	1:186:B:GLU:HG2	1:187:B:PHE:HA	18	0.31
(1,16259)	1:186:B:GLU:HG3	1:192:B:ARG:HG3	10	0.31
(1,16259)	1:186:B:GLU:HG3	1:192:B:ARG:HG2	10	0.31
(1,16259)	1:186:B:GLU:HG2	1:192:B:ARG:HG3	10	0.31
(1,16259)	1:186:B:GLU:HG2	1:192:B:ARG:HG2	10	0.31
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	10	0.31
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	2	0.31
(1,11087)	1:577:A:VAL:HB	1:578:A:LYS:HG3	1	0.31
(1,11087)	1:577:A:VAL:HB	1:578:A:LYS:HG2	1	0.31
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	6	0.31
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	6	0.31
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	6	0.31
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	15	0.31
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	15	0.31

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	15	0.31
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	15	0.31
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	15	0.31
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	15	0.31
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	15	0.31
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	15	0.31
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	15	0.31
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	7	0.31
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	7	0.31
(1,2920)	1:118:A:GLN:HE22	1:294:A:LYS:HB3	2	0.31
(1,2920)	1:118:A:GLN:HE22	1:294:A:LYS:HB3	10	0.31
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	13	0.31
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	3	0.31
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD21	3	0.31
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD22	3	0.31
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	10	0.31
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD11	17	0.3
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD12	17	0.3
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD13	17	0.3
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD11	17	0.3
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD12	17	0.3
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD13	17	0.3
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD11	17	0.3
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD12	17	0.3
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD13	17	0.3
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD11	18	0.3
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD12	18	0.3
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD13	18	0.3
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD11	18	0.3
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD12	18	0.3
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD13	18	0.3
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD11	18	0.3
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD12	18	0.3
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD13	18	0.3
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	1	0.3
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	1	0.3
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	1	0.3
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	1	0.3
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	1	0.3
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	1	0.3
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD11	1	0.3
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD12	1	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD13	1	0.3
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD11	1	0.3
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD12	1	0.3
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD13	1	0.3
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD11	1	0.3
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD12	1	0.3
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD13	1	0.3
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG21	14	0.3
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG22	14	0.3
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG23	14	0.3
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG21	14	0.3
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG22	14	0.3
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG23	14	0.3
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG21	14	0.3
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG22	14	0.3
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG23	14	0.3
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	13	0.3
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	13	0.3
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	13	0.3
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	14	0.3
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	14	0.3
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD3	16	0.3
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD2	16	0.3
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD3	16	0.3
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD2	16	0.3
(1,20776)	1:464:B:ILE:HD11	1:467:B:TRP:HZ3	7	0.3
(1,20776)	1:464:B:ILE:HD12	1:467:B:TRP:HZ3	7	0.3
(1,20776)	1:464:B:ILE:HD13	1:467:B:TRP:HZ3	7	0.3
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	5	0.3
(1,18805)	1:317:B:TYR:HB3	1:385:B:GLY:H	15	0.3
(1,18805)	1:317:B:TYR:HB2	1:385:B:GLY:H	15	0.3
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	20	0.3
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	11	0.3
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	6	0.3
(1,12079)	1:15:B:GLN:HG2	1:286:B:TRP:HB3	6	0.3
(1,7501)	1:375:A:TRP:HZ3	1:400:A:LEU:HA	19	0.3
(1,7273)	1:361:A:GLU:HG2	1:401:A:ARG:HH22	19	0.3
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	17	0.3
(1,5012)	1:215:A:GLU:HG3	1:220:A:THR:HB	11	0.3
(1,5012)	1:215:A:GLU:HG2	1:220:A:THR:HB	11	0.3
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	3	0.3
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	6	0.3

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	6	0.3
(1,4133)	1:182:A:GLU:HG3	1:183:A:GLY:H	8	0.3
(1,4133)	1:182:A:GLU:HG2	1:183:A:GLY:H	8	0.3
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	4	0.3
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	4	0.3
(1,2630)	1:102:A:THR:HG21	1:117:A:SER:HA	9	0.3
(1,2630)	1:102:A:THR:HG22	1:117:A:SER:HA	9	0.3
(1,2630)	1:102:A:THR:HG23	1:117:A:SER:HA	9	0.3
(1,1981)	1:79:A:SER:HB2	1:224:A:TRP:HH2	16	0.3
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	9	0.3
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD11	8	0.29
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD12	8	0.29
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD13	8	0.29
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD11	8	0.29
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD12	8	0.29
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD13	8	0.29
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD11	8	0.29
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD12	8	0.29
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD13	8	0.29
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	20	0.29
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	20	0.29
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	20	0.29
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	20	0.29
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	20	0.29
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	20	0.29
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	20	0.29
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	20	0.29
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	20	0.29
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD21	1	0.29
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD22	1	0.29
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD23	1	0.29
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD21	1	0.29
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD22	1	0.29
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD23	1	0.29
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD21	1	0.29
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD22	1	0.29
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD23	1	0.29
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	14	0.29
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	14	0.29
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	14	0.29
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	14	0.29
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	14	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	14	0.29
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	14	0.29
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	14	0.29
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	14	0.29
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	13	0.29
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	13	0.29
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	13	0.29
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	13	0.29
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	13	0.29
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	13	0.29
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	13	0.29
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	13	0.29
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	13	0.29
(1,24166)	1:441:A:ALA:HB1	2:10:C:ILE:HD11	1	0.29
(1,24166)	1:441:A:ALA:HB1	2:10:C:ILE:HD12	1	0.29
(1,24166)	1:441:A:ALA:HB1	2:10:C:ILE:HD13	1	0.29
(1,24166)	1:441:A:ALA:HB2	2:10:C:ILE:HD11	1	0.29
(1,24166)	1:441:A:ALA:HB2	2:10:C:ILE:HD12	1	0.29
(1,24166)	1:441:A:ALA:HB2	2:10:C:ILE:HD13	1	0.29
(1,24166)	1:441:A:ALA:HB3	2:10:C:ILE:HD11	1	0.29
(1,24166)	1:441:A:ALA:HB3	2:10:C:ILE:HD12	1	0.29
(1,24166)	1:441:A:ALA:HB3	2:10:C:ILE:HD13	1	0.29
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	2	0.29
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	2	0.29
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	2	0.29
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	2	0.29
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	2	0.29
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	2	0.29
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	2	0.29
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	2	0.29
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	2	0.29
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	5	0.29
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	5	0.29
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	1	0.29
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	1	0.29
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	1	0.29
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	1	0.29
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	1	0.29
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	1	0.29
(1,21104)	1:501:B:ALA:HA	1:502:B:LYS:HG3	13	0.29
(1,21104)	1:501:B:ALA:HA	1:502:B:LYS:HG2	13	0.29
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20446)	1:432:B:TYR:H	1:482:B:SER:HA	13	0.29
(1,20332)	1:424:B:LYS:HG3	1:454:B:GLY:HA3	13	0.29
(1,20332)	1:424:B:LYS:HG3	1:454:B:GLY:HA2	13	0.29
(1,20332)	1:424:B:LYS:HG2	1:454:B:GLY:HA3	13	0.29
(1,20332)	1:424:B:LYS:HG2	1:454:B:GLY:HA2	13	0.29
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG3	10	0.29
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG2	10	0.29
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	7	0.29
(1,17017)	1:212:B:LYS:HE3	1:214:B:GLU:HG3	6	0.29
(1,17017)	1:212:B:LYS:HE3	1:214:B:GLU:HG2	6	0.29
(1,17017)	1:212:B:LYS:HE2	1:214:B:GLU:HG3	6	0.29
(1,17017)	1:212:B:LYS:HE2	1:214:B:GLU:HG2	6	0.29
(1,15907)	1:154:B:TRP:HZ2	1:162:B:TYR:HB3	3	0.29
(1,15907)	1:154:B:TRP:HZ2	1:162:B:TYR:HB2	3	0.29
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB3	19	0.29
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB2	19	0.29
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB3	19	0.29
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB2	19	0.29
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB3	19	0.29
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB2	19	0.29
(1,14758)	1:104:B:SER:HA	1:105:B:PHE:HD1	18	0.29
(1,14758)	1:104:B:SER:HA	1:105:B:PHE:HD2	18	0.29
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	6	0.29
(1,13560)	1:66:B:ARG:HB2	1:211:B:GLU:H	12	0.29
(1,13402)	1:63:B:LEU:HB2	1:207:B:PRO:HG3	16	0.29
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	1	0.29
(1,11605)	1:599:A:GLN:HG3	1:603:A:ALA:H	16	0.29
(1,11605)	1:599:A:GLN:HG2	1:603:A:ALA:H	16	0.29
(1,11385)	1:591:A:GLU:HG3	1:592:A:TRP:HA	10	0.29
(1,11385)	1:591:A:GLU:HG2	1:592:A:TRP:HA	10	0.29
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	12	0.29
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	12	0.29
(1,10503)	1:552:A:LYS:HG3	1:556:A:ALA:HB1	16	0.29
(1,10503)	1:552:A:LYS:HG3	1:556:A:ALA:HB2	16	0.29
(1,10503)	1:552:A:LYS:HG3	1:556:A:ALA:HB3	16	0.29
(1,10503)	1:552:A:LYS:HG2	1:556:A:ALA:HB1	16	0.29
(1,10503)	1:552:A:LYS:HG2	1:556:A:ALA:HB2	16	0.29
(1,10503)	1:552:A:LYS:HG2	1:556:A:ALA:HB3	16	0.29
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	2	0.29
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	2	0.29
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	2	0.29
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	5	0.29

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	5	0.29
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	5	0.29
(1,10009)	1:536:A:PRO:HG3	1:596:A:LEU:HD21	12	0.29
(1,10009)	1:536:A:PRO:HG3	1:596:A:LEU:HD22	12	0.29
(1,10009)	1:536:A:PRO:HG3	1:596:A:LEU:HD23	12	0.29
(1,10009)	1:536:A:PRO:HG2	1:596:A:LEU:HD21	12	0.29
(1,10009)	1:536:A:PRO:HG2	1:596:A:LEU:HD22	12	0.29
(1,10009)	1:536:A:PRO:HG2	1:596:A:LEU:HD23	12	0.29
(1,8981)	1:500:A:SER:HB3	1:572:A:PRO:HB3	10	0.29
(1,8981)	1:500:A:SER:HB2	1:572:A:PRO:HB3	10	0.29
(1,8981)	1:500:A:SER:HB3	1:572:A:PRO:HB3	20	0.29
(1,8981)	1:500:A:SER:HB2	1:572:A:PRO:HB3	20	0.29
(1,8368)	1:432:A:TYR:H	1:482:A:SER:HA	2	0.29
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG3	6	0.29
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG2	6	0.29
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE3	12	0.29
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE2	12	0.29
(1,6122)	1:283:A:GLN:HG3	1:284:A:ALA:H	1	0.29
(1,6122)	1:283:A:GLN:HG2	1:284:A:ALA:H	1	0.29
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	2	0.29
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	10	0.29
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	14	0.29
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	18	0.29
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG11	5	0.28
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG12	5	0.28
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG13	5	0.28
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG11	2	0.28
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG12	2	0.28
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG13	2	0.28
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG11	2	0.28
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG12	2	0.28
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG13	2	0.28
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG11	2	0.28
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG12	2	0.28
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG13	2	0.28
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG11	7	0.28
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG12	7	0.28
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG13	7	0.28
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG11	7	0.28
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG12	7	0.28
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG13	7	0.28
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG11	7	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG12	7	0.28
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG13	7	0.28
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	6	0.28
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	6	0.28
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	6	0.28
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	6	0.28
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	6	0.28
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	6	0.28
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	6	0.28
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	6	0.28
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	6	0.28
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	9	0.28
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	9	0.28
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	9	0.28
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	9	0.28
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	9	0.28
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	9	0.28
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	9	0.28
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	9	0.28
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	9	0.28
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	13	0.28
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	13	0.28
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	13	0.28
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	13	0.28
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	13	0.28
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	13	0.28
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	13	0.28
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	13	0.28
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	13	0.28
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	2	0.28
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	2	0.28
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	2	0.28
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	2	0.28
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	2	0.28
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	2	0.28
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	2	0.28
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	2	0.28
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	2	0.28
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD21	13	0.28
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD22	13	0.28
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD23	13	0.28
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD21	13	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD22	13	0.28
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD23	13	0.28
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD21	13	0.28
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD22	13	0.28
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD23	13	0.28
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD21	20	0.28
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD22	20	0.28
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD23	20	0.28
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD21	20	0.28
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD22	20	0.28
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD23	20	0.28
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD21	20	0.28
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD22	20	0.28
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD23	20	0.28
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB1	1	0.28
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB2	1	0.28
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB3	1	0.28
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB1	1	0.28
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB2	1	0.28
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB3	1	0.28
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB1	1	0.28
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB2	1	0.28
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB3	1	0.28
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	9	0.28
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	9	0.28
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	9	0.28
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	12	0.28
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	12	0.28
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	6	0.28
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	6	0.28
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	6	0.28
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	6	0.28
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	1	0.28
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	1	0.28
(1,21055)	1:499:B:GLU:HG3	1:500:B:SER:HA	16	0.28
(1,21055)	1:499:B:GLU:HG2	1:500:B:SER:HA	16	0.28
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD21	19	0.28
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD22	19	0.28
(1,20451)	1:432:B:TYR:HB3	1:460:B:LEU:HD11	15	0.28
(1,20451)	1:432:B:TYR:HB3	1:460:B:LEU:HD12	15	0.28
(1,20451)	1:432:B:TYR:HB3	1:460:B:LEU:HD13	15	0.28
(1,20451)	1:432:B:TYR:HB2	1:460:B:LEU:HD11	15	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20451)	1:432:B:TYR:HB2	1:460:B:LEU:HD12	15	0.28
(1,20451)	1:432:B:TYR:HB2	1:460:B:LEU:HD13	15	0.28
(1,20328)	1:424:B:LYS:H	1:455:B:ILE:HA	8	0.28
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD11	12	0.28
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD12	12	0.28
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD13	12	0.28
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	17	0.28
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	17	0.28
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	17	0.28
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	18	0.28
(1,19007)	1:334:B:VAL:HG21	1:338:B:ILE:HB	19	0.28
(1,19007)	1:334:B:VAL:HG22	1:338:B:ILE:HB	19	0.28
(1,19007)	1:334:B:VAL:HG23	1:338:B:ILE:HB	19	0.28
(1,18244)	1:286:B:TRP:HZ3	1:289:B:TRP:H	7	0.28
(1,16651)	1:202:B:ASP:H	1:245:B:GLU:HG3	12	0.28
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	13	0.28
(1,16148)	1:177:B:THR:HA	1:178:B:LEU:HB3	16	0.28
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	7	0.28
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	19	0.28
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	3	0.28
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	9	0.28
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	12	0.28
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	2	0.28
(1,10417)	1:548:A:THR:HA	1:560:A:LYS:HA	4	0.28
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	15	0.28
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	15	0.28
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	15	0.28
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	15	0.28
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	15	0.28
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	15	0.28
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	15	0.28
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	15	0.28
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	15	0.28
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	15	0.28
(1,9964)	1:534:A:ASP:HB3	1:574:A:HIS:HE1	4	0.28
(1,9964)	1:534:A:ASP:HB2	1:574:A:HIS:HE1	4	0.28
(1,8882)	1:496:A:GLU:HB3	1:532:A:LEU:HD21	6	0.28
(1,8882)	1:496:A:GLU:HB2	1:532:A:LEU:HD21	6	0.28
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	11	0.28
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	11	0.28
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	11	0.28
(1,6247)	1:294:A:LYS:HD3	1:309:A:ASP:HB3	18	0.28

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6247)	1:294:A:LYS:HD3	1:309:A:ASP:HB2	18	0.28
(1,6247)	1:294:A:LYS:HD2	1:309:A:ASP:HB3	18	0.28
(1,6247)	1:294:A:LYS:HD2	1:309:A:ASP:HB2	18	0.28
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG3	14	0.28
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG2	14	0.28
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	10	0.28
(1,2690)	1:105:A:PHE:HZ	1:286:A:TRP:HH2	17	0.28
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	7	0.28
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	15	0.28
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	4	0.28
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG21	14	0.27
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG22	14	0.27
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG23	14	0.27
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG21	14	0.27
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG22	14	0.27
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG23	14	0.27
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG21	14	0.27
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG22	14	0.27
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG23	14	0.27
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	6	0.27
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	6	0.27
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	6	0.27
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	6	0.27
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	6	0.27
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	6	0.27
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	6	0.27
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	6	0.27
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	6	0.27
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	15	0.27
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	15	0.27
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	15	0.27
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	15	0.27
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	15	0.27
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	15	0.27
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	15	0.27
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	15	0.27
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	15	0.27
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	6	0.27
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	6	0.27
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	6	0.27
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	13	0.27
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	13	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	13	0.27
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	11	0.27
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	11	0.27
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	11	0.27
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	11	0.27
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	11	0.27
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	11	0.27
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	11	0.27
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	11	0.27
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	11	0.27
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	11	0.27
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	11	0.27
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	11	0.27
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	11	0.27
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	11	0.27
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	11	0.27
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	11	0.27
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	11	0.27
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	11	0.27
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG21	4	0.27
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG22	4	0.27
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG23	4	0.27
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG21	4	0.27
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG22	4	0.27
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG23	4	0.27
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG21	4	0.27
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG22	4	0.27
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG23	4	0.27
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	3	0.27
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	3	0.27
(1,22303)	1:541:B:THR:HA	1:566:B:TYR:HA	12	0.27
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG3	2	0.27
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG2	2	0.27
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG3	14	0.27
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG2	14	0.27
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG3	18	0.27
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG2	18	0.27
(1,20776)	1:464:B:ILE:HD11	1:467:B:TRP:HZ3	12	0.27
(1,20776)	1:464:B:ILE:HD12	1:467:B:TRP:HZ3	12	0.27
(1,20776)	1:464:B:ILE:HD13	1:467:B:TRP:HZ3	12	0.27
(1,20772)	1:464:B:ILE:HG13	1:468:B:MET:HB3	10	0.27
(1,20772)	1:464:B:ILE:HG13	1:468:B:MET:HB2	10	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20772)	1:464:B:ILE:HG12	1:468:B:MET:HB3	10	0.27
(1,20772)	1:464:B:ILE:HG12	1:468:B:MET:HB2	10	0.27
(1,20440)	1:431:B:TYR:HD1	1:456:B:GLU:H	11	0.27
(1,20440)	1:431:B:TYR:HD2	1:456:B:GLU:H	11	0.27
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	5	0.27
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	14	0.27
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	14	0.27
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	14	0.27
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	15	0.27
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	15	0.27
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	15	0.27
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	18	0.27
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	17	0.27
(1,18335)	1:295:B:HIS:HE1	1:316:B:ASN:HD21	5	0.27
(1,18335)	1:295:B:HIS:HE1	1:316:B:ASN:HD22	5	0.27
(1,18323)	1:294:B:LYS:H	1:319:B:ARG:HD3	8	0.27
(1,18323)	1:294:B:LYS:H	1:319:B:ARG:HD2	8	0.27
(1,18244)	1:286:B:TRP:HZ3	1:289:B:TRP:H	13	0.27
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	3	0.27
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	1	0.27
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	12	0.27
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	12	0.27
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	13	0.27
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	13	0.27
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	14	0.27
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB1	5	0.27
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB2	5	0.27
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB3	5	0.27
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB1	5	0.27
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB2	5	0.27
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB3	5	0.27
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD21	15	0.27
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD22	15	0.27
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	6	0.27
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	20	0.27
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	9	0.27
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG11	11	0.27
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG12	11	0.27
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG13	11	0.27
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG11	11	0.27
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG12	11	0.27
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG13	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	8	0.27
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	8	0.27
(1,10326)	1:546:A:MET:HB3	1:605:A:ARG:HD3	5	0.27
(1,10326)	1:546:A:MET:HB3	1:605:A:ARG:HD2	5	0.27
(1,10326)	1:546:A:MET:HB2	1:605:A:ARG:HD3	5	0.27
(1,10326)	1:546:A:MET:HB2	1:605:A:ARG:HD2	5	0.27
(1,9963)	1:534:A:ASP:HA	1:574:A:HIS:HA	2	0.27
(1,9026)	1:501:A:ALA:HA	1:502:A:LYS:HG3	14	0.27
(1,9026)	1:501:A:ALA:HA	1:502:A:LYS:HG2	14	0.27
(1,8900)	1:497:A:VAL:HB	1:532:A:LEU:HA	5	0.27
(1,8848)	1:481:A:GLN:HE21	1:482:A:SER:H	7	0.27
(1,8848)	1:481:A:GLN:HE22	1:482:A:SER:H	7	0.27
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	6	0.27
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	6	0.27
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	6	0.27
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	10	0.27
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	10	0.27
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	10	0.27
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	10	0.27
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	10	0.27
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	10	0.27
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	10	0.27
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	10	0.27
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	10	0.27
(1,6825)	1:322:A:ARG:HD3	1:323:A:GLY:H	11	0.27
(1,6825)	1:322:A:ARG:HD2	1:323:A:GLY:H	11	0.27
(1,6115)	1:283:A:GLN:HA	1:377:A:GLN:HA	20	0.27
(1,5585)	1:253:A:ILE:HD11	1:322:A:ARG:HD3	13	0.27
(1,5585)	1:253:A:ILE:HD11	1:322:A:ARG:HD2	13	0.27
(1,5585)	1:253:A:ILE:HD12	1:322:A:ARG:HD3	13	0.27
(1,5585)	1:253:A:ILE:HD12	1:322:A:ARG:HD2	13	0.27
(1,5585)	1:253:A:ILE:HD13	1:322:A:ARG:HD3	13	0.27
(1,5585)	1:253:A:ILE:HD13	1:322:A:ARG:HD2	13	0.27
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	10	0.27
(1,4978)	1:213:A:ARG:HA	1:214:A:GLU:HG3	14	0.27
(1,4978)	1:213:A:ARG:HA	1:214:A:GLU:HG2	14	0.27
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	20	0.27
(1,2811)	1:110:A:GLY:H	1:113:A:GLN:HE21	20	0.27
(1,2811)	1:110:A:GLY:H	1:113:A:GLN:HE22	20	0.27
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	5	0.27
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	10	0.27
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	11	0.27

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD11	17	0.26
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD12	17	0.26
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD13	17	0.26
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD11	17	0.26
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD12	17	0.26
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD13	17	0.26
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD11	17	0.26
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD12	17	0.26
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD13	17	0.26
(1,24203)	1:317:A:TYR:HD1	2:29:C:LEU:HD21	18	0.26
(1,24203)	1:317:A:TYR:HD1	2:29:C:LEU:HD22	18	0.26
(1,24203)	1:317:A:TYR:HD1	2:29:C:LEU:HD23	18	0.26
(1,24203)	1:317:A:TYR:HD2	2:29:C:LEU:HD21	18	0.26
(1,24203)	1:317:A:TYR:HD2	2:29:C:LEU:HD22	18	0.26
(1,24203)	1:317:A:TYR:HD2	2:29:C:LEU:HD23	18	0.26
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	1	0.26
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	1	0.26
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	1	0.26
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	1	0.26
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	1	0.26
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	1	0.26
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	1	0.26
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	1	0.26
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	1	0.26
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	17	0.26
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	17	0.26
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	17	0.26
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	17	0.26
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	17	0.26
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	17	0.26
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	17	0.26
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	17	0.26
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	17	0.26
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	16	0.26
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	16	0.26
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	16	0.26
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD11	15	0.26
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD12	15	0.26
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD13	15	0.26
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD11	15	0.26
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD12	15	0.26
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD13	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD11	15	0.26
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD12	15	0.26
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD13	15	0.26
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	13	0.26
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	13	0.26
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	13	0.26
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	13	0.26
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	13	0.26
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	13	0.26
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	10	0.26
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	10	0.26
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	10	0.26
(1,23463)	1:591:B:GLU:HG3	1:592:B:TRP:HA	2	0.26
(1,23463)	1:591:B:GLU:HG2	1:592:B:TRP:HA	2	0.26
(1,23165)	1:577:B:VAL:HB	1:578:B:LYS:HG3	12	0.26
(1,23165)	1:577:B:VAL:HB	1:578:B:LYS:HG2	12	0.26
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	4	0.26
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	4	0.26
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	4	0.26
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	4	0.26
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	4	0.26
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	4	0.26
(1,21311)	1:510:B:PRO:HA	1:514:B:ARG:HG3	16	0.26
(1,21311)	1:510:B:PRO:HA	1:514:B:ARG:HG2	16	0.26
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE1	10	0.26
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE2	10	0.26
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	12	0.26
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	12	0.26
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	12	0.26
(1,20080)	1:405:B:THR:HG21	1:457:B:VAL:HB	20	0.26
(1,20080)	1:405:B:THR:HG22	1:457:B:VAL:HB	20	0.26
(1,20080)	1:405:B:THR:HG23	1:457:B:VAL:HB	20	0.26
(1,19797)	1:387:B:ALA:HA	1:471:B:TYR:HE1	1	0.26
(1,19797)	1:387:B:ALA:HA	1:471:B:TYR:HE2	1	0.26
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	12	0.26
(1,19654)	1:380:B:LEU:HA	1:462:B:ASP:HB3	14	0.26
(1,19654)	1:380:B:LEU:HA	1:462:B:ASP:HB2	14	0.26
(1,18903)	1:322:B:ARG:HD3	1:323:B:GLY:H	12	0.26
(1,18903)	1:322:B:ARG:HD2	1:323:B:GLY:H	12	0.26
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	15	0.26
(1,18325)	1:294:B:LYS:HD3	1:309:B:ASP:HB3	6	0.26
(1,18325)	1:294:B:LYS:HD3	1:309:B:ASP:HB2	6	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18325)	1:294:B:LYS:HD2	1:309:B:ASP:HB3	6	0.26
(1,18325)	1:294:B:LYS:HD2	1:309:B:ASP:HB2	6	0.26
(1,14778)	1:105:B:PHE:HA	1:111:B:SER:H	6	0.26
(1,14749)	1:104:B:SER:HB3	1:106:B:LEU:H	11	0.26
(1,14749)	1:104:B:SER:HB2	1:106:B:LEU:H	11	0.26
(1,14708)	1:102:B:THR:HG21	1:117:B:SER:HA	11	0.26
(1,14708)	1:102:B:THR:HG22	1:117:B:SER:HA	11	0.26
(1,14708)	1:102:B:THR:HG23	1:117:B:SER:HA	11	0.26
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	20	0.26
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	20	0.26
(1,13402)	1:63:B:LEU:HB2	1:207:B:PRO:HG3	14	0.26
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	20	0.26
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	1	0.26
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	1	0.26
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	1	0.26
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	1	0.26
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	1	0.26
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	1	0.26
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	19	0.26
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	19	0.26
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	19	0.26
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	19	0.26
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	19	0.26
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	19	0.26
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD21	4	0.26
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD22	4	0.26
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD23	4	0.26
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD21	4	0.26
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD22	4	0.26
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD23	4	0.26
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	16	0.26
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG3	14	0.26
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG2	14	0.26
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD11	4	0.26
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD12	4	0.26
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD13	4	0.26
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD11	15	0.26
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD12	15	0.26
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD13	15	0.26
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD11	15	0.26
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD12	15	0.26
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD13	15	0.26

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD11	15	0.26
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD12	15	0.26
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD13	15	0.26
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	11	0.26
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	4	0.26
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	13	0.26
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	6	0.26
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	17	0.26
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	19	0.26
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	6	0.26
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	15	0.25
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	15	0.25
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	15	0.25
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	15	0.25
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	15	0.25
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	15	0.25
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	15	0.25
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	15	0.25
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	15	0.25
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB1	6	0.25
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB2	6	0.25
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB3	6	0.25
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB1	6	0.25
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB2	6	0.25
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB3	6	0.25
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB1	6	0.25
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB2	6	0.25
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB3	6	0.25
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	11	0.25
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	11	0.25
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	11	0.25
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	11	0.25
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	11	0.25
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	11	0.25
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	11	0.25
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	11	0.25
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	11	0.25
(1,23964)	1:613:B:LEU:HD11	1:616:B:ARG:HD3	20	0.25
(1,23964)	1:613:B:LEU:HD11	1:616:B:ARG:HD2	20	0.25
(1,23964)	1:613:B:LEU:HD12	1:616:B:ARG:HD3	20	0.25
(1,23964)	1:613:B:LEU:HD12	1:616:B:ARG:HD2	20	0.25
(1,23964)	1:613:B:LEU:HD13	1:616:B:ARG:HD3	20	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23964)	1:613:B:LEU:HD13	1:616:B:ARG:HD2	20	0.25
(1,22042)	1:534:B:ASP:HB3	1:574:B:HIS:HE1	7	0.25
(1,22042)	1:534:B:ASP:HB2	1:574:B:HIS:HE1	7	0.25
(1,20858)	1:472:B:LEU:HD21	1:474:B:GLU:H	16	0.25
(1,20858)	1:472:B:LEU:HD22	1:474:B:GLU:H	16	0.25
(1,20858)	1:472:B:LEU:HD23	1:474:B:GLU:H	16	0.25
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	14	0.25
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	14	0.25
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	14	0.25
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	19	0.25
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	19	0.25
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	19	0.25
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG21	2	0.25
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG22	2	0.25
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG23	2	0.25
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG21	2	0.25
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG22	2	0.25
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG23	2	0.25
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG21	2	0.25
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG22	2	0.25
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG23	2	0.25
(1,18337)	1:295:B:HIS:HE1	1:311:B:GLU:HA	18	0.25
(1,18309)	1:291:B:ARG:HA	1:293:B:HIS:HA	17	0.25
(1,17870)	1:265:B:HIS:H	1:266:B:ASN:HD21	20	0.25
(1,17870)	1:265:B:HIS:H	1:266:B:ASN:HD22	20	0.25
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD3	3	0.25
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD2	3	0.25
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD3	5	0.25
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD2	5	0.25
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	6	0.25
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	3	0.25
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	4	0.25
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	5	0.25
(1,14967)	1:116:B:ASP:HA	1:119:B:LEU:HB3	6	0.25
(1,14967)	1:116:B:ASP:HA	1:119:B:LEU:HB2	6	0.25
(1,14707)	1:102:B:THR:HB	1:117:B:SER:HA	14	0.25
(1,14707)	1:102:B:THR:HB	1:117:B:SER:HA	20	0.25
(1,14703)	1:102:B:THR:HG21	1:119:B:LEU:HB3	6	0.25
(1,14703)	1:102:B:THR:HG21	1:119:B:LEU:HB2	6	0.25
(1,14703)	1:102:B:THR:HG22	1:119:B:LEU:HB3	6	0.25
(1,14703)	1:102:B:THR:HG22	1:119:B:LEU:HB2	6	0.25
(1,14703)	1:102:B:THR:HG23	1:119:B:LEU:HB3	6	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14703)	1:102:B:THR:HG23	1:119:B:LEU:HB2	6	0.25
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	1	0.25
(1,13402)	1:63:B:LEU:HB2	1:207:B:PRO:HG3	15	0.25
(1,12406)	1:29:B:GLU:HA	1:196:B:ILE:HG12	5	0.25
(1,12293)	1:23:B:SER:HA	1:30:B:ILE:HD11	12	0.25
(1,12293)	1:23:B:SER:HA	1:30:B:ILE:HD12	12	0.25
(1,12293)	1:23:B:SER:HA	1:30:B:ILE:HD13	12	0.25
(1,12173)	1:19:B:LEU:HA	1:257:B:PHE:HZ	5	0.25
(1,10436)	1:549:A:GLN:HE21	1:605:A:ARG:HD3	3	0.25
(1,10436)	1:549:A:GLN:HE21	1:605:A:ARG:HD2	3	0.25
(1,10436)	1:549:A:GLN:HE22	1:605:A:ARG:HD3	3	0.25
(1,10436)	1:549:A:GLN:HE22	1:605:A:ARG:HD2	3	0.25
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	18	0.25
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	18	0.25
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	14	0.25
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	14	0.25
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	14	0.25
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	14	0.25
(1,8924)	1:497:A:VAL:HG21	1:530:A:HIS:HB3	18	0.25
(1,8924)	1:497:A:VAL:HG22	1:530:A:HIS:HB3	18	0.25
(1,8924)	1:497:A:VAL:HG23	1:530:A:HIS:HB3	18	0.25
(1,8921)	1:497:A:VAL:H	1:530:A:HIS:HB3	18	0.25
(1,8664)	1:460:A:LEU:HD21	1:465:A:ASP:HA	9	0.25
(1,8664)	1:460:A:LEU:HD22	1:465:A:ASP:HA	9	0.25
(1,8664)	1:460:A:LEU:HD23	1:465:A:ASP:HA	9	0.25
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB3	15	0.25
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB2	15	0.25
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB3	15	0.25
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB2	15	0.25
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	10	0.25
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	10	0.25
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	10	0.25
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	15	0.25
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	15	0.25
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	15	0.25
(1,8043)	1:408:A:ASP:HB2	1:451:A:ARG:HH22	12	0.25
(1,7529)	1:376:A:GLN:HG3	1:412:A:GLN:HE21	18	0.25
(1,7529)	1:376:A:GLN:HG3	1:412:A:GLN:HE22	18	0.25
(1,7529)	1:376:A:GLN:HG2	1:412:A:GLN:HE21	18	0.25
(1,7529)	1:376:A:GLN:HG2	1:412:A:GLN:HE22	18	0.25
(1,6825)	1:322:A:ARG:HD3	1:323:A:GLY:H	14	0.25
(1,6825)	1:322:A:ARG:HD2	1:323:A:GLY:H	14	0.25

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD3	10	0.25
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD2	10	0.25
(1,5828)	1:268:A:VAL:HG11	1:276:A:SER:H	12	0.25
(1,5828)	1:268:A:VAL:HG12	1:276:A:SER:H	12	0.25
(1,5828)	1:268:A:VAL:HG13	1:276:A:SER:H	12	0.25
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	9	0.25
(1,4291)	1:191:A:TRP:HE1	1:192:A:ARG:HA	3	0.25
(1,4070)	1:177:A:THR:HA	1:178:A:LEU:HB3	15	0.25
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	11	0.25
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	3	0.25
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	16	0.25
(1,2630)	1:102:A:THR:HG21	1:117:A:SER:HA	6	0.25
(1,2630)	1:102:A:THR:HG22	1:117:A:SER:HA	6	0.25
(1,2630)	1:102:A:THR:HG23	1:117:A:SER:HA	6	0.25
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	3	0.25
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	1	0.25
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG11	8	0.24
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG12	8	0.24
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG13	8	0.24
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG11	8	0.24
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG12	8	0.24
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG13	8	0.24
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG11	8	0.24
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG12	8	0.24
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG13	8	0.24
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	7	0.24
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	7	0.24
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	7	0.24
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	7	0.24
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	7	0.24
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	7	0.24
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	7	0.24
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	7	0.24
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	7	0.24
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD11	12	0.24
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD12	12	0.24
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD13	12	0.24
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD11	12	0.24
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD12	12	0.24
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD13	12	0.24
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD11	12	0.24
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD12	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD13	12	0.24
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD11	20	0.24
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD12	20	0.24
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD13	20	0.24
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD11	20	0.24
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD12	20	0.24
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD13	20	0.24
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD11	20	0.24
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD12	20	0.24
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD13	20	0.24
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	18	0.24
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	18	0.24
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	18	0.24
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	18	0.24
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	18	0.24
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	18	0.24
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	18	0.24
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	18	0.24
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	18	0.24
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE1	1	0.24
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE2	1	0.24
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE3	1	0.24
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE1	1	0.24
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE2	1	0.24
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE3	1	0.24
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE1	1	0.24
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE2	1	0.24
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE3	1	0.24
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE1	17	0.24
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE2	17	0.24
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE3	17	0.24
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE1	17	0.24
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE2	17	0.24
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE3	17	0.24
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE1	17	0.24
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE2	17	0.24
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE3	17	0.24
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	16	0.24
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	16	0.24
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	16	0.24
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	16	0.24
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	16	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	16	0.24
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	16	0.24
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	16	0.24
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	16	0.24
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	6	0.24
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	6	0.24
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	6	0.24
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	6	0.24
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	6	0.24
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	6	0.24
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	6	0.24
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	6	0.24
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	6	0.24
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	12	0.24
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	12	0.24
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	12	0.24
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	12	0.24
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	12	0.24
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	12	0.24
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	19	0.24
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	19	0.24
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	19	0.24
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	19	0.24
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	19	0.24
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	19	0.24
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG21	2	0.24
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG22	2	0.24
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG23	2	0.24
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG21	2	0.24
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG22	2	0.24
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG23	2	0.24
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG21	2	0.24
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG22	2	0.24
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG23	2	0.24
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	12	0.24
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	12	0.24
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	12	0.24
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	14	0.24
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	14	0.24
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	14	0.24
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	12	0.24
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	12	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	8	0.24
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	8	0.24
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	8	0.24
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	8	0.24
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	9	0.24
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	9	0.24
(1,20858)	1:472:B:LEU:HD21	1:474:B:GLU:H	8	0.24
(1,20858)	1:472:B:LEU:HD22	1:474:B:GLU:H	8	0.24
(1,20858)	1:472:B:LEU:HD23	1:474:B:GLU:H	8	0.24
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE1	12	0.24
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE2	12	0.24
(1,20378)	1:429:B:LYS:HD3	1:481:B:GLN:HB3	14	0.24
(1,20378)	1:429:B:LYS:HD3	1:481:B:GLN:HB2	14	0.24
(1,20378)	1:429:B:LYS:HD2	1:481:B:GLN:HB3	14	0.24
(1,20378)	1:429:B:LYS:HD2	1:481:B:GLN:HB2	14	0.24
(1,20335)	1:424:B:LYS:H	1:427:B:GLN:HE21	18	0.24
(1,20335)	1:424:B:LYS:H	1:427:B:GLN:HE22	18	0.24
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	20	0.24
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	20	0.24
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	20	0.24
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	6	0.24
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	6	0.24
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	6	0.24
(1,18758)	1:314:B:MET:HB3	1:319:B:ARG:HA	3	0.24
(1,18758)	1:314:B:MET:HB2	1:319:B:ARG:HA	3	0.24
(1,18323)	1:294:B:LYS:H	1:319:B:ARG:HD3	17	0.24
(1,18323)	1:294:B:LYS:H	1:319:B:ARG:HD2	17	0.24
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	14	0.24
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	8	0.24
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	7	0.24
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	7	0.24
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	4	0.24
(1,16369)	1:191:B:TRP:HE1	1:192:B:ARG:HA	13	0.24
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	1	0.24
(1,15685)	1:142:B:ARG:HG3	1:148:B:PRO:HA	19	0.24
(1,15685)	1:142:B:ARG:HG2	1:148:B:PRO:HA	19	0.24
(1,15669)	1:142:B:ARG:H	1:169:B:LYS:HE3	19	0.24
(1,15669)	1:142:B:ARG:H	1:169:B:LYS:HE2	19	0.24
(1,14779)	1:105:B:PHE:HD2	1:110:B:GLY:H	3	0.24
(1,14708)	1:102:B:THR:HG21	1:117:B:SER:HA	14	0.24
(1,14708)	1:102:B:THR:HG22	1:117:B:SER:HA	14	0.24
(1,14708)	1:102:B:THR:HG23	1:117:B:SER:HA	14	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14647)	1:98:B:ALA:HA	1:154:B:TRP:HZ2	3	0.24
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	11	0.24
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	15	0.24
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	15	0.24
(1,12442)	1:30:B:ILE:HG13	1:257:B:PHE:HE2	7	0.24
(1,12442)	1:30:B:ILE:HG12	1:257:B:PHE:HE2	7	0.24
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD11	17	0.24
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD12	17	0.24
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD13	17	0.24
(1,10689)	1:560:A:LYS:HE3	1:566:A:TYR:H	3	0.24
(1,10689)	1:560:A:LYS:HE2	1:566:A:TYR:H	3	0.24
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	9	0.24
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	9	0.24
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	16	0.24
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	16	0.24
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	1	0.24
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	1	0.24
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	1	0.24
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	1	0.24
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	6	0.24
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	6	0.24
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	6	0.24
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	6	0.24
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	17	0.24
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	17	0.24
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	17	0.24
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	17	0.24
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	20	0.24
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	20	0.24
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	20	0.24
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	20	0.24
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	12	0.24
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	12	0.24
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	12	0.24
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	12	0.24
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	12	0.24
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	12	0.24
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD21	14	0.24
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD22	14	0.24
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG11	18	0.24
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG12	18	0.24
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG13	18	0.24

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8368)	1:432:A:TYR:H	1:482:A:SER:HA	16	0.24
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	2	0.24
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	2	0.24
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	2	0.24
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE3	17	0.24
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE2	17	0.24
(1,6166)	1:286:A:TRP:HZ3	1:289:A:TRP:H	4	0.24
(1,5584)	1:253:A:ILE:HB	1:322:A:ARG:HD3	19	0.24
(1,5584)	1:253:A:ILE:HB	1:322:A:ARG:HD2	19	0.24
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	5	0.24
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	20	0.24
(1,2205)	1:86:A:THR:HB	1:87:A:ARG:H	4	0.24
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	6	0.24
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	6	0.24
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	11	0.24
(1,472)	1:32:A:LEU:HD11	1:187:A:PHE:HB2	3	0.24
(1,328)	1:29:A:GLU:HA	1:196:A:ILE:HG12	5	0.24
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	12	0.23
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	12	0.23
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	12	0.23
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	12	0.23
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	12	0.23
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	12	0.23
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	12	0.23
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	12	0.23
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	12	0.23
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD21	18	0.23
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD22	18	0.23
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD23	18	0.23
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD21	18	0.23
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD22	18	0.23
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD23	18	0.23
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD21	18	0.23
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD22	18	0.23
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD23	18	0.23
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	17	0.23
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	17	0.23
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	17	0.23
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	17	0.23
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	17	0.23
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	17	0.23
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	17	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	17	0.23
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	17	0.23
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	4	0.23
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	4	0.23
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	4	0.23
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	4	0.23
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	4	0.23
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	4	0.23
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	4	0.23
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	4	0.23
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	4	0.23
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	5	0.23
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	5	0.23
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	5	0.23
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	5	0.23
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	5	0.23
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	5	0.23
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	5	0.23
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	5	0.23
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	5	0.23
(1,24174)	1:353:A:THR:HG21	2:28:C:LEU:HD21	13	0.23
(1,24174)	1:353:A:THR:HG21	2:28:C:LEU:HD22	13	0.23
(1,24174)	1:353:A:THR:HG21	2:28:C:LEU:HD23	13	0.23
(1,24174)	1:353:A:THR:HG22	2:28:C:LEU:HD21	13	0.23
(1,24174)	1:353:A:THR:HG22	2:28:C:LEU:HD22	13	0.23
(1,24174)	1:353:A:THR:HG22	2:28:C:LEU:HD23	13	0.23
(1,24174)	1:353:A:THR:HG23	2:28:C:LEU:HD21	13	0.23
(1,24174)	1:353:A:THR:HG23	2:28:C:LEU:HD22	13	0.23
(1,24174)	1:353:A:THR:HG23	2:28:C:LEU:HD23	13	0.23
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD11	7	0.23
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD12	7	0.23
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD13	7	0.23
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD11	7	0.23
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD12	7	0.23
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD13	7	0.23
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD11	7	0.23
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD12	7	0.23
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD13	7	0.23
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG21	1	0.23
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG22	1	0.23
(1,24160)	1:455:A:ILE:HD11	2:5:C:THR:HG23	1	0.23
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG21	1	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG22	1	0.23
(1,24160)	1:455:A:ILE:HD12	2:5:C:THR:HG23	1	0.23
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG21	1	0.23
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG22	1	0.23
(1,24160)	1:455:A:ILE:HD13	2:5:C:THR:HG23	1	0.23
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	4	0.23
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	4	0.23
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	4	0.23
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG11	5	0.23
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG12	5	0.23
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG13	5	0.23
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG11	5	0.23
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG12	5	0.23
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG13	5	0.23
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG11	5	0.23
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG12	5	0.23
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG13	5	0.23
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	12	0.23
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	12	0.23
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	12	0.23
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	12	0.23
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	12	0.23
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	12	0.23
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	12	0.23
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	12	0.23
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	19	0.23
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	19	0.23
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	15	0.23
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	15	0.23
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	15	0.23
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	15	0.23
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	17	0.23
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	17	0.23
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	17	0.23
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	17	0.23
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD3	15	0.23
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD2	15	0.23
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD3	15	0.23
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD2	15	0.23
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	18	0.23
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	18	0.23
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	18	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	18	0.23
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	18	0.23
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	18	0.23
(1,22183)	1:538:B:ILE:H	1:568:B:PHE:HZ	3	0.23
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD21	12	0.23
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD22	12	0.23
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD23	12	0.23
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD21	12	0.23
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD22	12	0.23
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD23	12	0.23
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD21	12	0.23
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD22	12	0.23
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD23	12	0.23
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	13	0.23
(1,20775)	1:464:B:ILE:HD11	1:467:B:TRP:HE3	2	0.23
(1,20775)	1:464:B:ILE:HD12	1:467:B:TRP:HE3	2	0.23
(1,20775)	1:464:B:ILE:HD13	1:467:B:TRP:HE3	2	0.23
(1,20593)	1:442:B:LYS:HA	1:447:B:LEU:HD21	1	0.23
(1,20593)	1:442:B:LYS:HA	1:447:B:LEU:HD22	1	0.23
(1,20593)	1:442:B:LYS:HA	1:447:B:LEU:HD23	1	0.23
(1,20362)	1:427:B:GLN:HG3	1:429:B:LYS:H	18	0.23
(1,20362)	1:427:B:GLN:HG2	1:429:B:LYS:H	18	0.23
(1,19801)	1:387:B:ALA:H	1:467:B:TRP:HH2	8	0.23
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	6	0.23
(1,19661)	1:380:B:LEU:HA	1:383:B:LYS:HD3	2	0.23
(1,19661)	1:380:B:LEU:HA	1:383:B:LYS:HD2	2	0.23
(1,19661)	1:380:B:LEU:HA	1:383:B:LYS:HD3	16	0.23
(1,19661)	1:380:B:LEU:HA	1:383:B:LYS:HD2	16	0.23
(1,19144)	1:346:B:ARG:HG3	1:350:B:ASN:HD21	18	0.23
(1,19144)	1:346:B:ARG:HG3	1:350:B:ASN:HD22	18	0.23
(1,19144)	1:346:B:ARG:HG2	1:350:B:ASN:HD21	18	0.23
(1,19144)	1:346:B:ARG:HG2	1:350:B:ASN:HD22	18	0.23
(1,18903)	1:322:B:ARG:HD3	1:323:B:GLY:H	18	0.23
(1,18903)	1:322:B:ARG:HD2	1:323:B:GLY:H	18	0.23
(1,17912)	1:268:B:VAL:HB	1:274:B:TYR:H	17	0.23
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	4	0.23
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	17	0.23
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	17	0.23
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	20	0.23
(1,14768)	1:105:B:PHE:HZ	1:286:B:TRP:HH2	12	0.23
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	10	0.23
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	15	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD21	10	0.23
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD22	10	0.23
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD21	20	0.23
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD22	20	0.23
(1,13389)	1:61:B:GLY:H	1:62:B:GLU:HG3	10	0.23
(1,13389)	1:61:B:GLY:H	1:62:B:GLU:HG2	10	0.23
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	3	0.23
(1,12246)	1:22:B:HIS:HB3	1:257:B:PHE:HD2	5	0.23
(1,12246)	1:22:B:HIS:HB2	1:257:B:PHE:HD2	5	0.23
(1,11385)	1:591:A:GLU:HG3	1:592:A:TRP:HA	12	0.23
(1,11385)	1:591:A:GLU:HG2	1:592:A:TRP:HA	12	0.23
(1,11107)	1:579:A:ARG:HB3	1:592:A:TRP:HH2	19	0.23
(1,11107)	1:579:A:ARG:HB2	1:592:A:TRP:HH2	19	0.23
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	3	0.23
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	3	0.23
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	9	0.23
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	9	0.23
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	18	0.23
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	18	0.23
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	18	0.23
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	18	0.23
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	18	0.23
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	18	0.23
(1,8997)	1:500:A:SER:HB3	1:502:A:LYS:H	4	0.23
(1,8997)	1:500:A:SER:HB2	1:502:A:LYS:H	4	0.23
(1,8997)	1:500:A:SER:HB3	1:502:A:LYS:H	9	0.23
(1,8997)	1:500:A:SER:HB2	1:502:A:LYS:H	9	0.23
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	13	0.23
(1,8981)	1:500:A:SER:HB3	1:572:A:PRO:HB3	3	0.23
(1,8981)	1:500:A:SER:HB2	1:572:A:PRO:HB3	3	0.23
(1,8900)	1:497:A:VAL:HB	1:532:A:LEU:HA	10	0.23
(1,8864)	1:495:A:ASP:HA	1:530:A:HIS:HD2	5	0.23
(1,8803)	1:474:A:GLU:HG3	1:478:A:LYS:HA	6	0.23
(1,8803)	1:474:A:GLU:HG2	1:478:A:LYS:HA	6	0.23
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG11	12	0.23
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG12	12	0.23
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG13	12	0.23
(1,8496)	1:441:A:ALA:HA	1:444:A:SER:HB3	2	0.23
(1,8496)	1:441:A:ALA:HA	1:444:A:SER:HB2	2	0.23
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB3	16	0.23
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB2	16	0.23
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB3	16	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB2	16	0.23
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	9	0.23
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	9	0.23
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	9	0.23
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	17	0.23
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	17	0.23
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	17	0.23
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE3	16	0.23
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE2	16	0.23
(1,7850)	1:398:A:LYS:HG3	1:417:A:GLU:HG3	13	0.23
(1,7850)	1:398:A:LYS:HG3	1:417:A:GLU:HG2	13	0.23
(1,7850)	1:398:A:LYS:HG2	1:417:A:GLU:HG3	13	0.23
(1,7850)	1:398:A:LYS:HG2	1:417:A:GLU:HG2	13	0.23
(1,7583)	1:380:A:LEU:HA	1:383:A:LYS:HD3	16	0.23
(1,7583)	1:380:A:LEU:HA	1:383:A:LYS:HD2	16	0.23
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD11	12	0.23
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD12	12	0.23
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD13	12	0.23
(1,6825)	1:322:A:ARG:HD3	1:323:A:GLY:H	13	0.23
(1,6825)	1:322:A:ARG:HD2	1:323:A:GLY:H	13	0.23
(1,6166)	1:286:A:TRP:HZ3	1:289:A:TRP:H	18	0.23
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	5	0.23
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	11	0.23
(1,4961)	1:213:A:ARG:HG3	1:221:A:VAL:H	8	0.23
(1,4961)	1:213:A:ARG:HG2	1:221:A:VAL:H	8	0.23
(1,4924)	1:212:A:LYS:HB3	1:224:A:TRP:HA	18	0.23
(1,4924)	1:212:A:LYS:HB2	1:224:A:TRP:HA	18	0.23
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	12	0.23
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	12	0.23
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG3	13	0.23
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG2	13	0.23
(1,4133)	1:182:A:GLU:HG3	1:183:A:GLY:H	1	0.23
(1,4133)	1:182:A:GLU:HG2	1:183:A:GLY:H	1	0.23
(1,4133)	1:182:A:GLU:HG3	1:183:A:GLY:H	12	0.23
(1,4133)	1:182:A:GLU:HG2	1:183:A:GLY:H	12	0.23
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	5	0.23
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	15	0.23
(1,2690)	1:105:A:PHE:HZ	1:286:A:TRP:HH2	14	0.23
(1,2511)	1:96:A:THR:HA	1:101:A:GLY:H	11	0.23
(1,1676)	1:69:A:PHE:HA	1:77:A:THR:HB	20	0.23
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	18	0.23
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	8	0.23

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	10	0.23
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	10	0.23
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	15	0.23
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	15	0.23
(1,230)	1:24:A:LEU:HA	1:128:A:TYR:HE1	7	0.23
(1,230)	1:24:A:LEU:HA	1:128:A:TYR:HE2	7	0.23
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG11	18	0.22
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG12	18	0.22
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG13	18	0.22
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	4	0.22
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	4	0.22
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	4	0.22
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	4	0.22
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	4	0.22
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	4	0.22
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	4	0.22
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	4	0.22
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	4	0.22
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	9	0.22
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	9	0.22
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	9	0.22
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	9	0.22
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	9	0.22
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	9	0.22
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	9	0.22
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	9	0.22
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	9	0.22
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	16	0.22
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	16	0.22
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	16	0.22
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	16	0.22
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	16	0.22
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	16	0.22
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	16	0.22
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	16	0.22
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	16	0.22
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD11	10	0.22
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD12	10	0.22
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD13	10	0.22
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD11	10	0.22
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD12	10	0.22
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD13	10	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD11	10	0.22
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD12	10	0.22
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD13	10	0.22
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD11	10	0.22
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD12	10	0.22
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD13	10	0.22
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD11	10	0.22
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD12	10	0.22
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD13	10	0.22
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD11	10	0.22
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD12	10	0.22
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD13	10	0.22
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB1	2	0.22
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB2	2	0.22
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB3	2	0.22
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB1	2	0.22
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB2	2	0.22
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB3	2	0.22
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB1	2	0.22
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB2	2	0.22
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB3	2	0.22
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB1	20	0.22
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB2	20	0.22
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB3	20	0.22
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB1	20	0.22
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB2	20	0.22
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB3	20	0.22
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB1	20	0.22
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB2	20	0.22
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB3	20	0.22
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	2	0.22
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	2	0.22
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	2	0.22
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG11	8	0.22
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG12	8	0.22
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG13	8	0.22
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG11	8	0.22
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG12	8	0.22
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG13	8	0.22
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG11	8	0.22
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG12	8	0.22
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG13	8	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG11	15	0.22
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG12	15	0.22
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG13	15	0.22
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG11	15	0.22
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG12	15	0.22
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG13	15	0.22
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG11	15	0.22
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG12	15	0.22
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG13	15	0.22
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG3	8	0.22
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG2	8	0.22
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG3	8	0.22
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG2	8	0.22
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	1	0.22
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	1	0.22
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	18	0.22
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	18	0.22
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	18	0.22
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	18	0.22
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	18	0.22
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	18	0.22
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	11	0.22
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	11	0.22
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	13	0.22
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	13	0.22
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD3	7	0.22
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD2	7	0.22
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD3	7	0.22
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD2	7	0.22
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	17	0.22
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	17	0.22
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	17	0.22
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	17	0.22
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	17	0.22
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	17	0.22
(1,22183)	1:538:B:ILE:H	1:568:B:PHE:HZ	7	0.22
(1,22041)	1:534:B:ASP:HA	1:574:B:HIS:HA	17	0.22
(1,22000)	1:531:B:ARG:HA	1:532:B:LEU:HD21	20	0.22
(1,22000)	1:531:B:ARG:HA	1:532:B:LEU:HD22	20	0.22
(1,22000)	1:531:B:ARG:HA	1:532:B:LEU:HD23	20	0.22
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG3	6	0.22
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG2	6	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG3	10	0.22
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG2	10	0.22
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	10	0.22
(1,20882)	1:474:B:GLU:HG3	1:477:B:GLY:H	12	0.22
(1,20882)	1:474:B:GLU:HG2	1:477:B:GLY:H	12	0.22
(1,20574)	1:441:B:ALA:HA	1:444:B:SER:HB3	11	0.22
(1,20574)	1:441:B:ALA:HA	1:444:B:SER:HB2	11	0.22
(1,20533)	1:438:B:TYR:HE1	1:442:B:LYS:HB3	14	0.22
(1,20533)	1:438:B:TYR:HE1	1:442:B:LYS:HB2	14	0.22
(1,20533)	1:438:B:TYR:HE2	1:442:B:LYS:HB3	14	0.22
(1,20533)	1:438:B:TYR:HE2	1:442:B:LYS:HB2	14	0.22
(1,20385)	1:429:B:LYS:HA	1:479:B:PRO:HG3	6	0.22
(1,20385)	1:429:B:LYS:HA	1:479:B:PRO:HG2	6	0.22
(1,20377)	1:429:B:LYS:HB3	1:481:B:GLN:HB3	13	0.22
(1,20377)	1:429:B:LYS:HB3	1:481:B:GLN:HB2	13	0.22
(1,20377)	1:429:B:LYS:HB2	1:481:B:GLN:HB3	13	0.22
(1,20377)	1:429:B:LYS:HB2	1:481:B:GLN:HB2	13	0.22
(1,20330)	1:424:B:LYS:HG3	1:455:B:ILE:HA	11	0.22
(1,20330)	1:424:B:LYS:HG2	1:455:B:ILE:HA	11	0.22
(1,20330)	1:424:B:LYS:HG3	1:455:B:ILE:HA	12	0.22
(1,20330)	1:424:B:LYS:HG2	1:455:B:ILE:HA	12	0.22
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG3	15	0.22
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG2	15	0.22
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	13	0.22
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	13	0.22
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	13	0.22
(1,20121)	1:408:B:ASP:HB2	1:451:B:ARG:HH22	16	0.22
(1,20080)	1:405:B:THR:HG21	1:457:B:VAL:HB	18	0.22
(1,20080)	1:405:B:THR:HG22	1:457:B:VAL:HB	18	0.22
(1,20080)	1:405:B:THR:HG23	1:457:B:VAL:HB	18	0.22
(1,19852)	1:393:B:GLN:HE21	1:471:B:TYR:HA	10	0.22
(1,19852)	1:393:B:GLN:HE22	1:471:B:TYR:HA	10	0.22
(1,18386)	1:297:B:LEU:HA	1:322:B:ARG:HD3	12	0.22
(1,18386)	1:297:B:LEU:HA	1:322:B:ARG:HD2	12	0.22
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	13	0.22
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	9	0.22
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	6	0.22
(1,16369)	1:191:B:TRP:HE1	1:192:B:ARG:HA	4	0.22
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	1	0.22
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	1	0.22
(1,15828)	1:152:B:VAL:H	1:169:B:LYS:HB3	19	0.22
(1,15828)	1:152:B:VAL:H	1:169:B:LYS:HB2	19	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,15619)	1:141:B:THR:HB	1:174:B:THR:HB	9	0.22
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB3	12	0.22
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB2	12	0.22
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB3	12	0.22
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB2	12	0.22
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB3	12	0.22
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB2	12	0.22
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	10	0.22
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	10	0.22
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	10	0.22
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	10	0.22
(1,14229)	1:85:B:MET:HB3	1:90:B:VAL:H	1	0.22
(1,14229)	1:85:B:MET:HB2	1:90:B:VAL:H	1	0.22
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	17	0.22
(1,12363)	1:27:B:ASN:HA	1:30:B:ILE:H	7	0.22
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	12	0.22
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	12	0.22
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	20	0.22
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	20	0.22
(1,10510)	1:552:A:LYS:HB3	1:554:A:PHE:H	16	0.22
(1,10510)	1:552:A:LYS:HB2	1:554:A:PHE:H	16	0.22
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	5	0.22
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	5	0.22
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	5	0.22
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	5	0.22
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD21	19	0.22
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD22	19	0.22
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD23	19	0.22
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD21	19	0.22
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD22	19	0.22
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD23	19	0.22
(1,9976)	1:535:A:THR:HA	1:574:A:HIS:HD2	19	0.22
(1,9207)	1:509:A:THR:HB	1:513:A:ASP:H	17	0.22
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	4	0.22
(1,8736)	1:468:A:MET:HG3	1:472:A:LEU:HB3	4	0.22
(1,8736)	1:468:A:MET:HG3	1:472:A:LEU:HB2	4	0.22
(1,8736)	1:468:A:MET:HG2	1:472:A:LEU:HB3	4	0.22
(1,8736)	1:468:A:MET:HG2	1:472:A:LEU:HB2	4	0.22
(1,8408)	1:434:A:THR:HA	1:461:A:SER:HA	2	0.22
(1,8368)	1:432:A:TYR:H	1:482:A:SER:HA	18	0.22
(1,8168)	1:419:A:TYR:HE2	1:478:A:LYS:HG3	1	0.22
(1,8168)	1:419:A:TYR:HE2	1:478:A:LYS:HG2	1	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8043)	1:408:A:ASP:HB2	1:451:A:ARG:HH22	4	0.22
(1,8043)	1:408:A:ASP:HB2	1:451:A:ARG:HH22	15	0.22
(1,7272)	1:361:A:GLU:HA	1:401:A:ARG:HH22	19	0.22
(1,7179)	1:355:A:ARG:HA	1:358:A:GLN:HE21	6	0.22
(1,7179)	1:355:A:ARG:HA	1:358:A:GLN:HE22	6	0.22
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD11	10	0.22
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD12	10	0.22
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD13	10	0.22
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD11	11	0.22
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD12	11	0.22
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD13	11	0.22
(1,6703)	1:315:A:PRO:HG3	1:319:A:ARG:H	1	0.22
(1,6703)	1:315:A:PRO:HG2	1:319:A:ARG:H	1	0.22
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD3	11	0.22
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD2	11	0.22
(1,6231)	1:291:A:ARG:HA	1:293:A:HIS:HA	8	0.22
(1,6122)	1:283:A:GLN:HG3	1:284:A:ALA:H	8	0.22
(1,6122)	1:283:A:GLN:HG2	1:284:A:ALA:H	8	0.22
(1,5889)	1:273:A:GLU:HG3	1:328:A:SER:H	15	0.22
(1,5889)	1:273:A:GLU:HG2	1:328:A:SER:H	15	0.22
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	12	0.22
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	15	0.22
(1,5415)	1:244:A:GLU:HA	1:247:A:LYS:HD3	7	0.22
(1,5415)	1:244:A:GLU:HA	1:247:A:LYS:HD2	7	0.22
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	18	0.22
(1,4291)	1:191:A:TRP:HE1	1:192:A:ARG:HA	2	0.22
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	18	0.22
(1,2916)	1:117:A:SER:H	1:118:A:GLN:HE21	19	0.22
(1,2916)	1:117:A:SER:H	1:118:A:GLN:HE22	19	0.22
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB1	16	0.22
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB2	16	0.22
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB3	16	0.22
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB1	16	0.22
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB2	16	0.22
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB3	16	0.22
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD21	13	0.22
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD22	13	0.22
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	1	0.22
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	4	0.22
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	7	0.22
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	7	0.22
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	7	0.22

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD11	18	0.21
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD12	18	0.21
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD13	18	0.21
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD11	18	0.21
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD12	18	0.21
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD13	18	0.21
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD11	18	0.21
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD12	18	0.21
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD13	18	0.21
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB1	14	0.21
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB2	14	0.21
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB3	14	0.21
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB1	14	0.21
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB2	14	0.21
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB3	14	0.21
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB1	14	0.21
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB2	14	0.21
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB3	14	0.21
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	14	0.21
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	14	0.21
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	14	0.21
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD11	17	0.21
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD12	17	0.21
(1,24201)	1:396:A:ILE:HD11	2:29:C:LEU:HD13	17	0.21
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD11	17	0.21
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD12	17	0.21
(1,24201)	1:396:A:ILE:HD12	2:29:C:LEU:HD13	17	0.21
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD11	17	0.21
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD12	17	0.21
(1,24201)	1:396:A:ILE:HD13	2:29:C:LEU:HD13	17	0.21
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD11	9	0.21
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD12	9	0.21
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD13	9	0.21
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD11	9	0.21
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD12	9	0.21
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD13	9	0.21
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD11	9	0.21
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD12	9	0.21
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD13	9	0.21
(1,24170)	1:464:A:ILE:HD11	2:24:C:MET:HE1	13	0.21
(1,24170)	1:464:A:ILE:HD11	2:24:C:MET:HE2	13	0.21
(1,24170)	1:464:A:ILE:HD11	2:24:C:MET:HE3	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24170)	1:464:A:ILE:HD12	2:24:C:MET:HE1	13	0.21
(1,24170)	1:464:A:ILE:HD12	2:24:C:MET:HE2	13	0.21
(1,24170)	1:464:A:ILE:HD12	2:24:C:MET:HE3	13	0.21
(1,24170)	1:464:A:ILE:HD13	2:24:C:MET:HE1	13	0.21
(1,24170)	1:464:A:ILE:HD13	2:24:C:MET:HE2	13	0.21
(1,24170)	1:464:A:ILE:HD13	2:24:C:MET:HE3	13	0.21
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD11	8	0.21
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD12	8	0.21
(1,24163)	1:457:A:VAL:HG11	2:7:C:ILE:HD13	8	0.21
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD11	8	0.21
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD12	8	0.21
(1,24163)	1:457:A:VAL:HG12	2:7:C:ILE:HD13	8	0.21
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD11	8	0.21
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD12	8	0.21
(1,24163)	1:457:A:VAL:HG13	2:7:C:ILE:HD13	8	0.21
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	19	0.21
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	19	0.21
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	19	0.21
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	19	0.21
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	19	0.21
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	19	0.21
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	19	0.21
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	19	0.21
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	19	0.21
(1,23559)	1:595:B:LEU:HA	1:617:B:ARG:HD3	20	0.21
(1,23559)	1:595:B:LEU:HA	1:617:B:ARG:HD2	20	0.21
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	8	0.21
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	8	0.21
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	20	0.21
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	20	0.21
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	12	0.21
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	12	0.21
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	12	0.21
(1,22183)	1:538:B:ILE:H	1:568:B:PHE:HZ	14	0.21
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG21	16	0.21
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG22	16	0.21
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG23	16	0.21
(1,21058)	1:500:B:SER:HA	1:572:B:PRO:HB3	18	0.21
(1,20888)	1:474:B:GLU:HG3	1:475:B:PHE:H	14	0.21
(1,20888)	1:474:B:GLU:HG2	1:475:B:PHE:H	14	0.21
(1,20881)	1:474:B:GLU:HG3	1:478:B:LYS:HA	13	0.21
(1,20881)	1:474:B:GLU:HG2	1:478:B:LYS:HA	13	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20831)	1:469:B:MET:HA	1:472:B:LEU:HB3	20	0.21
(1,20831)	1:469:B:MET:HA	1:472:B:LEU:HB2	20	0.21
(1,20362)	1:427:B:GLN:HG3	1:429:B:LYS:H	12	0.21
(1,20362)	1:427:B:GLN:HG2	1:429:B:LYS:H	12	0.21
(1,20299)	1:422:B:ARG:HB3	1:456:B:GLU:HB3	13	0.21
(1,20299)	1:422:B:ARG:HB3	1:456:B:GLU:HB2	13	0.21
(1,20299)	1:422:B:ARG:HB2	1:456:B:GLU:HB3	13	0.21
(1,20299)	1:422:B:ARG:HB2	1:456:B:GLU:HB2	13	0.21
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	10	0.21
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	10	0.21
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	10	0.21
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD11	6	0.21
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD12	6	0.21
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD13	6	0.21
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD11	18	0.21
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD12	18	0.21
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD13	18	0.21
(1,19852)	1:393:B:GLN:HE21	1:471:B:TYR:HA	14	0.21
(1,19852)	1:393:B:GLN:HE22	1:471:B:TYR:HA	14	0.21
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	18	0.21
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	18	0.21
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	18	0.21
(1,19135)	1:345:B:THR:HA	1:348:B:LEU:HB3	6	0.21
(1,19135)	1:345:B:THR:HA	1:348:B:LEU:HB2	6	0.21
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG21	9	0.21
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG22	9	0.21
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG23	9	0.21
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG21	9	0.21
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG22	9	0.21
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG23	9	0.21
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG21	9	0.21
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG22	9	0.21
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG23	9	0.21
(1,18803)	1:317:B:TYR:HB3	1:388:B:GLU:HB3	20	0.21
(1,18803)	1:317:B:TYR:HB3	1:388:B:GLU:HB2	20	0.21
(1,18803)	1:317:B:TYR:HB2	1:388:B:GLU:HB3	20	0.21
(1,18803)	1:317:B:TYR:HB2	1:388:B:GLU:HB2	20	0.21
(1,18430)	1:298:B:LYS:HG3	1:322:B:ARG:HD3	14	0.21
(1,18430)	1:298:B:LYS:HG3	1:322:B:ARG:HD2	14	0.21
(1,18430)	1:298:B:LYS:HG2	1:322:B:ARG:HD3	14	0.21
(1,18430)	1:298:B:LYS:HG2	1:322:B:ARG:HD2	14	0.21
(1,18288)	1:289:B:TRP:HH2	1:381:B:VAL:HA	6	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18244)	1:286:B:TRP:HZ3	1:289:B:TRP:H	19	0.21
(1,18200)	1:283:B:GLN:HG3	1:284:B:ALA:H	10	0.21
(1,18200)	1:283:B:GLN:HG2	1:284:B:ALA:H	10	0.21
(1,18031)	1:276:B:SER:HB3	1:325:B:ILE:HB	5	0.21
(1,18031)	1:276:B:SER:HB2	1:325:B:ILE:HB	5	0.21
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD3	17	0.21
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD2	17	0.21
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	9	0.21
(1,17371)	1:234:B:TRP:HE1	1:235:B:THR:HB	7	0.21
(1,17105)	1:216:B:LYS:HE3	1:221:B:VAL:HB	9	0.21
(1,17105)	1:216:B:LYS:HE2	1:221:B:VAL:HB	9	0.21
(1,17039)	1:213:B:ARG:HG3	1:221:B:VAL:H	8	0.21
(1,17039)	1:213:B:ARG:HG2	1:221:B:VAL:H	8	0.21
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	20	0.21
(1,16369)	1:191:B:TRP:HE1	1:192:B:ARG:HA	20	0.21
(1,15368)	1:135:B:ASP:HB3	1:182:B:GLU:H	12	0.21
(1,15368)	1:135:B:ASP:HB2	1:182:B:GLU:H	12	0.21
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	13	0.21
(1,14999)	1:118:B:GLN:HA	1:294:B:LYS:HE3	7	0.21
(1,14850)	1:107:B:GLU:HG3	1:108:B:SER:HA	10	0.21
(1,14850)	1:107:B:GLU:HG2	1:108:B:SER:HA	10	0.21
(1,14804)	1:106:B:LEU:HD21	1:114:B:ALA:HB1	6	0.21
(1,14804)	1:106:B:LEU:HD21	1:114:B:ALA:HB2	6	0.21
(1,14804)	1:106:B:LEU:HD21	1:114:B:ALA:HB3	6	0.21
(1,14804)	1:106:B:LEU:HD22	1:114:B:ALA:HB1	6	0.21
(1,14804)	1:106:B:LEU:HD22	1:114:B:ALA:HB2	6	0.21
(1,14804)	1:106:B:LEU:HD22	1:114:B:ALA:HB3	6	0.21
(1,14804)	1:106:B:LEU:HD23	1:114:B:ALA:HB1	6	0.21
(1,14804)	1:106:B:LEU:HD23	1:114:B:ALA:HB2	6	0.21
(1,14804)	1:106:B:LEU:HD23	1:114:B:ALA:HB3	6	0.21
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB1	20	0.21
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB2	20	0.21
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB3	20	0.21
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB1	20	0.21
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB2	20	0.21
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB3	20	0.21
(1,14758)	1:104:B:SER:HA	1:105:B:PHE:HD1	11	0.21
(1,14758)	1:104:B:SER:HA	1:105:B:PHE:HD2	11	0.21
(1,14707)	1:102:B:THR:HB	1:117:B:SER:HA	4	0.21
(1,14647)	1:98:B:ALA:HA	1:154:B:TRP:HZ2	7	0.21
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	4	0.21
(1,11593)	1:599:A:GLN:HE21	1:614:A:PHE:HZ	15	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11593)	1:599:A:GLN:HE22	1:614:A:PHE:HZ	15	0.21
(1,11285)	1:588:A:LYS:HD3	1:592:A:TRP:HE1	14	0.21
(1,11285)	1:588:A:LYS:HD2	1:592:A:TRP:HE1	14	0.21
(1,10693)	1:560:A:LYS:HG3	1:565:A:LYS:HA	1	0.21
(1,10693)	1:560:A:LYS:HG2	1:565:A:LYS:HA	1	0.21
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG21	20	0.21
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG22	20	0.21
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG23	20	0.21
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG21	20	0.21
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG22	20	0.21
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG23	20	0.21
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG21	20	0.21
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG22	20	0.21
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG23	20	0.21
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	14	0.21
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	14	0.21
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	7	0.21
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	7	0.21
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	19	0.21
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	19	0.21
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	19	0.21
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	17	0.21
(1,9532)	1:518:A:LEU:HD11	1:519:A:LEU:HA	14	0.21
(1,9532)	1:518:A:LEU:HD12	1:519:A:LEU:HA	14	0.21
(1,9532)	1:518:A:LEU:HD13	1:519:A:LEU:HA	14	0.21
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG21	18	0.21
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG22	18	0.21
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG23	18	0.21
(1,9098)	1:505:A:GLU:HG3	1:530:A:HIS:HE1	2	0.21
(1,9098)	1:505:A:GLU:HG2	1:530:A:HIS:HE1	2	0.21
(1,9026)	1:501:A:ALA:HA	1:502:A:LYS:HG3	6	0.21
(1,9026)	1:501:A:ALA:HA	1:502:A:LYS:HG2	6	0.21
(1,8900)	1:497:A:VAL:HB	1:532:A:LEU:HA	9	0.21
(1,8810)	1:474:A:GLU:HG3	1:475:A:PHE:H	14	0.21
(1,8810)	1:474:A:GLU:HG2	1:475:A:PHE:H	14	0.21
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD3	16	0.21
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD2	16	0.21
(1,6259)	1:295:A:HIS:HE1	1:311:A:GLU:HA	4	0.21
(1,6166)	1:286:A:TRP:HZ3	1:289:A:TRP:H	10	0.21
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	6	0.21
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	5	0.21
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	8	0.21

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	9	0.21
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	6	0.21
(1,2629)	1:102:A:THR:HB	1:117:A:SER:HA	15	0.21
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	13	0.21
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD21	1	0.21
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD22	1	0.21
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	3	0.21
(1,446)	1:32:A:LEU:HB3	1:200:A:TYR:HD1	9	0.21
(1,446)	1:32:A:LEU:HB2	1:200:A:TYR:HD1	9	0.21
(1,230)	1:24:A:LEU:HA	1:128:A:TYR:HE1	1	0.21
(1,230)	1:24:A:LEU:HA	1:128:A:TYR:HE2	1	0.21
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	2	0.21
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	2	0.21
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	2	0.21
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	13	0.21
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	13	0.21
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	13	0.21
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG11	7	0.2
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG12	7	0.2
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG13	7	0.2
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD11	15	0.2
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD12	15	0.2
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD13	15	0.2
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD11	15	0.2
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD12	15	0.2
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD13	15	0.2
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD11	15	0.2
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD12	15	0.2
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD13	15	0.2
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	5	0.2
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	5	0.2
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	5	0.2
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	5	0.2
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	5	0.2
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	5	0.2
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	5	0.2
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	5	0.2
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	5	0.2
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	10	0.2
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	10	0.2
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	10	0.2
(1,24178)	1:450:A:LEU:HD21	2:6:C:LEU:HD11	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24178)	1:450:A:LEU:HD21	2:6:C:LEU:HD12	1	0.2
(1,24178)	1:450:A:LEU:HD21	2:6:C:LEU:HD13	1	0.2
(1,24178)	1:450:A:LEU:HD22	2:6:C:LEU:HD11	1	0.2
(1,24178)	1:450:A:LEU:HD22	2:6:C:LEU:HD12	1	0.2
(1,24178)	1:450:A:LEU:HD22	2:6:C:LEU:HD13	1	0.2
(1,24178)	1:450:A:LEU:HD23	2:6:C:LEU:HD11	1	0.2
(1,24178)	1:450:A:LEU:HD23	2:6:C:LEU:HD12	1	0.2
(1,24178)	1:450:A:LEU:HD23	2:6:C:LEU:HD13	1	0.2
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	9	0.2
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	9	0.2
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	9	0.2
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	9	0.2
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	9	0.2
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	9	0.2
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	9	0.2
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	9	0.2
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	9	0.2
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	11	0.2
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	11	0.2
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	11	0.2
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	11	0.2
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	11	0.2
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	11	0.2
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	11	0.2
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	11	0.2
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	11	0.2
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD11	13	0.2
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD12	13	0.2
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD13	13	0.2
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD11	13	0.2
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD12	13	0.2
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD13	13	0.2
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD11	13	0.2
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD12	13	0.2
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD13	13	0.2
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	20	0.2
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	20	0.2
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	20	0.2
(1,23837)	1:607:B:THR:HG21	1:609:B:GLU:H	17	0.2
(1,23837)	1:607:B:THR:HG22	1:609:B:GLU:H	17	0.2
(1,23837)	1:607:B:THR:HG23	1:609:B:GLU:H	17	0.2
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	13	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	13	0.2
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	4	0.2
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	4	0.2
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	5	0.2
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	5	0.2
(1,22497)	1:548:B:THR:HA	1:560:B:LYS:HB3	5	0.2
(1,22497)	1:548:B:THR:HA	1:560:B:LYS:HB2	5	0.2
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	7	0.2
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	7	0.2
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	16	0.2
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	16	0.2
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	16	0.2
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	16	0.2
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	12	0.2
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	12	0.2
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	12	0.2
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	12	0.2
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	20	0.2
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	20	0.2
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	20	0.2
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	20	0.2
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD11	3	0.2
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD12	3	0.2
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD13	3	0.2
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD11	3	0.2
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD12	3	0.2
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD13	3	0.2
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD11	3	0.2
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD12	3	0.2
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD13	3	0.2
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	20	0.2
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	20	0.2
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	20	0.2
(1,22183)	1:538:B:ILE:H	1:568:B:PHE:HZ	17	0.2
(1,21582)	1:518:B:LEU:HD11	1:593:B:VAL:HB	20	0.2
(1,21582)	1:518:B:LEU:HD12	1:593:B:VAL:HB	20	0.2
(1,21582)	1:518:B:LEU:HD13	1:593:B:VAL:HB	20	0.2
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG3	15	0.2
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG2	15	0.2
(1,21285)	1:509:B:THR:HB	1:513:B:ASP:H	20	0.2
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	2	0.2
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD21	17	0.2
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD22	17	0.2
(1,20587)	1:442:B:LYS:HA	1:459:B:LEU:HD21	1	0.2
(1,20587)	1:442:B:LYS:HA	1:459:B:LEU:HD22	1	0.2
(1,20587)	1:442:B:LYS:HA	1:459:B:LEU:HD23	1	0.2
(1,20482)	1:434:B:THR:H	1:482:B:SER:HA	4	0.2
(1,20466)	1:433:B:ILE:HA	1:482:B:SER:HA	13	0.2
(1,20360)	1:427:B:GLN:HG3	1:430:B:ILE:HA	11	0.2
(1,20360)	1:427:B:GLN:HG2	1:430:B:ILE:HA	11	0.2
(1,20335)	1:424:B:LYS:H	1:427:B:GLN:HE21	13	0.2
(1,20335)	1:424:B:LYS:H	1:427:B:GLN:HE22	13	0.2
(1,20330)	1:424:B:LYS:HG3	1:455:B:ILE:HA	8	0.2
(1,20330)	1:424:B:LYS:HG2	1:455:B:ILE:HA	8	0.2
(1,20124)	1:408:B:ASP:HA	1:442:B:LYS:HE3	16	0.2
(1,20124)	1:408:B:ASP:HA	1:442:B:LYS:HE2	16	0.2
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD11	3	0.2
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD12	3	0.2
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD13	3	0.2
(1,19803)	1:387:B:ALA:HB1	1:467:B:TRP:HZ2	7	0.2
(1,19803)	1:387:B:ALA:HB2	1:467:B:TRP:HZ2	7	0.2
(1,19803)	1:387:B:ALA:HB3	1:467:B:TRP:HZ2	7	0.2
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	7	0.2
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	7	0.2
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	7	0.2
(1,19655)	1:380:B:LEU:HD21	1:462:B:ASP:HB3	20	0.2
(1,19655)	1:380:B:LEU:HD21	1:462:B:ASP:HB2	20	0.2
(1,19655)	1:380:B:LEU:HD22	1:462:B:ASP:HB3	20	0.2
(1,19655)	1:380:B:LEU:HD22	1:462:B:ASP:HB2	20	0.2
(1,19655)	1:380:B:LEU:HD23	1:462:B:ASP:HB3	20	0.2
(1,19655)	1:380:B:LEU:HD23	1:462:B:ASP:HB2	20	0.2
(1,19585)	1:375:B:TRP:HH2	1:383:B:LYS:HG3	1	0.2
(1,19585)	1:375:B:TRP:HH2	1:383:B:LYS:HG2	1	0.2
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG21	4	0.2
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG22	4	0.2
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG23	4	0.2
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG21	4	0.2
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG22	4	0.2
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG23	4	0.2
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG21	4	0.2
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG22	4	0.2
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG23	4	0.2
(1,18903)	1:322:B:ARG:HD3	1:323:B:GLY:H	2	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18903)	1:322:B:ARG:HD2	1:323:B:GLY:H	2	0.2
(1,18326)	1:294:B:LYS:H	1:295:B:HIS:H	1	0.2
(1,18325)	1:294:B:LYS:HD3	1:309:B:ASP:HB3	13	0.2
(1,18325)	1:294:B:LYS:HD3	1:309:B:ASP:HB2	13	0.2
(1,18325)	1:294:B:LYS:HD2	1:309:B:ASP:HB3	13	0.2
(1,18325)	1:294:B:LYS:HD2	1:309:B:ASP:HB2	13	0.2
(1,18325)	1:294:B:LYS:HD3	1:309:B:ASP:HB3	17	0.2
(1,18325)	1:294:B:LYS:HD3	1:309:B:ASP:HB2	17	0.2
(1,18325)	1:294:B:LYS:HD2	1:309:B:ASP:HB3	17	0.2
(1,18325)	1:294:B:LYS:HD2	1:309:B:ASP:HB2	17	0.2
(1,18244)	1:286:B:TRP:HZ3	1:289:B:TRP:H	1	0.2
(1,18241)	1:286:B:TRP:HZ3	1:290:B:ASN:HD21	17	0.2
(1,18241)	1:286:B:TRP:HZ3	1:290:B:ASN:HD22	17	0.2
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	3	0.2
(1,17423)	1:238:B:LYS:HE3	1:264:B:SER:HA	20	0.2
(1,17423)	1:238:B:LYS:HE2	1:264:B:SER:HA	20	0.2
(1,17371)	1:234:B:TRP:HE1	1:235:B:THR:HB	4	0.2
(1,17371)	1:234:B:TRP:HE1	1:235:B:THR:HB	19	0.2
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	2	0.2
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	2	0.2
(1,16260)	1:186:B:GLU:HA	1:191:B:TRP:HZ2	16	0.2
(1,15687)	1:142:B:ARG:HD3	1:147:B:LYS:H	9	0.2
(1,15687)	1:142:B:ARG:HD2	1:147:B:LYS:H	9	0.2
(1,14855)	1:108:B:SER:HB3	1:112:B:ASP:H	6	0.2
(1,14855)	1:108:B:SER:HB2	1:112:B:ASP:H	6	0.2
(1,14672)	1:99:B:LYS:HE3	1:101:B:GLY:H	11	0.2
(1,14672)	1:99:B:LYS:HE2	1:101:B:GLY:H	11	0.2
(1,14187)	1:84:B:GLY:HA3	1:141:B:THR:HB	19	0.2
(1,14187)	1:84:B:GLY:HA2	1:141:B:THR:HB	19	0.2
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	1	0.2
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	8	0.2
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	15	0.2
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	16	0.2
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	7	0.2
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	7	0.2
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD21	1	0.2
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD22	1	0.2
(1,13389)	1:61:B:GLY:H	1:62:B:GLU:HG3	13	0.2
(1,13389)	1:61:B:GLY:H	1:62:B:GLU:HG2	13	0.2
(1,12873)	1:41:B:ASP:HA	1:252:B:HIS:HE1	5	0.2
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG11	1	0.2
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG12	1	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG13	1	0.2
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG11	1	0.2
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG12	1	0.2
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG13	1	0.2
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD11	2	0.2
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD12	2	0.2
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD13	2	0.2
(1,10682)	1:559:A:GLN:HG3	1:560:A:LYS:HA	4	0.2
(1,10682)	1:559:A:GLN:HG2	1:560:A:LYS:HA	4	0.2
(1,10676)	1:559:A:GLN:HA	1:560:A:LYS:H	16	0.2
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG11	6	0.2
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG12	6	0.2
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG13	6	0.2
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG11	6	0.2
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG12	6	0.2
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG13	6	0.2
(1,10417)	1:548:A:THR:HA	1:560:A:LYS:HA	6	0.2
(1,10417)	1:548:A:THR:HA	1:560:A:LYS:HA	20	0.2
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	13	0.2
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	13	0.2
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	13	0.2
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	13	0.2
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	3	0.2
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	3	0.2
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	3	0.2
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	8	0.2
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	8	0.2
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	8	0.2
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	20	0.2
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	20	0.2
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	20	0.2
(1,10341)	1:546:A:MET:HB3	1:563:A:GLU:HB3	7	0.2
(1,10341)	1:546:A:MET:HB3	1:563:A:GLU:HB2	7	0.2
(1,10341)	1:546:A:MET:HB2	1:563:A:GLU:HB3	7	0.2
(1,10341)	1:546:A:MET:HB2	1:563:A:GLU:HB2	7	0.2
(1,10326)	1:546:A:MET:HB3	1:605:A:ARG:HD3	3	0.2
(1,10326)	1:546:A:MET:HB3	1:605:A:ARG:HD2	3	0.2
(1,10326)	1:546:A:MET:HB2	1:605:A:ARG:HD3	3	0.2
(1,10326)	1:546:A:MET:HB2	1:605:A:ARG:HD2	3	0.2
(1,10221)	1:541:A:THR:HA	1:567:A:ILE:HB	4	0.2
(1,9006)	1:501:A:ALA:HA	1:530:A:HIS:HE1	2	0.2
(1,8989)	1:500:A:SER:HB3	1:530:A:HIS:HE1	10	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8989)	1:500:A:SER:HB2	1:530:A:HIS:HE1	10	0.2
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	8	0.2
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG11	11	0.2
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG12	11	0.2
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG13	11	0.2
(1,8411)	1:434:A:THR:HA	1:460:A:LEU:HB3	18	0.2
(1,8411)	1:434:A:THR:HA	1:460:A:LEU:HB2	18	0.2
(1,8325)	1:430:A:ILE:HB	1:480:A:PHE:HD1	1	0.2
(1,8325)	1:430:A:ILE:HB	1:480:A:PHE:HD2	1	0.2
(1,8291)	1:428:A:GLU:HA	1:478:A:LYS:HA	8	0.2
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG3	20	0.2
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG2	20	0.2
(1,7583)	1:380:A:LEU:HA	1:383:A:LYS:HD3	10	0.2
(1,7583)	1:380:A:LEU:HA	1:383:A:LYS:HD2	10	0.2
(1,7166)	1:354:A:LYS:HA	1:357:A:LEU:HB3	5	0.2
(1,7166)	1:354:A:LYS:HA	1:357:A:LEU:HB2	5	0.2
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	14	0.2
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	14	0.2
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	14	0.2
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	14	0.2
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	14	0.2
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	14	0.2
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	14	0.2
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	14	0.2
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	14	0.2
(1,6825)	1:322:A:ARG:HD3	1:323:A:GLY:H	12	0.2
(1,6825)	1:322:A:ARG:HD2	1:323:A:GLY:H	12	0.2
(1,5953)	1:276:A:SER:HB3	1:325:A:ILE:HB	18	0.2
(1,5953)	1:276:A:SER:HB2	1:325:A:ILE:HB	18	0.2
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD21	8	0.2
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD22	8	0.2
(1,5263)	1:234:A:TRP:HE1	1:303:A:ARG:HD3	20	0.2
(1,5263)	1:234:A:TRP:HE1	1:303:A:ARG:HD2	20	0.2
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	13	0.2
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	13	0.2
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	20	0.2
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD3	7	0.2
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD2	7	0.2
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD3	12	0.2
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD2	12	0.2
(1,4182)	1:186:A:GLU:HA	1:191:A:TRP:HZ2	2	0.2
(1,4182)	1:186:A:GLU:HA	1:191:A:TRP:HZ2	16	0.2

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	13	0.2
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB3	14	0.2
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB2	14	0.2
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB3	14	0.2
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB2	14	0.2
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB3	14	0.2
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB2	14	0.2
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE21	2	0.2
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE22	2	0.2
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE21	2	0.2
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE22	2	0.2
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE21	11	0.2
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE22	11	0.2
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE21	11	0.2
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE22	11	0.2
(1,2700)	1:105:A:PHE:HA	1:111:A:SER:H	17	0.2
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	6	0.2
(1,1324)	1:63:A:LEU:HB2	1:207:A:PRO:HG3	2	0.2
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	12	0.2
(1,459)	1:32:A:LEU:HD13	1:196:A:ILE:HA	16	0.2
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD11	12	0.19
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD12	12	0.19
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD13	12	0.19
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD11	12	0.19
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD12	12	0.19
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD13	12	0.19
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD11	12	0.19
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD12	12	0.19
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD13	12	0.19
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB1	1	0.19
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB2	1	0.19
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB3	1	0.19
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB1	1	0.19
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB2	1	0.19
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB3	1	0.19
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB1	1	0.19
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB2	1	0.19
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB3	1	0.19
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB1	3	0.19
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB2	3	0.19
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB3	3	0.19
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB1	3	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB2	3	0.19
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB3	3	0.19
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB1	3	0.19
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB2	3	0.19
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB3	3	0.19
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	7	0.19
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	7	0.19
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	7	0.19
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	19	0.19
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	19	0.19
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	19	0.19
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	19	0.19
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	19	0.19
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	19	0.19
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	19	0.19
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	19	0.19
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	19	0.19
(1,24202)	1:396:A:ILE:HD11	2:30:C:LEU:HD21	14	0.19
(1,24202)	1:396:A:ILE:HD11	2:30:C:LEU:HD22	14	0.19
(1,24202)	1:396:A:ILE:HD11	2:30:C:LEU:HD23	14	0.19
(1,24202)	1:396:A:ILE:HD12	2:30:C:LEU:HD21	14	0.19
(1,24202)	1:396:A:ILE:HD12	2:30:C:LEU:HD22	14	0.19
(1,24202)	1:396:A:ILE:HD12	2:30:C:LEU:HD23	14	0.19
(1,24202)	1:396:A:ILE:HD13	2:30:C:LEU:HD21	14	0.19
(1,24202)	1:396:A:ILE:HD13	2:30:C:LEU:HD22	14	0.19
(1,24202)	1:396:A:ILE:HD13	2:30:C:LEU:HD23	14	0.19
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD21	9	0.19
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD22	9	0.19
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD23	9	0.19
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD21	9	0.19
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD22	9	0.19
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD23	9	0.19
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD21	9	0.19
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD22	9	0.19
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD23	9	0.19
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD11	5	0.19
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD12	5	0.19
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD13	5	0.19
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD11	5	0.19
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD12	5	0.19
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD13	5	0.19
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD11	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD12	5	0.19
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD13	5	0.19
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	19	0.19
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	19	0.19
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	19	0.19
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	19	0.19
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	19	0.19
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	19	0.19
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	19	0.19
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	19	0.19
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	19	0.19
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE1	15	0.19
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE2	15	0.19
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE3	15	0.19
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE1	15	0.19
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE2	15	0.19
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE3	15	0.19
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE1	15	0.19
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE2	15	0.19
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE3	15	0.19
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	2	0.19
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	2	0.19
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	2	0.19
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	2	0.19
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	2	0.19
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	2	0.19
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	2	0.19
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	2	0.19
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	2	0.19
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	16	0.19
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	16	0.19
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	16	0.19
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	16	0.19
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	16	0.19
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	16	0.19
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	16	0.19
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	16	0.19
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	16	0.19
(1,23463)	1:591:B:GLU:HG3	1:592:B:TRP:HA	14	0.19
(1,23463)	1:591:B:GLU:HG2	1:592:B:TRP:HA	14	0.19
(1,23293)	1:584:B:GLU:HG3	1:585:B:ASP:HA	12	0.19
(1,23293)	1:584:B:GLU:HG2	1:585:B:ASP:HA	12	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22764)	1:559:B:GLN:HE21	1:560:B:LYS:HE3	5	0.19
(1,22764)	1:559:B:GLN:HE21	1:560:B:LYS:HE2	5	0.19
(1,22764)	1:559:B:GLN:HE22	1:560:B:LYS:HE3	5	0.19
(1,22764)	1:559:B:GLN:HE22	1:560:B:LYS:HE2	5	0.19
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG3	14	0.19
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG2	14	0.19
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG3	14	0.19
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG2	14	0.19
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	19	0.19
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	19	0.19
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	19	0.19
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	19	0.19
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	19	0.19
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	19	0.19
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	18	0.19
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	18	0.19
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	3	0.19
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	3	0.19
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	3	0.19
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	3	0.19
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	3	0.19
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	3	0.19
(1,22492)	1:548:B:THR:H	1:561:B:VAL:HG21	1	0.19
(1,22492)	1:548:B:THR:H	1:561:B:VAL:HG22	1	0.19
(1,22492)	1:548:B:THR:H	1:561:B:VAL:HG23	1	0.19
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB3	3	0.19
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB2	3	0.19
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	11	0.19
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	11	0.19
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	11	0.19
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	11	0.19
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	13	0.19
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	13	0.19
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	13	0.19
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	13	0.19
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	6	0.19
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	6	0.19
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	6	0.19
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	6	0.19
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	6	0.19
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	6	0.19
(1,22303)	1:541:B:THR:HA	1:566:B:TYR:HA	18	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20978)	1:497:B:VAL:HB	1:532:B:LEU:HA	17	0.19
(1,20858)	1:472:B:LEU:HD21	1:474:B:GLU:H	1	0.19
(1,20858)	1:472:B:LEU:HD22	1:474:B:GLU:H	1	0.19
(1,20858)	1:472:B:LEU:HD23	1:474:B:GLU:H	1	0.19
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD21	13	0.19
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD22	13	0.19
(1,20774)	1:464:B:ILE:HA	1:467:B:TRP:HE3	18	0.19
(1,20685)	1:451:B:ARG:H	1:457:B:VAL:HG21	13	0.19
(1,20685)	1:451:B:ARG:H	1:457:B:VAL:HG22	13	0.19
(1,20685)	1:451:B:ARG:H	1:457:B:VAL:HG23	13	0.19
(1,20458)	1:432:B:TYR:HB3	1:458:B:LEU:HB3	2	0.19
(1,20458)	1:432:B:TYR:HB3	1:458:B:LEU:HB2	2	0.19
(1,20458)	1:432:B:TYR:HB2	1:458:B:LEU:HB3	2	0.19
(1,20458)	1:432:B:TYR:HB2	1:458:B:LEU:HB2	2	0.19
(1,20321)	1:423:B:MET:HA	1:427:B:GLN:HE21	20	0.19
(1,20321)	1:423:B:MET:HA	1:427:B:GLN:HE22	20	0.19
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD11	8	0.19
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD12	8	0.19
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD13	8	0.19
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD11	8	0.19
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD12	8	0.19
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD13	8	0.19
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD11	8	0.19
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD12	8	0.19
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD13	8	0.19
(1,19823)	1:390:B:PHE:HD1	1:471:B:TYR:HD1	9	0.19
(1,19823)	1:390:B:PHE:HD1	1:471:B:TYR:HD2	9	0.19
(1,19823)	1:390:B:PHE:HD2	1:471:B:TYR:HD1	9	0.19
(1,19823)	1:390:B:PHE:HD2	1:471:B:TYR:HD2	9	0.19
(1,19738)	1:384:B:GLU:HA	1:467:B:TRP:HH2	12	0.19
(1,19379)	1:362:B:LYS:HA	1:365:B:LYS:HB3	5	0.19
(1,19379)	1:362:B:LYS:HA	1:365:B:LYS:HB2	5	0.19
(1,19135)	1:345:B:THR:HA	1:348:B:LEU:HB3	10	0.19
(1,19135)	1:345:B:THR:HA	1:348:B:LEU:HB2	10	0.19
(1,18316)	1:293:B:HIS:HE1	1:309:B:ASP:HB3	18	0.19
(1,18316)	1:293:B:HIS:HE1	1:309:B:ASP:HB2	18	0.19
(1,18309)	1:291:B:ARG:HA	1:293:B:HIS:HA	13	0.19
(1,18200)	1:283:B:GLN:HG3	1:284:B:ALA:H	5	0.19
(1,18200)	1:283:B:GLN:HG2	1:284:B:ALA:H	5	0.19
(1,18031)	1:276:B:SER:HB3	1:325:B:ILE:HB	8	0.19
(1,18031)	1:276:B:SER:HB2	1:325:B:ILE:HB	8	0.19
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD3	2	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD2	2	0.19
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD3	2	0.19
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD2	2	0.19
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD3	2	0.19
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD2	2	0.19
(1,17633)	1:251:B:LYS:HG3	1:257:B:PHE:HB3	19	0.19
(1,17633)	1:251:B:LYS:HG3	1:257:B:PHE:HB2	19	0.19
(1,17633)	1:251:B:LYS:HG2	1:257:B:PHE:HB3	19	0.19
(1,17633)	1:251:B:LYS:HG2	1:257:B:PHE:HB2	19	0.19
(1,17409)	1:237:B:ASN:HD21	1:239:B:SER:H	4	0.19
(1,17409)	1:237:B:ASN:HD22	1:239:B:SER:H	4	0.19
(1,17371)	1:234:B:TRP:HE1	1:235:B:THR:HB	5	0.19
(1,17311)	1:233:B:LEU:HD11	1:246:B:TYR:HA	14	0.19
(1,17311)	1:233:B:LEU:HD12	1:246:B:TYR:HA	14	0.19
(1,17311)	1:233:B:LEU:HD13	1:246:B:TYR:HA	14	0.19
(1,17039)	1:213:B:ARG:HG3	1:221:B:VAL:H	2	0.19
(1,17039)	1:213:B:ARG:HG2	1:221:B:VAL:H	2	0.19
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	14	0.19
(1,15416)	1:136:B:LYS:HG3	1:155:B:GLU:HG3	14	0.19
(1,15416)	1:136:B:LYS:HG3	1:155:B:GLU:HG2	14	0.19
(1,15416)	1:136:B:LYS:HG2	1:155:B:GLU:HG3	14	0.19
(1,15416)	1:136:B:LYS:HG2	1:155:B:GLU:HG2	14	0.19
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	9	0.19
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	9	0.19
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	9	0.19
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	9	0.19
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	9	0.19
(1,14768)	1:105:B:PHE:HZ	1:286:B:TRP:HH2	9	0.19
(1,14726)	1:103:B:LYS:HB3	1:110:B:GLY:HA3	18	0.19
(1,14726)	1:103:B:LYS:HB3	1:110:B:GLY:HA2	18	0.19
(1,14726)	1:103:B:LYS:HB2	1:110:B:GLY:HA3	18	0.19
(1,14726)	1:103:B:LYS:HB2	1:110:B:GLY:HA2	18	0.19
(1,14708)	1:102:B:THR:HG21	1:117:B:SER:HA	3	0.19
(1,14708)	1:102:B:THR:HG22	1:117:B:SER:HA	3	0.19
(1,14708)	1:102:B:THR:HG23	1:117:B:SER:HA	3	0.19
(1,14646)	1:98:B:ALA:H	1:154:B:TRP:HZ2	7	0.19
(1,14118)	1:81:B:ASN:HA	1:169:B:LYS:HZ2	11	0.19
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	14	0.19
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	19	0.19
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	14	0.19
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	14	0.19
(1,13154)	1:48:B:PHE:HA	1:304:B:VAL:HG11	16	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13154)	1:48:B:PHE:HA	1:304:B:VAL:HG12	16	0.19
(1,13154)	1:48:B:PHE:HA	1:304:B:VAL:HG13	16	0.19
(1,12721)	1:36:B:ILE:HD11	1:200:B:TYR:H	20	0.19
(1,12721)	1:36:B:ILE:HD12	1:200:B:TYR:H	20	0.19
(1,12721)	1:36:B:ILE:HD13	1:200:B:TYR:H	20	0.19
(1,12442)	1:30:B:ILE:HG13	1:257:B:PHE:HE2	12	0.19
(1,12442)	1:30:B:ILE:HG12	1:257:B:PHE:HE2	12	0.19
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	13	0.19
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	13	0.19
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	13	0.19
(1,11738)	1:604:A:GLU:HA	1:605:A:ARG:HG3	19	0.19
(1,11738)	1:604:A:GLU:HA	1:605:A:ARG:HG2	19	0.19
(1,11653)	1:601:A:LEU:HA	1:605:A:ARG:HG3	19	0.19
(1,11653)	1:601:A:LEU:HA	1:605:A:ARG:HG2	19	0.19
(1,11526)	1:596:A:LEU:HD21	1:599:A:GLN:HE21	2	0.19
(1,11526)	1:596:A:LEU:HD21	1:599:A:GLN:HE22	2	0.19
(1,11526)	1:596:A:LEU:HD22	1:599:A:GLN:HE21	2	0.19
(1,11526)	1:596:A:LEU:HD22	1:599:A:GLN:HE22	2	0.19
(1,11526)	1:596:A:LEU:HD23	1:599:A:GLN:HE21	2	0.19
(1,11526)	1:596:A:LEU:HD23	1:599:A:GLN:HE22	2	0.19
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG21	15	0.19
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG22	15	0.19
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG23	15	0.19
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG21	15	0.19
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG22	15	0.19
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG23	15	0.19
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG21	15	0.19
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG22	15	0.19
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG23	15	0.19
(1,10550)	1:554:A:PHE:HE1	1:564:A:VAL:HG11	7	0.19
(1,10550)	1:554:A:PHE:HE1	1:564:A:VAL:HG12	7	0.19
(1,10550)	1:554:A:PHE:HE1	1:564:A:VAL:HG13	7	0.19
(1,10550)	1:554:A:PHE:HE2	1:564:A:VAL:HG11	7	0.19
(1,10550)	1:554:A:PHE:HE2	1:564:A:VAL:HG12	7	0.19
(1,10550)	1:554:A:PHE:HE2	1:564:A:VAL:HG13	7	0.19
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	11	0.19
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	11	0.19
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE1	13	0.19
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE2	13	0.19
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE1	13	0.19
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE2	13	0.19
(1,10414)	1:548:A:THR:H	1:561:A:VAL:HG21	9	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10414)	1:548:A:THR:H	1:561:A:VAL:HG22	9	0.19
(1,10414)	1:548:A:THR:H	1:561:A:VAL:HG23	9	0.19
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	3	0.19
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	3	0.19
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	1	0.19
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	1	0.19
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	1	0.19
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	1	0.19
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	2	0.19
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	2	0.19
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	2	0.19
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	2	0.19
(1,10350)	1:546:A:MET:HE1	1:553:A:LEU:HD11	11	0.19
(1,10350)	1:546:A:MET:HE1	1:553:A:LEU:HD12	11	0.19
(1,10350)	1:546:A:MET:HE1	1:553:A:LEU:HD13	11	0.19
(1,10350)	1:546:A:MET:HE2	1:553:A:LEU:HD11	11	0.19
(1,10350)	1:546:A:MET:HE2	1:553:A:LEU:HD12	11	0.19
(1,10350)	1:546:A:MET:HE2	1:553:A:LEU:HD13	11	0.19
(1,10350)	1:546:A:MET:HE3	1:553:A:LEU:HD11	11	0.19
(1,10350)	1:546:A:MET:HE3	1:553:A:LEU:HD12	11	0.19
(1,10350)	1:546:A:MET:HE3	1:553:A:LEU:HD13	11	0.19
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	1	0.19
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	1	0.19
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	1	0.19
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	14	0.19
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	14	0.19
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	14	0.19
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	16	0.19
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	16	0.19
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	16	0.19
(1,10262)	1:542:A:ASP:HB3	1:547:A:SER:HB3	9	0.19
(1,10262)	1:542:A:ASP:HB3	1:547:A:SER:HB2	9	0.19
(1,10262)	1:542:A:ASP:HB2	1:547:A:SER:HB3	9	0.19
(1,10262)	1:542:A:ASP:HB2	1:547:A:SER:HB2	9	0.19
(1,10221)	1:541:A:THR:HA	1:567:A:ILE:HB	13	0.19
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	8	0.19
(1,9618)	1:523:A:VAL:HG21	1:601:A:LEU:HD21	13	0.19
(1,9618)	1:523:A:VAL:HG21	1:601:A:LEU:HD22	13	0.19
(1,9618)	1:523:A:VAL:HG21	1:601:A:LEU:HD23	13	0.19
(1,9618)	1:523:A:VAL:HG22	1:601:A:LEU:HD21	13	0.19
(1,9618)	1:523:A:VAL:HG22	1:601:A:LEU:HD22	13	0.19
(1,9618)	1:523:A:VAL:HG22	1:601:A:LEU:HD23	13	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9618)	1:523:A:VAL:HG23	1:601:A:LEU:HD21	13	0.19
(1,9618)	1:523:A:VAL:HG23	1:601:A:LEU:HD22	13	0.19
(1,9618)	1:523:A:VAL:HG23	1:601:A:LEU:HD23	13	0.19
(1,9348)	1:513:A:ASP:HA	1:516:A:LYS:HD3	2	0.19
(1,9348)	1:513:A:ASP:HA	1:516:A:LYS:HD2	2	0.19
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG21	17	0.19
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG22	17	0.19
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG23	17	0.19
(1,9006)	1:501:A:ALA:HA	1:530:A:HIS:HE1	20	0.19
(1,8989)	1:500:A:SER:HB3	1:530:A:HIS:HE1	5	0.19
(1,8989)	1:500:A:SER:HB2	1:530:A:HIS:HE1	5	0.19
(1,8966)	1:499:A:GLU:HB3	1:501:A:ALA:H	18	0.19
(1,8966)	1:499:A:GLU:HB2	1:501:A:ALA:H	18	0.19
(1,8705)	1:465:A:ASP:HA	1:469:A:MET:HG3	2	0.19
(1,8705)	1:465:A:ASP:HA	1:469:A:MET:HG2	2	0.19
(1,8597)	1:450:A:LEU:HA	1:455:A:ILE:HB	19	0.19
(1,8428)	1:436:A:ASP:HA	1:463:A:ARG:HA	3	0.19
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB3	14	0.19
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB2	14	0.19
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB3	14	0.19
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB2	14	0.19
(1,8292)	1:428:A:GLU:HG3	1:478:A:LYS:HA	10	0.19
(1,8292)	1:428:A:GLU:HG2	1:478:A:LYS:HA	10	0.19
(1,8291)	1:428:A:GLU:HA	1:478:A:LYS:HA	2	0.19
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG3	9	0.19
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG2	9	0.19
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	1	0.19
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	1	0.19
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	1	0.19
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	12	0.19
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	12	0.19
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	12	0.19
(1,7661)	1:384:A:GLU:HA	1:467:A:TRP:HZ3	3	0.19
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD11	7	0.19
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD12	7	0.19
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD13	7	0.19
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	8	0.19
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	8	0.19
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	8	0.19
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	8	0.19
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	8	0.19
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	8	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	8	0.19
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	8	0.19
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	8	0.19
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD11	16	0.19
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD12	16	0.19
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD13	16	0.19
(1,6725)	1:317:A:TYR:HB3	1:388:A:GLU:HB3	8	0.19
(1,6725)	1:317:A:TYR:HB3	1:388:A:GLU:HB2	8	0.19
(1,6725)	1:317:A:TYR:HB2	1:388:A:GLU:HB3	8	0.19
(1,6725)	1:317:A:TYR:HB2	1:388:A:GLU:HB2	8	0.19
(1,6645)	1:313:A:PHE:HZ	1:345:A:THR:HA	4	0.19
(1,6351)	1:298:A:LYS:H	1:322:A:ARG:HD3	10	0.19
(1,6351)	1:298:A:LYS:H	1:322:A:ARG:HD2	10	0.19
(1,6231)	1:291:A:ARG:HA	1:293:A:HIS:HA	13	0.19
(1,6166)	1:286:A:TRP:HZ3	1:289:A:TRP:H	9	0.19
(1,5953)	1:276:A:SER:HB3	1:325:A:ILE:HB	16	0.19
(1,5953)	1:276:A:SER:HB2	1:325:A:ILE:HB	16	0.19
(1,5859)	1:270:A:GLY:H	1:273:A:GLU:HB3	4	0.19
(1,5859)	1:270:A:GLY:H	1:273:A:GLU:HB2	4	0.19
(1,5828)	1:268:A:VAL:HG11	1:276:A:SER:H	19	0.19
(1,5828)	1:268:A:VAL:HG12	1:276:A:SER:H	19	0.19
(1,5828)	1:268:A:VAL:HG13	1:276:A:SER:H	19	0.19
(1,5734)	1:263:A:TRP:HZ3	1:370:A:LYS:HZ3	14	0.19
(1,5674)	1:261:A:LEU:HD11	1:374:A:PHE:HA	15	0.19
(1,5674)	1:261:A:LEU:HD12	1:374:A:PHE:HA	15	0.19
(1,5674)	1:261:A:LEU:HD13	1:374:A:PHE:HA	15	0.19
(1,5584)	1:253:A:ILE:HB	1:322:A:ARG:HD3	11	0.19
(1,5584)	1:253:A:ILE:HB	1:322:A:ARG:HD2	11	0.19
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	3	0.19
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	12	0.19
(1,4664)	1:204:A:ILE:H	1:230:A:ALA:HA	11	0.19
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG3	11	0.19
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG2	11	0.19
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	1	0.19
(1,4291)	1:191:A:TRP:HE1	1:192:A:ARG:HA	18	0.19
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB3	13	0.19
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB2	13	0.19
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB3	13	0.19
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB2	13	0.19
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	7	0.19
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	12	0.19
(1,2594)	1:99:A:LYS:HE3	1:101:A:GLY:H	5	0.19

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:99:A:LYS:HE2	1:101:A:GLY:H	5	0.19
(1,2594)	1:99:A:LYS:HE3	1:101:A:GLY:H	20	0.19
(1,2594)	1:99:A:LYS:HE2	1:101:A:GLY:H	20	0.19
(1,2205)	1:86:A:THR:HB	1:87:A:ARG:H	3	0.19
(1,1676)	1:69:A:PHE:HA	1:77:A:THR:HB	8	0.19
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	15	0.19
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	19	0.19
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	4	0.19
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	14	0.19
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	14	0.19
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	18	0.19
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	18	0.19
(1,890)	1:44:A:ASP:HA	1:300:A:TYR:HE1	5	0.19
(1,510)	1:33:A:ARG:HH21	1:251:A:LYS:HB3	11	0.19
(1,510)	1:33:A:ARG:HH21	1:251:A:LYS:HB2	11	0.19
(1,510)	1:33:A:ARG:HH22	1:251:A:LYS:HB3	11	0.19
(1,510)	1:33:A:ARG:HH22	1:251:A:LYS:HB2	11	0.19
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG11	2	0.18
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG12	2	0.18
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG13	2	0.18
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD11	4	0.18
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD12	4	0.18
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD13	4	0.18
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD11	4	0.18
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD12	4	0.18
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD13	4	0.18
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD11	4	0.18
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD12	4	0.18
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD13	4	0.18
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD11	8	0.18
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD12	8	0.18
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD13	8	0.18
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD11	8	0.18
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD12	8	0.18
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD13	8	0.18
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD11	8	0.18
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD12	8	0.18
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD13	8	0.18
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	15	0.18
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	15	0.18
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	15	0.18
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB1	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB2	6	0.18
(1,24204)	1:396:B:ILE:HD11	2:82:C:ALA:HB3	6	0.18
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB1	6	0.18
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB2	6	0.18
(1,24204)	1:396:B:ILE:HD12	2:82:C:ALA:HB3	6	0.18
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB1	6	0.18
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB2	6	0.18
(1,24204)	1:396:B:ILE:HD13	2:82:C:ALA:HB3	6	0.18
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD11	11	0.18
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD12	11	0.18
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD13	11	0.18
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD11	11	0.18
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD12	11	0.18
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD13	11	0.18
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD11	11	0.18
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD12	11	0.18
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD13	11	0.18
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	20	0.18
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	20	0.18
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	20	0.18
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	20	0.18
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE1	10	0.18
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE2	10	0.18
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE3	10	0.18
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE1	10	0.18
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE2	10	0.18
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE3	10	0.18
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE1	10	0.18
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE2	10	0.18
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE3	10	0.18
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE1	14	0.18
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE2	14	0.18
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE3	14	0.18
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE1	14	0.18
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE2	14	0.18
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE3	14	0.18
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE1	14	0.18
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE2	14	0.18
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE3	14	0.18
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB1	17	0.18
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB2	17	0.18
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB3	17	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB1	17	0.18
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB2	17	0.18
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB3	17	0.18
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB1	17	0.18
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB2	17	0.18
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB3	17	0.18
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD11	19	0.18
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD12	19	0.18
(1,24179)	1:450:A:LEU:HD11	2:6:C:LEU:HD13	19	0.18
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD11	19	0.18
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD12	19	0.18
(1,24179)	1:450:A:LEU:HD12	2:6:C:LEU:HD13	19	0.18
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD11	19	0.18
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD12	19	0.18
(1,24179)	1:450:A:LEU:HD13	2:6:C:LEU:HD13	19	0.18
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	3	0.18
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	3	0.18
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	3	0.18
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	3	0.18
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	3	0.18
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	3	0.18
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	3	0.18
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	3	0.18
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	3	0.18
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	19	0.18
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	19	0.18
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	19	0.18
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	19	0.18
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	19	0.18
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	19	0.18
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	19	0.18
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	19	0.18
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	19	0.18
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	14	0.18
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	14	0.18
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	14	0.18
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	14	0.18
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	14	0.18
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	14	0.18
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	14	0.18
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	14	0.18
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	14	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB1	1	0.18
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB2	1	0.18
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB3	1	0.18
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB1	1	0.18
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB2	1	0.18
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB3	1	0.18
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB1	1	0.18
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB2	1	0.18
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB3	1	0.18
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	8	0.18
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	8	0.18
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	8	0.18
(1,23988)	1:614:B:PHE:HA	1:617:B:ARG:HD3	20	0.18
(1,23988)	1:614:B:PHE:HA	1:617:B:ARG:HD2	20	0.18
(1,23079)	1:574:B:HIS:HE1	1:575:B:VAL:HB	8	0.18
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG21	15	0.18
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG22	15	0.18
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG23	15	0.18
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	6	0.18
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	6	0.18
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	6	0.18
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	6	0.18
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	5	0.18
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	5	0.18
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	5	0.18
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	5	0.18
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	5	0.18
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	5	0.18
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	12	0.18
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	12	0.18
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	12	0.18
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	12	0.18
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	12	0.18
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	12	0.18
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	20	0.18
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	20	0.18
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	20	0.18
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	20	0.18
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	20	0.18
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	20	0.18
(1,22335)	1:542:B:ASP:HB3	1:553:B:LEU:HB3	19	0.18
(1,22335)	1:542:B:ASP:HB3	1:553:B:LEU:HB2	19	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22335)	1:542:B:ASP:HB2	1:553:B:LEU:HB3	19	0.18
(1,22335)	1:542:B:ASP:HB2	1:553:B:LEU:HB2	19	0.18
(1,22326)	1:541:B:THR:HG21	1:542:B:ASP:H	4	0.18
(1,22326)	1:541:B:THR:HG22	1:542:B:ASP:H	4	0.18
(1,22326)	1:541:B:THR:HG23	1:542:B:ASP:H	4	0.18
(1,22054)	1:535:B:THR:HA	1:574:B:HIS:HD2	4	0.18
(1,21988)	1:531:B:ARG:HB3	1:538:B:ILE:HB	14	0.18
(1,21988)	1:531:B:ARG:HB2	1:538:B:ILE:HB	14	0.18
(1,21209)	1:506:B:LYS:HA	1:509:B:THR:HG21	4	0.18
(1,21209)	1:506:B:LYS:HA	1:509:B:THR:HG22	4	0.18
(1,21209)	1:506:B:LYS:HA	1:509:B:THR:HG23	4	0.18
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	15	0.18
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	15	0.18
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	9	0.18
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	9	0.18
(1,21042)	1:498:B:ASP:HA	1:499:B:GLU:HG3	2	0.18
(1,21042)	1:498:B:ASP:HA	1:499:B:GLU:HG2	2	0.18
(1,20742)	1:460:B:LEU:HD21	1:465:B:ASP:HA	14	0.18
(1,20742)	1:460:B:LEU:HD22	1:465:B:ASP:HA	14	0.18
(1,20742)	1:460:B:LEU:HD23	1:465:B:ASP:HA	14	0.18
(1,20616)	1:445:B:PRO:HA	1:448:B:GLU:HG3	12	0.18
(1,20616)	1:445:B:PRO:HA	1:448:B:GLU:HG2	12	0.18
(1,20507)	1:436:B:ASP:HA	1:461:B:SER:HA	12	0.18
(1,20362)	1:427:B:GLN:HG3	1:429:B:LYS:H	14	0.18
(1,20362)	1:427:B:GLN:HG2	1:429:B:LYS:H	14	0.18
(1,20266)	1:419:B:TYR:HA	1:422:B:ARG:HD3	9	0.18
(1,20266)	1:419:B:TYR:HA	1:422:B:ARG:HD2	9	0.18
(1,19993)	1:402:B:PHE:H	1:414:B:VAL:HB	5	0.18
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD11	17	0.18
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD12	17	0.18
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD13	17	0.18
(1,19859)	1:393:B:GLN:HA	1:396:B:ILE:HB	14	0.18
(1,19775)	1:386:B:PRO:HG3	1:400:B:LEU:HD11	1	0.18
(1,19775)	1:386:B:PRO:HG3	1:400:B:LEU:HD12	1	0.18
(1,19775)	1:386:B:PRO:HG3	1:400:B:LEU:HD13	1	0.18
(1,19775)	1:386:B:PRO:HG2	1:400:B:LEU:HD11	1	0.18
(1,19775)	1:386:B:PRO:HG2	1:400:B:LEU:HD12	1	0.18
(1,19775)	1:386:B:PRO:HG2	1:400:B:LEU:HD13	1	0.18
(1,19738)	1:384:B:GLU:HA	1:467:B:TRP:HH2	2	0.18
(1,19716)	1:383:B:LYS:HD3	1:462:B:ASP:HB3	2	0.18
(1,19716)	1:383:B:LYS:HD3	1:462:B:ASP:HB2	2	0.18
(1,19716)	1:383:B:LYS:HD2	1:462:B:ASP:HB3	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19716)	1:383:B:LYS:HD2	1:462:B:ASP:HB2	2	0.18
(1,19579)	1:375:B:TRP:HZ3	1:400:B:LEU:HA	20	0.18
(1,19215)	1:352:B:LEU:HD21	1:356:B:VAL:H	2	0.18
(1,19215)	1:352:B:LEU:HD22	1:356:B:VAL:H	2	0.18
(1,19215)	1:352:B:LEU:HD23	1:356:B:VAL:H	2	0.18
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD21	18	0.18
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD22	18	0.18
(1,18803)	1:317:B:TYR:HB3	1:388:B:GLU:HB3	11	0.18
(1,18803)	1:317:B:TYR:HB3	1:388:B:GLU:HB2	11	0.18
(1,18803)	1:317:B:TYR:HB2	1:388:B:GLU:HB3	11	0.18
(1,18803)	1:317:B:TYR:HB2	1:388:B:GLU:HB2	11	0.18
(1,18758)	1:314:B:MET:HB3	1:319:B:ARG:HA	11	0.18
(1,18758)	1:314:B:MET:HB2	1:319:B:ARG:HA	11	0.18
(1,18239)	1:286:B:TRP:HZ3	1:290:B:ASN:HA	9	0.18
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD3	3	0.18
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD2	3	0.18
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD3	3	0.18
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD2	3	0.18
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD3	3	0.18
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD2	3	0.18
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	17	0.18
(1,17472)	1:243:B:ASP:HA	1:263:B:TRP:HH2	11	0.18
(1,17414)	1:237:B:ASN:HD21	1:238:B:LYS:H	4	0.18
(1,17414)	1:237:B:ASN:HD22	1:238:B:LYS:H	4	0.18
(1,17409)	1:237:B:ASN:HD21	1:239:B:SER:H	12	0.18
(1,17409)	1:237:B:ASN:HD22	1:239:B:SER:H	12	0.18
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	18	0.18
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	18	0.18
(1,16742)	1:204:B:ILE:H	1:230:B:ALA:HA	16	0.18
(1,16284)	1:187:B:PHE:HA	1:192:B:ARG:HG3	6	0.18
(1,16284)	1:187:B:PHE:HA	1:192:B:ARG:HG2	6	0.18
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	13	0.18
(1,16067)	1:168:B:THR:HG21	1:169:B:LYS:HA	15	0.18
(1,16067)	1:168:B:THR:HG22	1:169:B:LYS:HA	15	0.18
(1,16067)	1:168:B:THR:HG23	1:169:B:LYS:HA	15	0.18
(1,15976)	1:158:B:GLY:H	1:161:B:GLU:HG3	4	0.18
(1,15976)	1:158:B:GLY:H	1:161:B:GLU:HG2	4	0.18
(1,15907)	1:154:B:TRP:HZ2	1:162:B:TYR:HB3	7	0.18
(1,15907)	1:154:B:TRP:HZ2	1:162:B:TYR:HB2	7	0.18
(1,15413)	1:136:B:LYS:HG3	1:155:B:GLU:HA	11	0.18
(1,15413)	1:136:B:LYS:HG2	1:155:B:GLU:HA	11	0.18
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB3	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB2	6	0.18
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB3	6	0.18
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB2	6	0.18
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB3	6	0.18
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB2	6	0.18
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	7	0.18
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	7	0.18
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	7	0.18
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	7	0.18
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB1	7	0.18
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB2	7	0.18
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB3	7	0.18
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB1	7	0.18
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB2	7	0.18
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB3	7	0.18
(1,14779)	1:105:B:PHE:HD2	1:110:B:GLY:H	5	0.18
(1,14479)	1:93:B:HIS:HB3	1:119:B:LEU:HA	5	0.18
(1,14479)	1:93:B:HIS:HB2	1:119:B:LEU:HA	5	0.18
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	5	0.18
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	15	0.18
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	9	0.18
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	17	0.18
(1,13368)	1:60:B:ASP:HB3	1:172:B:ARG:H	7	0.18
(1,13368)	1:60:B:ASP:HB2	1:172:B:ARG:H	7	0.18
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	10	0.18
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	10	0.18
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	10	0.18
(1,12180)	1:19:B:LEU:HD21	1:256:B:ASP:HA	14	0.18
(1,12180)	1:19:B:LEU:HD22	1:256:B:ASP:HA	14	0.18
(1,12180)	1:19:B:LEU:HD23	1:256:B:ASP:HA	14	0.18
(1,12173)	1:19:B:LEU:HA	1:257:B:PHE:HZ	17	0.18
(1,11861)	1:612:A:ASN:HA	1:615:A:ILE:HB	4	0.18
(1,11300)	1:588:A:LYS:HD3	1:591:A:GLU:HG3	9	0.18
(1,11300)	1:588:A:LYS:HD3	1:591:A:GLU:HG2	9	0.18
(1,11300)	1:588:A:LYS:HD2	1:591:A:GLU:HG3	9	0.18
(1,11300)	1:588:A:LYS:HD2	1:591:A:GLU:HG2	9	0.18
(1,11215)	1:584:A:GLU:HG3	1:585:A:ASP:HA	3	0.18
(1,11215)	1:584:A:GLU:HG2	1:585:A:ASP:HA	3	0.18
(1,10641)	1:557:A:ALA:HA	1:561:A:VAL:HG21	8	0.18
(1,10641)	1:557:A:ALA:HA	1:561:A:VAL:HG22	8	0.18
(1,10641)	1:557:A:ALA:HA	1:561:A:VAL:HG23	8	0.18
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG21	7	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG22	7	0.18
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG23	7	0.18
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG21	8	0.18
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG22	8	0.18
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG23	8	0.18
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG21	18	0.18
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG22	18	0.18
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG23	18	0.18
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	4	0.18
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	4	0.18
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	4	0.18
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	4	0.18
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	4	0.18
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	4	0.18
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	8	0.18
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	8	0.18
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	8	0.18
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	8	0.18
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	11	0.18
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	11	0.18
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	11	0.18
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	11	0.18
(1,10354)	1:546:A:MET:HE1	1:548:A:THR:H	7	0.18
(1,10354)	1:546:A:MET:HE2	1:548:A:THR:H	7	0.18
(1,10354)	1:546:A:MET:HE3	1:548:A:THR:H	7	0.18
(1,10326)	1:546:A:MET:HB3	1:605:A:ARG:HD3	4	0.18
(1,10326)	1:546:A:MET:HB3	1:605:A:ARG:HD2	4	0.18
(1,10326)	1:546:A:MET:HB2	1:605:A:ARG:HD3	4	0.18
(1,10326)	1:546:A:MET:HB2	1:605:A:ARG:HD2	4	0.18
(1,9922)	1:531:A:ARG:HA	1:532:A:LEU:HD21	13	0.18
(1,9922)	1:531:A:ARG:HA	1:532:A:LEU:HD22	13	0.18
(1,9922)	1:531:A:ARG:HA	1:532:A:LEU:HD23	13	0.18
(1,9532)	1:518:A:LEU:HD11	1:519:A:LEU:HA	1	0.18
(1,9532)	1:518:A:LEU:HD12	1:519:A:LEU:HA	1	0.18
(1,9532)	1:518:A:LEU:HD13	1:519:A:LEU:HA	1	0.18
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	12	0.18
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD21	4	0.18
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD22	4	0.18
(1,8597)	1:450:A:LEU:HA	1:455:A:ILE:HB	18	0.18
(1,8496)	1:441:A:ALA:HA	1:444:A:SER:HB3	17	0.18
(1,8496)	1:441:A:ALA:HA	1:444:A:SER:HB2	17	0.18
(1,8372)	1:432:A:TYR:HA	1:460:A:LEU:HD11	2	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8372)	1:432:A:TYR:HA	1:460:A:LEU:HD12	2	0.18
(1,8372)	1:432:A:TYR:HA	1:460:A:LEU:HD13	2	0.18
(1,7941)	1:403:A:ALA:HA	1:414:A:VAL:HB	14	0.18
(1,7733)	1:388:A:GLU:H	1:396:A:ILE:HD11	12	0.18
(1,7733)	1:388:A:GLU:H	1:396:A:ILE:HD12	12	0.18
(1,7733)	1:388:A:GLU:H	1:396:A:ILE:HD13	12	0.18
(1,7641)	1:383:A:LYS:HE3	1:402:A:PHE:HZ	10	0.18
(1,7641)	1:383:A:LYS:HE2	1:402:A:PHE:HZ	10	0.18
(1,6515)	1:302:A:GLN:HG3	1:328:A:SER:HA	15	0.18
(1,6515)	1:302:A:GLN:HG2	1:328:A:SER:HA	15	0.18
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD3	20	0.18
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD2	20	0.18
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD3	9	0.18
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD2	9	0.18
(1,6163)	1:286:A:TRP:HZ3	1:290:A:ASN:HD21	16	0.18
(1,6163)	1:286:A:TRP:HZ3	1:290:A:ASN:HD22	16	0.18
(1,6149)	1:285:A:PRO:HG3	1:288:A:MET:H	19	0.18
(1,6149)	1:285:A:PRO:HG2	1:288:A:MET:H	19	0.18
(1,5311)	1:236:A:ARG:HB3	1:265:A:HIS:HE1	20	0.18
(1,5311)	1:236:A:ARG:HB2	1:265:A:HIS:HE1	20	0.18
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	4	0.18
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	10	0.18
(1,5012)	1:215:A:GLU:HG3	1:220:A:THR:HB	3	0.18
(1,5012)	1:215:A:GLU:HG2	1:220:A:THR:HB	3	0.18
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	20	0.18
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	20	0.18
(1,4664)	1:204:A:ILE:H	1:230:A:ALA:HA	18	0.18
(1,4194)	1:186:A:GLU:HG3	1:187:A:PHE:HA	6	0.18
(1,4194)	1:186:A:GLU:HG2	1:187:A:PHE:HA	6	0.18
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	5	0.18
(1,2997)	1:122:A:GLN:HE21	1:125:A:VAL:HB	19	0.18
(1,2997)	1:122:A:GLN:HE22	1:125:A:VAL:HB	19	0.18
(1,2917)	1:117:A:SER:HA	1:118:A:GLN:HE21	19	0.18
(1,2917)	1:117:A:SER:HA	1:118:A:GLN:HE22	19	0.18
(1,2762)	1:107:A:GLU:HG3	1:113:A:GLN:HG3	19	0.18
(1,2762)	1:107:A:GLU:HG3	1:113:A:GLN:HG2	19	0.18
(1,2762)	1:107:A:GLU:HG2	1:113:A:GLN:HG3	19	0.18
(1,2762)	1:107:A:GLU:HG2	1:113:A:GLN:HG2	19	0.18
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE21	6	0.18
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE22	6	0.18
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE21	6	0.18
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE22	6	0.18

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE21	10	0.18
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE22	10	0.18
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE21	10	0.18
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE22	10	0.18
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB1	20	0.18
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB2	20	0.18
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB3	20	0.18
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB1	20	0.18
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB2	20	0.18
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB3	20	0.18
(1,2699)	1:105:A:PHE:HB3	1:112:A:ASP:H	2	0.18
(1,2699)	1:105:A:PHE:HB2	1:112:A:ASP:H	2	0.18
(1,2699)	1:105:A:PHE:HB3	1:112:A:ASP:H	6	0.18
(1,2699)	1:105:A:PHE:HB2	1:112:A:ASP:H	6	0.18
(1,344)	1:29:A:GLU:HB3	1:187:A:PHE:HZ	13	0.18
(1,344)	1:29:A:GLU:HB2	1:187:A:PHE:HZ	13	0.18
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	9	0.18
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	9	0.18
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	9	0.18
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	11	0.18
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	11	0.18
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	11	0.18
(1,102)	1:19:A:LEU:HD21	1:256:A:ASP:HA	6	0.18
(1,102)	1:19:A:LEU:HD22	1:256:A:ASP:HA	6	0.18
(1,102)	1:19:A:LEU:HD23	1:256:A:ASP:HA	6	0.18
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB1	15	0.17
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB2	15	0.17
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB3	15	0.17
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB1	15	0.17
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB2	15	0.17
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB3	15	0.17
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB1	15	0.17
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB2	15	0.17
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB3	15	0.17
(1,24203)	1:317:A:TYR:HD1	2:29:C:LEU:HD21	19	0.17
(1,24203)	1:317:A:TYR:HD1	2:29:C:LEU:HD22	19	0.17
(1,24203)	1:317:A:TYR:HD1	2:29:C:LEU:HD23	19	0.17
(1,24203)	1:317:A:TYR:HD2	2:29:C:LEU:HD21	19	0.17
(1,24203)	1:317:A:TYR:HD2	2:29:C:LEU:HD22	19	0.17
(1,24203)	1:317:A:TYR:HD2	2:29:C:LEU:HD23	19	0.17
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	4	0.17
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	4	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	4	0.17
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	4	0.17
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	4	0.17
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	4	0.17
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	4	0.17
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	4	0.17
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	4	0.17
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	20	0.17
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	20	0.17
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	20	0.17
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	20	0.17
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	20	0.17
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	20	0.17
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	20	0.17
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	20	0.17
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	20	0.17
(1,24170)	1:464:A:ILE:HD11	2:24:C:MET:HE1	7	0.17
(1,24170)	1:464:A:ILE:HD11	2:24:C:MET:HE2	7	0.17
(1,24170)	1:464:A:ILE:HD11	2:24:C:MET:HE3	7	0.17
(1,24170)	1:464:A:ILE:HD12	2:24:C:MET:HE1	7	0.17
(1,24170)	1:464:A:ILE:HD12	2:24:C:MET:HE2	7	0.17
(1,24170)	1:464:A:ILE:HD12	2:24:C:MET:HE3	7	0.17
(1,24170)	1:464:A:ILE:HD13	2:24:C:MET:HE1	7	0.17
(1,24170)	1:464:A:ILE:HD13	2:24:C:MET:HE2	7	0.17
(1,24170)	1:464:A:ILE:HD13	2:24:C:MET:HE3	7	0.17
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	3	0.17
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	3	0.17
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	3	0.17
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	3	0.17
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	3	0.17
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	3	0.17
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	3	0.17
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	3	0.17
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	3	0.17
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	5	0.17
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	5	0.17
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	5	0.17
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	5	0.17
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	5	0.17
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	5	0.17
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	5	0.17
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	5	0.17
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	17	0.17
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	17	0.17
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	17	0.17
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	17	0.17
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	17	0.17
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	17	0.17
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	17	0.17
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	17	0.17
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	17	0.17
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB1	8	0.17
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB2	8	0.17
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB3	8	0.17
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB1	8	0.17
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB2	8	0.17
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB3	8	0.17
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB1	8	0.17
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB2	8	0.17
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB3	8	0.17
(1,24104)	1:620:B:GLN:HE21	1:623:B:VAL:HG11	11	0.17
(1,24104)	1:620:B:GLN:HE21	1:623:B:VAL:HG12	11	0.17
(1,24104)	1:620:B:GLN:HE21	1:623:B:VAL:HG13	11	0.17
(1,24104)	1:620:B:GLN:HE22	1:623:B:VAL:HG11	11	0.17
(1,24104)	1:620:B:GLN:HE22	1:623:B:VAL:HG12	11	0.17
(1,24104)	1:620:B:GLN:HE22	1:623:B:VAL:HG13	11	0.17
(1,23944)	1:612:B:ASN:HB3	1:614:B:PHE:H	12	0.17
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG11	8	0.17
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG12	8	0.17
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG13	8	0.17
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG11	14	0.17
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG12	14	0.17
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG13	14	0.17
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	2	0.17
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	2	0.17
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	13	0.17
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	13	0.17
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	13	0.17
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	13	0.17
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	13	0.17
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	13	0.17
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	14	0.17
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	14	0.17
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	14	0.17
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	14	0.17
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	14	0.17
(1,22495)	1:548:B:THR:HA	1:560:B:LYS:HA	8	0.17
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	4	0.17
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	4	0.17
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	4	0.17
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	4	0.17
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	9	0.17
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	9	0.17
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	9	0.17
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	9	0.17
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	10	0.17
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	10	0.17
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	10	0.17
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	10	0.17
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	4	0.17
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	4	0.17
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	4	0.17
(1,22299)	1:541:B:THR:HA	1:567:B:ILE:HB	16	0.17
(1,22299)	1:541:B:THR:HA	1:567:B:ILE:HB	19	0.17
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG21	11	0.17
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG22	11	0.17
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG23	11	0.17
(1,21084)	1:501:B:ALA:HA	1:530:B:HIS:HE1	4	0.17
(1,21059)	1:500:B:SER:HB3	1:572:B:PRO:HB3	13	0.17
(1,21059)	1:500:B:SER:HB2	1:572:B:PRO:HB3	13	0.17
(1,20926)	1:481:B:GLN:HE21	1:482:B:SER:H	1	0.17
(1,20926)	1:481:B:GLN:HE22	1:482:B:SER:H	1	0.17
(1,20881)	1:474:B:GLU:HG3	1:478:B:LYS:HA	2	0.17
(1,20881)	1:474:B:GLU:HG2	1:478:B:LYS:HA	2	0.17
(1,20634)	1:447:B:LEU:HA	1:457:B:VAL:HG11	1	0.17
(1,20634)	1:447:B:LEU:HA	1:457:B:VAL:HG12	1	0.17
(1,20634)	1:447:B:LEU:HA	1:457:B:VAL:HG13	1	0.17
(1,20466)	1:433:B:ILE:HA	1:482:B:SER:HA	14	0.17
(1,20466)	1:433:B:ILE:HA	1:482:B:SER:HA	15	0.17
(1,20378)	1:429:B:LYS:HD3	1:481:B:GLN:HB3	3	0.17
(1,20378)	1:429:B:LYS:HD3	1:481:B:GLN:HB2	3	0.17
(1,20378)	1:429:B:LYS:HD2	1:481:B:GLN:HB3	3	0.17
(1,20378)	1:429:B:LYS:HD2	1:481:B:GLN:HB2	3	0.17
(1,20354)	1:427:B:GLN:HG3	1:478:B:LYS:HG3	14	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20354)	1:427:B:GLN:HG3	1:478:B:LYS:HG2	14	0.17
(1,20354)	1:427:B:GLN:HG2	1:478:B:LYS:HG3	14	0.17
(1,20354)	1:427:B:GLN:HG2	1:478:B:LYS:HG2	14	0.17
(1,20321)	1:423:B:MET:HA	1:427:B:GLN:HE21	11	0.17
(1,20321)	1:423:B:MET:HA	1:427:B:GLN:HE22	11	0.17
(1,20221)	1:417:B:GLU:HG3	1:475:B:PHE:HZ	1	0.17
(1,20221)	1:417:B:GLU:HG2	1:475:B:PHE:HZ	1	0.17
(1,19924)	1:398:B:LYS:HD3	1:475:B:PHE:HZ	6	0.17
(1,19924)	1:398:B:LYS:HD2	1:475:B:PHE:HZ	6	0.17
(1,19798)	1:387:B:ALA:H	1:468:B:MET:HA	9	0.17
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD11	13	0.17
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD12	13	0.17
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD13	13	0.17
(1,18802)	1:317:B:TYR:HB3	1:388:B:GLU:H	1	0.17
(1,18802)	1:317:B:TYR:HB2	1:388:B:GLU:H	1	0.17
(1,18761)	1:314:B:MET:HB3	1:318:B:LEU:H	10	0.17
(1,18761)	1:314:B:MET:HB2	1:318:B:LEU:H	10	0.17
(1,18278)	1:288:B:MET:HA	1:294:B:LYS:H	1	0.17
(1,18278)	1:288:B:MET:HA	1:294:B:LYS:H	14	0.17
(1,18275)	1:288:B:MET:HA	1:319:B:ARG:HD3	18	0.17
(1,18275)	1:288:B:MET:HA	1:319:B:ARG:HD2	18	0.17
(1,18238)	1:286:B:TRP:HE3	1:290:B:ASN:H	15	0.17
(1,18200)	1:283:B:GLN:HG3	1:284:B:ALA:H	11	0.17
(1,18200)	1:283:B:GLN:HG2	1:284:B:ALA:H	11	0.17
(1,18184)	1:282:B:SER:HA	1:374:B:PHE:HA	13	0.17
(1,18031)	1:276:B:SER:HB3	1:325:B:ILE:HB	11	0.17
(1,18031)	1:276:B:SER:HB2	1:325:B:ILE:HB	11	0.17
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD3	8	0.17
(1,17663)	1:253:B:ILE:HD11	1:322:B:ARG:HD2	8	0.17
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD3	8	0.17
(1,17663)	1:253:B:ILE:HD12	1:322:B:ARG:HD2	8	0.17
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD3	8	0.17
(1,17663)	1:253:B:ILE:HD13	1:322:B:ARG:HD2	8	0.17
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	7	0.17
(1,17341)	1:234:B:TRP:HE1	1:303:B:ARG:HD3	1	0.17
(1,17341)	1:234:B:TRP:HE1	1:303:B:ARG:HD2	1	0.17
(1,17278)	1:231:B:GLN:HG3	1:235:B:THR:HG21	11	0.17
(1,17278)	1:231:B:GLN:HG3	1:235:B:THR:HG22	11	0.17
(1,17278)	1:231:B:GLN:HG3	1:235:B:THR:HG23	11	0.17
(1,17278)	1:231:B:GLN:HG2	1:235:B:THR:HG21	11	0.17
(1,17278)	1:231:B:GLN:HG2	1:235:B:THR:HG22	11	0.17
(1,17278)	1:231:B:GLN:HG2	1:235:B:THR:HG23	11	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17268)	1:230:B:ALA:H	1:236:B:ARG:HH11	6	0.17
(1,17187)	1:222:B:ILE:HB	1:223:B:SER:HA	5	0.17
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	14	0.17
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	14	0.17
(1,16260)	1:186:B:GLU:HA	1:191:B:TRP:HZ2	5	0.17
(1,16260)	1:186:B:GLU:HA	1:191:B:TRP:HZ2	10	0.17
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	11	0.17
(1,14995)	1:117:B:SER:HA	1:118:B:GLN:HE21	18	0.17
(1,14995)	1:117:B:SER:HA	1:118:B:GLN:HE22	18	0.17
(1,14909)	1:112:B:ASP:HA	1:115:B:LYS:H	17	0.17
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB3	8	0.17
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB2	8	0.17
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB3	8	0.17
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB2	8	0.17
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB3	8	0.17
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB2	8	0.17
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	17	0.17
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	17	0.17
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	17	0.17
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	17	0.17
(1,14830)	1:106:B:LEU:HD11	1:107:B:GLU:H	16	0.17
(1,14830)	1:106:B:LEU:HD12	1:107:B:GLU:H	16	0.17
(1,14830)	1:106:B:LEU:HD13	1:107:B:GLU:H	16	0.17
(1,14820)	1:106:B:LEU:HD11	1:109:B:LEU:H	12	0.17
(1,14820)	1:106:B:LEU:HD12	1:109:B:LEU:H	12	0.17
(1,14820)	1:106:B:LEU:HD13	1:109:B:LEU:H	12	0.17
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB1	3	0.17
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB2	3	0.17
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB3	3	0.17
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB1	3	0.17
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB2	3	0.17
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB3	3	0.17
(1,14801)	1:106:B:LEU:HA	1:114:B:ALA:HB1	6	0.17
(1,14801)	1:106:B:LEU:HA	1:114:B:ALA:HB2	6	0.17
(1,14801)	1:106:B:LEU:HA	1:114:B:ALA:HB3	6	0.17
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD21	10	0.17
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD22	10	0.17
(1,14707)	1:102:B:THR:HB	1:117:B:SER:HA	17	0.17
(1,14656)	1:98:B:ALA:H	1:99:B:LYS:H	3	0.17
(1,14656)	1:98:B:ALA:H	1:99:B:LYS:H	7	0.17
(1,14646)	1:98:B:ALA:H	1:154:B:TRP:HZ2	3	0.17
(1,14477)	1:93:B:HIS:HB3	1:123:B:PHE:HB3	2	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14477)	1:93:B:HIS:HB3	1:123:B:PHE:HB2	2	0.17
(1,14477)	1:93:B:HIS:HB2	1:123:B:PHE:HB3	2	0.17
(1,14477)	1:93:B:HIS:HB2	1:123:B:PHE:HB2	2	0.17
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	16	0.17
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	4	0.17
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	10	0.17
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	10	0.17
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	12	0.17
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	12	0.17
(1,13222)	1:51:B:LEU:HB3	1:332:B:LEU:HG	6	0.17
(1,13222)	1:51:B:LEU:HB2	1:332:B:LEU:HG	6	0.17
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE1	18	0.17
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE2	18	0.17
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE1	18	0.17
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE2	18	0.17
(1,12968)	1:44:B:ASP:HA	1:300:B:TYR:HE1	14	0.17
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	1	0.17
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	1	0.17
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	1	0.17
(1,12173)	1:19:B:LEU:HA	1:257:B:PHE:HZ	3	0.17
(1,11589)	1:599:A:GLN:HE21	1:618:A:MET:HB3	12	0.17
(1,11589)	1:599:A:GLN:HE21	1:618:A:MET:HB2	12	0.17
(1,11589)	1:599:A:GLN:HE22	1:618:A:MET:HB3	12	0.17
(1,11589)	1:599:A:GLN:HE22	1:618:A:MET:HB2	12	0.17
(1,11052)	1:576:A:LEU:HA	1:579:A:ARG:HB3	19	0.17
(1,11052)	1:576:A:LEU:HA	1:579:A:ARG:HB2	19	0.17
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD21	10	0.17
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD22	10	0.17
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD23	10	0.17
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	16	0.17
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	16	0.17
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	16	0.17
(1,10689)	1:560:A:LYS:HE3	1:566:A:TYR:H	8	0.17
(1,10689)	1:560:A:LYS:HE2	1:566:A:TYR:H	8	0.17
(1,10634)	1:557:A:ALA:HA	1:561:A:VAL:HA	16	0.17
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG21	13	0.17
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG22	13	0.17
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG23	13	0.17
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD21	7	0.17
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD22	7	0.17
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD23	7	0.17
(1,10417)	1:548:A:THR:HA	1:560:A:LYS:HA	5	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10390)	1:547:A:SER:H	1:550:A:MET:HB3	7	0.17
(1,10390)	1:547:A:SER:H	1:550:A:MET:HB2	7	0.17
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	5	0.17
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	5	0.17
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	5	0.17
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	5	0.17
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	17	0.17
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	17	0.17
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	17	0.17
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	17	0.17
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	10	0.17
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	10	0.17
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	10	0.17
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	10	0.17
(1,10385)	1:547:A:SER:HB3	1:552:A:LYS:HB3	16	0.17
(1,10385)	1:547:A:SER:HB3	1:552:A:LYS:HB2	16	0.17
(1,10385)	1:547:A:SER:HB2	1:552:A:LYS:HB3	16	0.17
(1,10385)	1:547:A:SER:HB2	1:552:A:LYS:HB2	16	0.17
(1,10240)	1:541:A:THR:HB	1:543:A:ALA:H	8	0.17
(1,10225)	1:541:A:THR:HA	1:566:A:TYR:HA	11	0.17
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	12	0.17
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	14	0.17
(1,9963)	1:534:A:ASP:HA	1:574:A:HIS:HA	9	0.17
(1,9598)	1:521:A:GLU:H	1:522:A:ARG:HG3	8	0.17
(1,9598)	1:521:A:GLU:H	1:522:A:ARG:HG2	8	0.17
(1,9598)	1:521:A:GLU:H	1:522:A:ARG:HG3	15	0.17
(1,9598)	1:521:A:GLU:H	1:522:A:ARG:HG2	15	0.17
(1,9131)	1:506:A:LYS:HA	1:509:A:THR:HG21	15	0.17
(1,9131)	1:506:A:LYS:HA	1:509:A:THR:HG22	15	0.17
(1,9131)	1:506:A:LYS:HA	1:509:A:THR:HG23	15	0.17
(1,8989)	1:500:A:SER:HB3	1:530:A:HIS:HE1	9	0.17
(1,8989)	1:500:A:SER:HB2	1:530:A:HIS:HE1	9	0.17
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	11	0.17
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD21	10	0.17
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD22	10	0.17
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE1	9	0.17
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE2	9	0.17
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE3	9	0.17
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE1	9	0.17
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE2	9	0.17
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE3	9	0.17
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE1	9	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE2	9	0.17
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE3	9	0.17
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG21	10	0.17
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG22	10	0.17
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG23	10	0.17
(1,8612)	1:451:A:ARG:HA	1:455:A:ILE:H	1	0.17
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB3	12	0.17
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB2	12	0.17
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB3	12	0.17
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB2	12	0.17
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE21	10	0.17
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE22	10	0.17
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE21	15	0.17
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE22	15	0.17
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE21	19	0.17
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE22	19	0.17
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG3	3	0.17
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG2	3	0.17
(1,8117)	1:416:A:LEU:HD21	1:480:A:PHE:HZ	14	0.17
(1,8117)	1:416:A:LEU:HD22	1:480:A:PHE:HZ	14	0.17
(1,8117)	1:416:A:LEU:HD23	1:480:A:PHE:HZ	14	0.17
(1,8014)	1:405:A:THR:HG21	1:442:A:LYS:HG3	17	0.17
(1,8014)	1:405:A:THR:HG21	1:442:A:LYS:HG2	17	0.17
(1,8014)	1:405:A:THR:HG22	1:442:A:LYS:HG3	17	0.17
(1,8014)	1:405:A:THR:HG22	1:442:A:LYS:HG2	17	0.17
(1,8014)	1:405:A:THR:HG23	1:442:A:LYS:HG3	17	0.17
(1,8014)	1:405:A:THR:HG23	1:442:A:LYS:HG2	17	0.17
(1,7675)	1:385:A:GLY:H	1:396:A:ILE:HD11	14	0.17
(1,7675)	1:385:A:GLY:H	1:396:A:ILE:HD12	14	0.17
(1,7675)	1:385:A:GLY:H	1:396:A:ILE:HD13	14	0.17
(1,7283)	1:361:A:GLU:H	1:371:A:TYR:HE1	14	0.17
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD11	3	0.17
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD12	3	0.17
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD13	3	0.17
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	1	0.17
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	1	0.17
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	1	0.17
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	1	0.17
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	1	0.17
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	1	0.17
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	1	0.17
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	1	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	1	0.17
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG21	11	0.17
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG22	11	0.17
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG23	11	0.17
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG21	11	0.17
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG22	11	0.17
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG23	11	0.17
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG21	11	0.17
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG22	11	0.17
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG23	11	0.17
(1,6725)	1:317:A:TYR:HB3	1:388:A:GLU:HB3	11	0.17
(1,6725)	1:317:A:TYR:HB3	1:388:A:GLU:HB2	11	0.17
(1,6725)	1:317:A:TYR:HB2	1:388:A:GLU:HB3	11	0.17
(1,6725)	1:317:A:TYR:HB2	1:388:A:GLU:HB2	11	0.17
(1,6259)	1:295:A:HIS:HE1	1:311:A:GLU:HA	3	0.17
(1,6259)	1:295:A:HIS:HE1	1:311:A:GLU:HA	13	0.17
(1,6248)	1:294:A:LYS:H	1:295:A:HIS:H	8	0.17
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD3	3	0.17
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD2	3	0.17
(1,5583)	1:253:A:ILE:HD11	1:322:A:ARG:HB3	10	0.17
(1,5583)	1:253:A:ILE:HD11	1:322:A:ARG:HB2	10	0.17
(1,5583)	1:253:A:ILE:HD12	1:322:A:ARG:HB3	10	0.17
(1,5583)	1:253:A:ILE:HD12	1:322:A:ARG:HB2	10	0.17
(1,5583)	1:253:A:ILE:HD13	1:322:A:ARG:HB3	10	0.17
(1,5583)	1:253:A:ILE:HD13	1:322:A:ARG:HB2	10	0.17
(1,5525)	1:250:A:TYR:HB3	1:263:A:TRP:HB3	18	0.17
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	18	0.17
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG3	15	0.17
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG2	15	0.17
(1,4611)	1:203:A:HIS:HB3	1:249:A:PHE:HA	14	0.17
(1,4291)	1:191:A:TRP:HE1	1:192:A:ARG:HA	12	0.17
(1,4206)	1:187:A:PHE:HA	1:192:A:ARG:HG3	6	0.17
(1,4206)	1:187:A:PHE:HA	1:192:A:ARG:HG2	6	0.17
(1,4042)	1:175:A:GLU:HG3	1:177:A:THR:H	7	0.17
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB3	11	0.17
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB2	11	0.17
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB3	11	0.17
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB2	11	0.17
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE21	12	0.17
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE22	12	0.17
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE21	12	0.17
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE22	12	0.17

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA3	18	0.17
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA2	18	0.17
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA3	18	0.17
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA2	18	0.17
(1,2501)	1:96:A:THR:HG21	1:116:A:ASP:HA	1	0.17
(1,2501)	1:96:A:THR:HG22	1:116:A:ASP:HA	1	0.17
(1,2501)	1:96:A:THR:HG23	1:116:A:ASP:HA	1	0.17
(1,2205)	1:86:A:THR:HB	1:87:A:ARG:H	10	0.17
(1,2109)	1:84:A:GLY:HA3	1:141:A:THR:HB	1	0.17
(1,2109)	1:84:A:GLY:HA2	1:141:A:THR:HB	1	0.17
(1,2109)	1:84:A:GLY:HA3	1:141:A:THR:HB	6	0.17
(1,2109)	1:84:A:GLY:HA2	1:141:A:THR:HB	6	0.17
(1,1676)	1:69:A:PHE:HA	1:77:A:THR:HB	1	0.17
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	12	0.17
(1,1351)	1:64:A:ARG:HB3	1:226:A:LYS:HE2	8	0.17
(1,1351)	1:64:A:ARG:HB2	1:226:A:LYS:HE2	8	0.17
(1,715)	1:38:A:ASN:HA	1:122:A:GLN:HG3	18	0.17
(1,715)	1:38:A:ASN:HA	1:122:A:GLN:HG2	18	0.17
(1,682)	1:37:A:SER:HA	1:252:A:HIS:HD2	18	0.17
(1,644)	1:36:A:ILE:HD11	1:200:A:TYR:HD1	1	0.17
(1,644)	1:36:A:ILE:HD12	1:200:A:TYR:HD1	1	0.17
(1,644)	1:36:A:ILE:HD13	1:200:A:TYR:HD1	1	0.17
(1,448)	1:32:A:LEU:HB3	1:200:A:TYR:HE1	9	0.17
(1,448)	1:32:A:LEU:HB2	1:200:A:TYR:HE1	9	0.17
(1,102)	1:19:A:LEU:HD21	1:256:A:ASP:HA	3	0.17
(1,102)	1:19:A:LEU:HD22	1:256:A:ASP:HA	3	0.17
(1,102)	1:19:A:LEU:HD23	1:256:A:ASP:HA	3	0.17
(1,1)	1:15:A:GLN:HG2	1:286:A:TRP:HB3	5	0.17
(1,24220)	1:455:B:ILE:HD11	2:103:C:VAL:HG11	6	0.16
(1,24220)	1:455:B:ILE:HD11	2:103:C:VAL:HG12	6	0.16
(1,24220)	1:455:B:ILE:HD11	2:103:C:VAL:HG13	6	0.16
(1,24220)	1:455:B:ILE:HD12	2:103:C:VAL:HG11	6	0.16
(1,24220)	1:455:B:ILE:HD12	2:103:C:VAL:HG12	6	0.16
(1,24220)	1:455:B:ILE:HD12	2:103:C:VAL:HG13	6	0.16
(1,24220)	1:455:B:ILE:HD13	2:103:C:VAL:HG11	6	0.16
(1,24220)	1:455:B:ILE:HD13	2:103:C:VAL:HG12	6	0.16
(1,24220)	1:455:B:ILE:HD13	2:103:C:VAL:HG13	6	0.16
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD11	6	0.16
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD12	6	0.16
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD13	6	0.16
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD11	6	0.16
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD12	6	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD13	6	0.16
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD11	6	0.16
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD12	6	0.16
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD13	6	0.16
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	17	0.16
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	17	0.16
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	17	0.16
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	17	0.16
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	17	0.16
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	17	0.16
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	17	0.16
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	17	0.16
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	17	0.16
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	8	0.16
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	8	0.16
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	8	0.16
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD11	7	0.16
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD12	7	0.16
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD13	7	0.16
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD11	7	0.16
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD12	7	0.16
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD13	7	0.16
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD11	7	0.16
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD12	7	0.16
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD13	7	0.16
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	6	0.16
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	6	0.16
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	6	0.16
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	6	0.16
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	6	0.16
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	6	0.16
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	6	0.16
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	6	0.16
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	6	0.16
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	5	0.16
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	5	0.16
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	5	0.16
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	5	0.16
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	5	0.16
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	5	0.16
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	5	0.16
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	5	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	5	0.16
(1,23901)	1:610:B:ASP:HA	1:612:B:ASN:HD21	11	0.16
(1,23901)	1:610:B:ASP:HA	1:612:B:ASN:HD22	11	0.16
(1,23444)	1:591:B:GLU:HG3	1:595:B:LEU:H	14	0.16
(1,23444)	1:591:B:GLU:HG2	1:595:B:LEU:H	14	0.16
(1,23437)	1:591:B:GLU:HG3	1:617:B:ARG:HA	14	0.16
(1,23437)	1:591:B:GLU:HG2	1:617:B:ARG:HA	14	0.16
(1,23323)	1:586:B:GLU:HA	1:589:B:PHE:HB3	20	0.16
(1,23323)	1:586:B:GLU:HA	1:589:B:PHE:HB2	20	0.16
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	5	0.16
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	5	0.16
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	18	0.16
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	18	0.16
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	10	0.16
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	10	0.16
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	10	0.16
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	10	0.16
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	10	0.16
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	10	0.16
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG21	4	0.16
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG22	4	0.16
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG23	4	0.16
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG21	4	0.16
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG22	4	0.16
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG23	4	0.16
(1,22514)	1:549:B:GLN:HE21	1:605:B:ARG:HD3	6	0.16
(1,22514)	1:549:B:GLN:HE21	1:605:B:ARG:HD2	6	0.16
(1,22514)	1:549:B:GLN:HE22	1:605:B:ARG:HD3	6	0.16
(1,22514)	1:549:B:GLN:HE22	1:605:B:ARG:HD2	6	0.16
(1,22495)	1:548:B:THR:HA	1:560:B:LYS:HA	1	0.16
(1,22495)	1:548:B:THR:HA	1:560:B:LYS:HA	4	0.16
(1,22495)	1:548:B:THR:HA	1:560:B:LYS:HA	14	0.16
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	20	0.16
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	20	0.16
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	20	0.16
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	20	0.16
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	19	0.16
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	19	0.16
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	19	0.16
(1,21660)	1:520:B:GLY:HA3	1:521:B:GLU:HG3	3	0.16
(1,21660)	1:520:B:GLY:HA3	1:521:B:GLU:HG2	3	0.16
(1,21660)	1:520:B:GLY:HA2	1:521:B:GLU:HG3	3	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21660)	1:520:B:GLY:HA2	1:521:B:GLU:HG2	3	0.16
(1,21583)	1:518:B:LEU:HD21	1:593:B:VAL:HB	10	0.16
(1,21583)	1:518:B:LEU:HD22	1:593:B:VAL:HB	10	0.16
(1,21583)	1:518:B:LEU:HD23	1:593:B:VAL:HB	10	0.16
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG3	8	0.16
(1,21520)	1:515:B:VAL:HB	1:516:B:LYS:HG2	8	0.16
(1,21438)	1:514:B:ARG:HE	1:589:B:PHE:HZ	18	0.16
(1,21285)	1:509:B:THR:HB	1:513:B:ASP:H	14	0.16
(1,21285)	1:509:B:THR:HB	1:513:B:ASP:H	16	0.16
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	13	0.16
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	13	0.16
(1,21064)	1:500:B:SER:HB3	1:532:B:LEU:HD11	19	0.16
(1,21042)	1:498:B:ASP:HA	1:499:B:GLU:HG3	11	0.16
(1,21042)	1:498:B:ASP:HA	1:499:B:GLU:HG2	11	0.16
(1,20926)	1:481:B:GLN:HE21	1:482:B:SER:H	17	0.16
(1,20926)	1:481:B:GLN:HE22	1:482:B:SER:H	17	0.16
(1,20863)	1:473:B:THR:HA	1:480:B:PHE:H	20	0.16
(1,20827)	1:469:B:MET:HE1	1:473:B:THR:H	12	0.16
(1,20827)	1:469:B:MET:HE2	1:473:B:THR:H	12	0.16
(1,20827)	1:469:B:MET:HE3	1:473:B:THR:H	12	0.16
(1,20803)	1:467:B:TRP:HZ2	1:471:B:TYR:HE1	1	0.16
(1,20803)	1:467:B:TRP:HZ2	1:471:B:TYR:HE2	1	0.16
(1,20783)	1:465:B:ASP:HA	1:469:B:MET:HG3	4	0.16
(1,20783)	1:465:B:ASP:HA	1:469:B:MET:HG2	4	0.16
(1,20774)	1:464:B:ILE:HA	1:467:B:TRP:HE3	6	0.16
(1,20634)	1:447:B:LEU:HA	1:457:B:VAL:HG11	13	0.16
(1,20634)	1:447:B:LEU:HA	1:457:B:VAL:HG12	13	0.16
(1,20634)	1:447:B:LEU:HA	1:457:B:VAL:HG13	13	0.16
(1,20446)	1:432:B:TYR:H	1:482:B:SER:HA	12	0.16
(1,20369)	1:428:B:GLU:HA	1:478:B:LYS:HA	16	0.16
(1,20337)	1:424:B:LYS:HG3	1:427:B:GLN:HE21	1	0.16
(1,20337)	1:424:B:LYS:HG3	1:427:B:GLN:HE22	1	0.16
(1,20337)	1:424:B:LYS:HG2	1:427:B:GLN:HE21	1	0.16
(1,20337)	1:424:B:LYS:HG2	1:427:B:GLN:HE22	1	0.16
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	7	0.16
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	7	0.16
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	7	0.16
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	17	0.16
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	17	0.16
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	17	0.16
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	18	0.16
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	18	0.16
(1,19993)	1:402:B:PHE:H	1:414:B:VAL:HB	1	0.16
(1,19993)	1:402:B:PHE:H	1:414:B:VAL:HB	3	0.16
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD11	17	0.16
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD12	17	0.16
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD13	17	0.16
(1,19650)	1:380:B:LEU:HD22	1:464:B:ILE:H	17	0.16
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD21	11	0.16
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD22	11	0.16
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD23	11	0.16
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD21	11	0.16
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD22	11	0.16
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD23	11	0.16
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD21	11	0.16
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD22	11	0.16
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD23	11	0.16
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD21	13	0.16
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD22	13	0.16
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD23	13	0.16
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD21	13	0.16
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD22	13	0.16
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD23	13	0.16
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD21	13	0.16
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD22	13	0.16
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD23	13	0.16
(1,18859)	1:319:B:ARG:HG3	1:320:B:PHE:H	18	0.16
(1,18859)	1:319:B:ARG:HG2	1:320:B:PHE:H	18	0.16
(1,18805)	1:317:B:TYR:HB3	1:385:B:GLY:H	1	0.16
(1,18805)	1:317:B:TYR:HB2	1:385:B:GLY:H	1	0.16
(1,18802)	1:317:B:TYR:HB3	1:388:B:GLU:H	20	0.16
(1,18802)	1:317:B:TYR:HB2	1:388:B:GLU:H	20	0.16
(1,18723)	1:313:B:PHE:HZ	1:345:B:THR:HA	19	0.16
(1,18031)	1:276:B:SER:HB3	1:325:B:ILE:HB	17	0.16
(1,18031)	1:276:B:SER:HB2	1:325:B:ILE:HB	17	0.16
(1,17912)	1:268:B:VAL:HB	1:274:B:TYR:H	5	0.16
(1,17906)	1:268:B:VAL:HG11	1:276:B:SER:H	6	0.16
(1,17906)	1:268:B:VAL:HG12	1:276:B:SER:H	6	0.16
(1,17906)	1:268:B:VAL:HG13	1:276:B:SER:H	6	0.16
(1,17709)	1:257:B:PHE:H	1:258:B:ASN:H	5	0.16
(1,17604)	1:250:B:TYR:HB3	1:263:B:TRP:HE3	20	0.16
(1,17409)	1:237:B:ASN:HD21	1:239:B:SER:H	18	0.16
(1,17409)	1:237:B:ASN:HD22	1:239:B:SER:H	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17035)	1:213:B:ARG:HD3	1:222:B:ILE:HA	6	0.16
(1,17035)	1:213:B:ARG:HD2	1:222:B:ILE:HA	6	0.16
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	3	0.16
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	3	0.16
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	15	0.16
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	15	0.16
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	19	0.16
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	19	0.16
(1,16698)	1:203:B:HIS:HB2	1:248:B:GLU:H	7	0.16
(1,16696)	1:203:B:HIS:HD2	1:249:B:PHE:HD1	10	0.16
(1,16696)	1:203:B:HIS:HD2	1:249:B:PHE:HD2	10	0.16
(1,16689)	1:203:B:HIS:HB3	1:249:B:PHE:HA	18	0.16
(1,16407)	1:193:B:VAL:HA	1:196:B:ILE:HB	13	0.16
(1,16260)	1:186:B:GLU:HA	1:191:B:TRP:HZ2	18	0.16
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	2	0.16
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	2	0.16
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	13	0.16
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	13	0.16
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	19	0.16
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	19	0.16
(1,15744)	1:146:B:GLU:HB3	1:151:B:GLY:H	3	0.16
(1,15744)	1:146:B:GLU:HB2	1:151:B:GLY:H	3	0.16
(1,15619)	1:141:B:THR:HB	1:174:B:THR:HB	4	0.16
(1,14942)	1:115:B:LYS:HZ1	1:293:B:HIS:HD2	5	0.16
(1,14892)	1:110:B:GLY:H	1:112:B:ASP:HB3	16	0.16
(1,14892)	1:110:B:GLY:H	1:112:B:ASP:HB2	16	0.16
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB1	17	0.16
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB2	17	0.16
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB3	17	0.16
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB1	17	0.16
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB2	17	0.16
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB3	17	0.16
(1,14779)	1:105:B:PHE:HD2	1:110:B:GLY:H	18	0.16
(1,14772)	1:105:B:PHE:HA	1:117:B:SER:H	18	0.16
(1,14737)	1:103:B:LYS:HG3	1:105:B:PHE:H	19	0.16
(1,14737)	1:103:B:LYS:HG2	1:105:B:PHE:H	19	0.16
(1,14707)	1:102:B:THR:HB	1:117:B:SER:HA	15	0.16
(1,14656)	1:98:B:ALA:H	1:99:B:LYS:H	10	0.16
(1,14561)	1:95:B:GLY:HA3	1:99:B:LYS:H	3	0.16
(1,14561)	1:95:B:GLY:HA2	1:99:B:LYS:H	3	0.16
(1,14347)	1:89:B:GLU:HA	1:92:B:ASP:H	5	0.16
(1,13913)	1:75:B:THR:HB	1:178:B:LEU:H	17	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	11	0.16
(1,13225)	1:51:B:LEU:HD11	1:332:B:LEU:HB3	9	0.16
(1,13225)	1:51:B:LEU:HD11	1:332:B:LEU:HB2	9	0.16
(1,13225)	1:51:B:LEU:HD12	1:332:B:LEU:HB3	9	0.16
(1,13225)	1:51:B:LEU:HD12	1:332:B:LEU:HB2	9	0.16
(1,13225)	1:51:B:LEU:HD13	1:332:B:LEU:HB3	9	0.16
(1,13225)	1:51:B:LEU:HD13	1:332:B:LEU:HB2	9	0.16
(1,12962)	1:44:B:ASP:HB3	1:305:B:PHE:HA	11	0.16
(1,12962)	1:44:B:ASP:HB2	1:305:B:PHE:HA	11	0.16
(1,12586)	1:33:B:ARG:HH21	1:257:B:PHE:HD1	10	0.16
(1,12586)	1:33:B:ARG:HH21	1:257:B:PHE:HD2	10	0.16
(1,12586)	1:33:B:ARG:HH22	1:257:B:PHE:HD1	10	0.16
(1,12586)	1:33:B:ARG:HH22	1:257:B:PHE:HD2	10	0.16
(1,12550)	1:32:B:LEU:HD11	1:187:B:PHE:HB2	9	0.16
(1,12421)	1:29:B:GLU:HA	1:187:B:PHE:HZ	14	0.16
(1,12330)	1:25:B:TYR:HB3	1:257:B:PHE:HD2	5	0.16
(1,12330)	1:25:B:TYR:HB2	1:257:B:PHE:HD2	5	0.16
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	5	0.16
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	5	0.16
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	5	0.16
(1,12208)	1:20:B:MET:HE1	1:128:B:TYR:HB3	10	0.16
(1,12208)	1:20:B:MET:HE1	1:128:B:TYR:HB2	10	0.16
(1,12208)	1:20:B:MET:HE2	1:128:B:TYR:HB3	10	0.16
(1,12208)	1:20:B:MET:HE2	1:128:B:TYR:HB2	10	0.16
(1,12208)	1:20:B:MET:HE3	1:128:B:TYR:HB3	10	0.16
(1,12208)	1:20:B:MET:HE3	1:128:B:TYR:HB2	10	0.16
(1,12173)	1:19:B:LEU:HA	1:257:B:PHE:HZ	1	0.16
(1,11757)	1:607:A:THR:HA	1:611:A:PRO:HG3	4	0.16
(1,11757)	1:607:A:THR:HA	1:611:A:PRO:HG2	4	0.16
(1,11285)	1:588:A:LYS:HD3	1:592:A:TRP:HE1	20	0.16
(1,11285)	1:588:A:LYS:HD2	1:592:A:TRP:HE1	20	0.16
(1,11087)	1:577:A:VAL:HB	1:578:A:LYS:HG3	13	0.16
(1,11087)	1:577:A:VAL:HB	1:578:A:LYS:HG2	13	0.16
(1,11001)	1:574:A:HIS:HE1	1:575:A:VAL:HB	7	0.16
(1,11001)	1:574:A:HIS:HE1	1:575:A:VAL:HB	14	0.16
(1,11001)	1:574:A:HIS:HE1	1:575:A:VAL:HB	16	0.16
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	2	0.16
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	2	0.16
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	2	0.16
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	2	0.16
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	15	0.16
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	15	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	15	0.16
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	15	0.16
(1,10660)	1:558:A:GLY:H	1:559:A:GLN:H	1	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG21	8	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG22	8	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG23	8	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG21	8	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG22	8	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG23	8	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG21	8	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG22	8	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG23	8	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG21	10	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG22	10	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG23	10	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG21	10	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG22	10	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG23	10	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG21	10	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG22	10	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG23	10	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG21	18	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG22	18	0.16
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG23	18	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG21	18	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG22	18	0.16
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG23	18	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG21	18	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG22	18	0.16
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG23	18	0.16
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	18	0.16
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	18	0.16
(1,10553)	1:554:A:PHE:HD1	1:564:A:VAL:HG21	1	0.16
(1,10553)	1:554:A:PHE:HD1	1:564:A:VAL:HG22	1	0.16
(1,10553)	1:554:A:PHE:HD1	1:564:A:VAL:HG23	1	0.16
(1,10553)	1:554:A:PHE:HD2	1:564:A:VAL:HG21	1	0.16
(1,10553)	1:554:A:PHE:HD2	1:564:A:VAL:HG22	1	0.16
(1,10553)	1:554:A:PHE:HD2	1:564:A:VAL:HG23	1	0.16
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG21	10	0.16
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG22	10	0.16
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG23	10	0.16
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG21	7	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG22	7	0.16
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG23	7	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	4	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	4	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	6	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	6	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	10	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	10	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	11	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	11	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	16	0.16
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	16	0.16
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	3	0.16
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	3	0.16
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	3	0.16
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	3	0.16
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	7	0.16
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	7	0.16
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	7	0.16
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	7	0.16
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	10	0.16
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	10	0.16
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	10	0.16
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	3	0.16
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	3	0.16
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	3	0.16
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	3	0.16
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	3	0.16
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	3	0.16
(1,10129)	1:539:A:VAL:H	1:603:A:ALA:HB3	7	0.16
(1,9976)	1:535:A:THR:HA	1:574:A:HIS:HD2	14	0.16
(1,9976)	1:535:A:THR:HA	1:574:A:HIS:HD2	17	0.16
(1,9261)	1:511:A:PHE:HZ	1:581:A:ALA:HA	15	0.16
(1,9098)	1:505:A:GLU:HG3	1:530:A:HIS:HE1	7	0.16
(1,9098)	1:505:A:GLU:HG2	1:530:A:HIS:HE1	7	0.16
(1,8982)	1:500:A:SER:HB3	1:572:A:PRO:HD3	2	0.16
(1,8982)	1:500:A:SER:HB2	1:572:A:PRO:HD3	2	0.16
(1,8970)	1:499:A:GLU:H	1:500:A:SER:H	4	0.16
(1,8921)	1:497:A:VAL:H	1:530:A:HIS:HB3	6	0.16
(1,8610)	1:451:A:ARG:HA	1:456:A:GLU:HA	1	0.16
(1,8607)	1:451:A:ARG:H	1:457:A:VAL:HG21	8	0.16
(1,8607)	1:451:A:ARG:H	1:457:A:VAL:HG22	8	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8607)	1:451:A:ARG:H	1:457:A:VAL:HG23	8	0.16
(1,8587)	1:449:A:LEU:HA	1:452:A:LYS:HB3	15	0.16
(1,8587)	1:449:A:LEU:HA	1:452:A:LYS:HB2	15	0.16
(1,8259)	1:424:A:LYS:HG3	1:427:A:GLN:HE21	9	0.16
(1,8259)	1:424:A:LYS:HG3	1:427:A:GLN:HE22	9	0.16
(1,8259)	1:424:A:LYS:HG2	1:427:A:GLN:HE21	9	0.16
(1,8259)	1:424:A:LYS:HG2	1:427:A:GLN:HE22	9	0.16
(1,8224)	1:422:A:ARG:HB3	1:427:A:GLN:HE21	3	0.16
(1,8224)	1:422:A:ARG:HB3	1:427:A:GLN:HE22	3	0.16
(1,8224)	1:422:A:ARG:HB2	1:427:A:GLN:HE21	3	0.16
(1,8224)	1:422:A:ARG:HB2	1:427:A:GLN:HE22	3	0.16
(1,7854)	1:398:A:LYS:HA	1:416:A:LEU:HD11	12	0.16
(1,7854)	1:398:A:LYS:HA	1:416:A:LEU:HD12	12	0.16
(1,7854)	1:398:A:LYS:HA	1:416:A:LEU:HD13	12	0.16
(1,7204)	1:357:A:LEU:HB3	1:395:A:ALA:HB1	19	0.16
(1,7204)	1:357:A:LEU:HB3	1:395:A:ALA:HB2	19	0.16
(1,7204)	1:357:A:LEU:HB3	1:395:A:ALA:HB3	19	0.16
(1,7204)	1:357:A:LEU:HB2	1:395:A:ALA:HB1	19	0.16
(1,7204)	1:357:A:LEU:HB2	1:395:A:ALA:HB2	19	0.16
(1,7204)	1:357:A:LEU:HB2	1:395:A:ALA:HB3	19	0.16
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD11	17	0.16
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD12	17	0.16
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD13	17	0.16
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	4	0.16
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	4	0.16
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	4	0.16
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	4	0.16
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	4	0.16
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	4	0.16
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	4	0.16
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	4	0.16
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	4	0.16
(1,6703)	1:315:A:PRO:HG3	1:319:A:ARG:H	11	0.16
(1,6703)	1:315:A:PRO:HG2	1:319:A:ARG:H	11	0.16
(1,6224)	1:290:A:ASN:HB3	1:292:A:ASP:H	13	0.16
(1,6224)	1:290:A:ASN:HB2	1:292:A:ASP:H	13	0.16
(1,6210)	1:289:A:TRP:HH2	1:381:A:VAL:HA	13	0.16
(1,6122)	1:283:A:GLN:HG3	1:284:A:ALA:H	19	0.16
(1,6122)	1:283:A:GLN:HG2	1:284:A:ALA:H	19	0.16
(1,5263)	1:234:A:TRP:HE1	1:303:A:ARG:HD3	7	0.16
(1,5263)	1:234:A:TRP:HE1	1:303:A:ARG:HD2	7	0.16
(1,4790)	1:208:A:VAL:HB	1:227:A:ILE:HB	9	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	16	0.16
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	16	0.16
(1,4664)	1:204:A:ILE:H	1:230:A:ALA:HA	10	0.16
(1,4620)	1:203:A:HIS:HB2	1:248:A:GLU:H	20	0.16
(1,4498)	1:198:A:SER:HA	1:201:A:SER:H	18	0.16
(1,4291)	1:191:A:TRP:HE1	1:192:A:ARG:HA	7	0.16
(1,2831)	1:112:A:ASP:HA	1:115:A:LYS:H	5	0.16
(1,2699)	1:105:A:PHE:HB3	1:112:A:ASP:H	12	0.16
(1,2699)	1:105:A:PHE:HB2	1:112:A:ASP:H	12	0.16
(1,2680)	1:104:A:SER:HA	1:105:A:PHE:HD1	9	0.16
(1,2680)	1:104:A:SER:HA	1:105:A:PHE:HD2	9	0.16
(1,2594)	1:99:A:LYS:HE3	1:101:A:GLY:H	8	0.16
(1,2594)	1:99:A:LYS:HE2	1:101:A:GLY:H	8	0.16
(1,2103)	1:84:A:GLY:HA3	1:143:A:ALA:HA	15	0.16
(1,2103)	1:84:A:GLY:HA2	1:143:A:ALA:HA	15	0.16
(1,1835)	1:75:A:THR:HB	1:178:A:LEU:H	11	0.16
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	5	0.16
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	14	0.16
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	20	0.16
(1,1420)	1:65:A:VAL:HG13	1:206:A:LEU:HA	16	0.16
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	20	0.16
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	20	0.16
(1,1324)	1:63:A:LEU:HB2	1:207:A:PRO:HG3	3	0.16
(1,646)	1:36:A:ILE:HD11	1:200:A:TYR:HB3	1	0.16
(1,646)	1:36:A:ILE:HD11	1:200:A:TYR:HB2	1	0.16
(1,646)	1:36:A:ILE:HD12	1:200:A:TYR:HB3	1	0.16
(1,646)	1:36:A:ILE:HD12	1:200:A:TYR:HB2	1	0.16
(1,646)	1:36:A:ILE:HD13	1:200:A:TYR:HB3	1	0.16
(1,646)	1:36:A:ILE:HD13	1:200:A:TYR:HB2	1	0.16
(1,508)	1:33:A:ARG:HH21	1:257:A:PHE:HD1	19	0.16
(1,508)	1:33:A:ARG:HH21	1:257:A:PHE:HD2	19	0.16
(1,508)	1:33:A:ARG:HH22	1:257:A:PHE:HD1	19	0.16
(1,508)	1:33:A:ARG:HH22	1:257:A:PHE:HD2	19	0.16
(1,319)	1:28:A:LYS:HB3	1:29:A:GLU:H	3	0.16
(1,319)	1:28:A:LYS:HB2	1:29:A:GLU:H	3	0.16
(1,230)	1:24:A:LEU:HA	1:128:A:TYR:HE1	9	0.16
(1,230)	1:24:A:LEU:HA	1:128:A:TYR:HE2	9	0.16
(1,206)	1:23:A:SER:HA	1:129:A:SER:HA	18	0.16
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	1	0.16
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	1	0.16
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	1	0.16
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	18	0.16

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	18	0.16
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	18	0.16
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG21	20	0.15
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG22	20	0.15
(1,24221)	1:455:B:ILE:HD11	2:103:C:VAL:HG23	20	0.15
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG21	20	0.15
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG22	20	0.15
(1,24221)	1:455:B:ILE:HD12	2:103:C:VAL:HG23	20	0.15
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG21	20	0.15
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG22	20	0.15
(1,24221)	1:455:B:ILE:HD13	2:103:C:VAL:HG23	20	0.15
(1,24220)	1:455:B:ILE:HD11	2:103:C:VAL:HG11	14	0.15
(1,24220)	1:455:B:ILE:HD11	2:103:C:VAL:HG12	14	0.15
(1,24220)	1:455:B:ILE:HD11	2:103:C:VAL:HG13	14	0.15
(1,24220)	1:455:B:ILE:HD12	2:103:C:VAL:HG11	14	0.15
(1,24220)	1:455:B:ILE:HD12	2:103:C:VAL:HG12	14	0.15
(1,24220)	1:455:B:ILE:HD12	2:103:C:VAL:HG13	14	0.15
(1,24220)	1:455:B:ILE:HD13	2:103:C:VAL:HG11	14	0.15
(1,24220)	1:455:B:ILE:HD13	2:103:C:VAL:HG12	14	0.15
(1,24220)	1:455:B:ILE:HD13	2:103:C:VAL:HG13	14	0.15
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD11	5	0.15
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD12	5	0.15
(1,24217)	1:423:B:MET:HE1	2:100:C:LEU:HD13	5	0.15
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD11	5	0.15
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD12	5	0.15
(1,24217)	1:423:B:MET:HE2	2:100:C:LEU:HD13	5	0.15
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD11	5	0.15
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD12	5	0.15
(1,24217)	1:423:B:MET:HE3	2:100:C:LEU:HD13	5	0.15
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD11	3	0.15
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD12	3	0.15
(1,24215)	1:460:B:LEU:HD21	2:95:C:LEU:HD13	3	0.15
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD11	3	0.15
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD12	3	0.15
(1,24215)	1:460:B:LEU:HD22	2:95:C:LEU:HD13	3	0.15
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD11	3	0.15
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD12	3	0.15
(1,24215)	1:460:B:LEU:HD23	2:95:C:LEU:HD13	3	0.15
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	16	0.15
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	16	0.15
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	16	0.15
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	16	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	16	0.15
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	16	0.15
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	16	0.15
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	16	0.15
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	16	0.15
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	10	0.15
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	10	0.15
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	10	0.15
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD21	8	0.15
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD22	8	0.15
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD23	8	0.15
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD21	8	0.15
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD22	8	0.15
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD23	8	0.15
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD21	8	0.15
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD22	8	0.15
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD23	8	0.15
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD21	18	0.15
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD22	18	0.15
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD23	18	0.15
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD21	18	0.15
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD22	18	0.15
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD23	18	0.15
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD21	18	0.15
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD22	18	0.15
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD23	18	0.15
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD11	3	0.15
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD12	3	0.15
(1,24198)	1:469:A:MET:HE1	2:17:C:LEU:HD13	3	0.15
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD11	3	0.15
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD12	3	0.15
(1,24198)	1:469:A:MET:HE2	2:17:C:LEU:HD13	3	0.15
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD11	3	0.15
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD12	3	0.15
(1,24198)	1:469:A:MET:HE3	2:17:C:LEU:HD13	3	0.15
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	2	0.15
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	2	0.15
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	2	0.15
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	2	0.15
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	2	0.15
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	2	0.15
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	2	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	2	0.15
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	2	0.15
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	15	0.15
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	15	0.15
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	15	0.15
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	15	0.15
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	15	0.15
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	15	0.15
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	15	0.15
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	15	0.15
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	15	0.15
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	19	0.15
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	19	0.15
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	19	0.15
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	4	0.15
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	4	0.15
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	4	0.15
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	4	0.15
(1,24182)	1:459:A:LEU:HD11	2:10:C:ILE:HD11	13	0.15
(1,24182)	1:459:A:LEU:HD11	2:10:C:ILE:HD12	13	0.15
(1,24182)	1:459:A:LEU:HD11	2:10:C:ILE:HD13	13	0.15
(1,24182)	1:459:A:LEU:HD12	2:10:C:ILE:HD11	13	0.15
(1,24182)	1:459:A:LEU:HD12	2:10:C:ILE:HD12	13	0.15
(1,24182)	1:459:A:LEU:HD12	2:10:C:ILE:HD13	13	0.15
(1,24182)	1:459:A:LEU:HD13	2:10:C:ILE:HD11	13	0.15
(1,24182)	1:459:A:LEU:HD13	2:10:C:ILE:HD12	13	0.15
(1,24182)	1:459:A:LEU:HD13	2:10:C:ILE:HD13	13	0.15
(1,24182)	1:459:A:LEU:HD11	2:10:C:ILE:HD11	14	0.15
(1,24182)	1:459:A:LEU:HD11	2:10:C:ILE:HD12	14	0.15
(1,24182)	1:459:A:LEU:HD11	2:10:C:ILE:HD13	14	0.15
(1,24182)	1:459:A:LEU:HD12	2:10:C:ILE:HD11	14	0.15
(1,24182)	1:459:A:LEU:HD12	2:10:C:ILE:HD12	14	0.15
(1,24182)	1:459:A:LEU:HD12	2:10:C:ILE:HD13	14	0.15
(1,24182)	1:459:A:LEU:HD13	2:10:C:ILE:HD11	14	0.15
(1,24182)	1:459:A:LEU:HD13	2:10:C:ILE:HD12	14	0.15
(1,24182)	1:459:A:LEU:HD13	2:10:C:ILE:HD13	14	0.15
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	4	0.15
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	4	0.15
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	4	0.15
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	4	0.15
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	4	0.15
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	4	0.15
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	4	0.15
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	4	0.15
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	2	0.15
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	2	0.15
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	2	0.15
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	2	0.15
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	2	0.15
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	2	0.15
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE1	4	0.15
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE2	4	0.15
(1,24172)	1:402:A:PHE:HD1	2:18:C:MET:HE3	4	0.15
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE1	4	0.15
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE2	4	0.15
(1,24172)	1:402:A:PHE:HD2	2:18:C:MET:HE3	4	0.15
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	18	0.15
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	18	0.15
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	18	0.15
(1,23901)	1:610:B:ASP:HA	1:612:B:ASN:HD21	8	0.15
(1,23901)	1:610:B:ASP:HA	1:612:B:ASN:HD22	8	0.15
(1,23731)	1:601:B:LEU:HA	1:605:B:ARG:HG3	14	0.15
(1,23731)	1:601:B:LEU:HA	1:605:B:ARG:HG2	14	0.15
(1,23559)	1:595:B:LEU:HA	1:617:B:ARG:HD3	7	0.15
(1,23559)	1:595:B:LEU:HA	1:617:B:ARG:HD2	7	0.15
(1,23011)	1:571:B:ASN:H	1:596:B:LEU:HD11	16	0.15
(1,23011)	1:571:B:ASN:H	1:596:B:LEU:HD12	16	0.15
(1,23011)	1:571:B:ASN:H	1:596:B:LEU:HD13	16	0.15
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG11	1	0.15
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG12	1	0.15
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG13	1	0.15
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	1	0.15
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	1	0.15
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	7	0.15
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	7	0.15
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	10	0.15
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	10	0.15
(1,22720)	1:557:B:ALA:HB1	1:561:B:VAL:HG21	11	0.15
(1,22720)	1:557:B:ALA:HB1	1:561:B:VAL:HG22	11	0.15
(1,22720)	1:557:B:ALA:HB1	1:561:B:VAL:HG23	11	0.15
(1,22720)	1:557:B:ALA:HB2	1:561:B:VAL:HG21	11	0.15
(1,22720)	1:557:B:ALA:HB2	1:561:B:VAL:HG22	11	0.15
(1,22720)	1:557:B:ALA:HB2	1:561:B:VAL:HG23	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22720)	1:557:B:ALA:HB3	1:561:B:VAL:HG21	11	0.15
(1,22720)	1:557:B:ALA:HB3	1:561:B:VAL:HG22	11	0.15
(1,22720)	1:557:B:ALA:HB3	1:561:B:VAL:HG23	11	0.15
(1,22665)	1:555:B:ALA:H	1:558:B:GLY:H	11	0.15
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	16	0.15
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	16	0.15
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	16	0.15
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	16	0.15
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	16	0.15
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	16	0.15
(1,22629)	1:554:B:PHE:HA	1:564:B:VAL:HG21	16	0.15
(1,22629)	1:554:B:PHE:HA	1:564:B:VAL:HG22	16	0.15
(1,22629)	1:554:B:PHE:HA	1:564:B:VAL:HG23	16	0.15
(1,22589)	1:552:B:LYS:HD3	1:554:B:PHE:H	10	0.15
(1,22589)	1:552:B:LYS:HD2	1:554:B:PHE:H	10	0.15
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	6	0.15
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	6	0.15
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	6	0.15
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	6	0.15
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	6	0.15
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	6	0.15
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE1	11	0.15
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE2	11	0.15
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE1	11	0.15
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE2	11	0.15
(1,22521)	1:549:B:GLN:HE21	1:554:B:PHE:HZ	20	0.15
(1,22521)	1:549:B:GLN:HE22	1:554:B:PHE:HZ	20	0.15
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG21	13	0.15
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG22	13	0.15
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG23	13	0.15
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG21	13	0.15
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG22	13	0.15
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG23	13	0.15
(1,22495)	1:548:B:THR:HA	1:560:B:LYS:HA	12	0.15
(1,22495)	1:548:B:THR:HA	1:560:B:LYS:HA	18	0.15
(1,22471)	1:547:B:SER:HA	1:550:B:MET:HE1	6	0.15
(1,22471)	1:547:B:SER:HA	1:550:B:MET:HE2	6	0.15
(1,22471)	1:547:B:SER:HA	1:550:B:MET:HE3	6	0.15
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	4	0.15
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	4	0.15
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB3	11	0.15
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB2	11	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	15	0.15
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	15	0.15
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	15	0.15
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	15	0.15
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	19	0.15
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	19	0.15
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	19	0.15
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	19	0.15
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	19	0.15
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	19	0.15
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	19	0.15
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	19	0.15
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD11	5	0.15
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD12	5	0.15
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD13	5	0.15
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD11	5	0.15
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD12	5	0.15
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD13	5	0.15
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD11	5	0.15
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD12	5	0.15
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD13	5	0.15
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD3	12	0.15
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD2	12	0.15
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD3	12	0.15
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD2	12	0.15
(1,22336)	1:542:B:ASP:HB3	1:553:B:LEU:HD21	8	0.15
(1,22336)	1:542:B:ASP:HB3	1:553:B:LEU:HD22	8	0.15
(1,22336)	1:542:B:ASP:HB3	1:553:B:LEU:HD23	8	0.15
(1,22336)	1:542:B:ASP:HB2	1:553:B:LEU:HD21	8	0.15
(1,22336)	1:542:B:ASP:HB2	1:553:B:LEU:HD22	8	0.15
(1,22336)	1:542:B:ASP:HB2	1:553:B:LEU:HD23	8	0.15
(1,22326)	1:541:B:THR:HG21	1:542:B:ASP:H	6	0.15
(1,22326)	1:541:B:THR:HG22	1:542:B:ASP:H	6	0.15
(1,22326)	1:541:B:THR:HG23	1:542:B:ASP:H	6	0.15
(1,22304)	1:541:B:THR:HG21	1:566:B:TYR:HA	18	0.15
(1,22304)	1:541:B:THR:HG22	1:566:B:TYR:HA	18	0.15
(1,22304)	1:541:B:THR:HG23	1:566:B:TYR:HA	18	0.15
(1,22183)	1:538:B:ILE:H	1:568:B:PHE:HZ	9	0.15
(1,22168)	1:538:B:ILE:H	1:600:B:ALA:HA	18	0.15
(1,22153)	1:537:B:ALA:HB1	1:568:B:PHE:HA	1	0.15
(1,22041)	1:534:B:ASP:HA	1:574:B:HIS:HA	18	0.15
(1,21982)	1:530:B:HIS:H	1:531:B:ARG:HD3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21982)	1:530:B:HIS:H	1:531:B:ARG:HD2	4	0.15
(1,21660)	1:520:B:GLY:HA3	1:521:B:GLU:HG3	8	0.15
(1,21660)	1:520:B:GLY:HA3	1:521:B:GLU:HG2	8	0.15
(1,21660)	1:520:B:GLY:HA2	1:521:B:GLU:HG3	8	0.15
(1,21660)	1:520:B:GLY:HA2	1:521:B:GLU:HG2	8	0.15
(1,21176)	1:505:B:GLU:HG3	1:530:B:HIS:HE1	13	0.15
(1,21176)	1:505:B:GLU:HG2	1:530:B:HIS:HE1	13	0.15
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	12	0.15
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	12	0.15
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	14	0.15
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	14	0.15
(1,20978)	1:497:B:VAL:HB	1:532:B:LEU:HA	15	0.15
(1,20875)	1:474:B:GLU:HA	1:479:B:PRO:HA	13	0.15
(1,20827)	1:469:B:MET:HE1	1:473:B:THR:H	20	0.15
(1,20827)	1:469:B:MET:HE2	1:473:B:THR:H	20	0.15
(1,20827)	1:469:B:MET:HE3	1:473:B:THR:H	20	0.15
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD21	6	0.15
(1,20807)	1:467:B:TRP:HA	1:470:B:ASN:HD22	6	0.15
(1,20803)	1:467:B:TRP:HZ2	1:471:B:TYR:HE1	15	0.15
(1,20803)	1:467:B:TRP:HZ2	1:471:B:TYR:HE2	15	0.15
(1,20405)	1:430:B:ILE:HD11	1:479:B:PRO:HA	14	0.15
(1,20405)	1:430:B:ILE:HD12	1:479:B:PRO:HA	14	0.15
(1,20405)	1:430:B:ILE:HD13	1:479:B:PRO:HA	14	0.15
(1,20309)	1:423:B:MET:HA	1:456:B:GLU:H	11	0.15
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG3	5	0.15
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG2	5	0.15
(1,20091)	1:405:B:THR:HG21	1:442:B:LYS:HA	1	0.15
(1,20091)	1:405:B:THR:HG22	1:442:B:LYS:HA	1	0.15
(1,20091)	1:405:B:THR:HG23	1:442:B:LYS:HA	1	0.15
(1,19967)	1:401:B:ARG:HD3	1:414:B:VAL:HA	17	0.15
(1,19967)	1:401:B:ARG:HD2	1:414:B:VAL:HA	17	0.15
(1,19927)	1:398:B:LYS:HE3	1:417:B:GLU:HG3	18	0.15
(1,19927)	1:398:B:LYS:HE3	1:417:B:GLU:HG2	18	0.15
(1,19927)	1:398:B:LYS:HE2	1:417:B:GLU:HG3	18	0.15
(1,19927)	1:398:B:LYS:HE2	1:417:B:GLU:HG2	18	0.15
(1,19871)	1:394:B:GLU:HG3	1:398:B:LYS:HD3	11	0.15
(1,19871)	1:394:B:GLU:HG3	1:398:B:LYS:HD2	11	0.15
(1,19871)	1:394:B:GLU:HG2	1:398:B:LYS:HD3	11	0.15
(1,19871)	1:394:B:GLU:HG2	1:398:B:LYS:HD2	11	0.15
(1,19801)	1:387:B:ALA:H	1:467:B:TRP:HH2	4	0.15
(1,19768)	1:386:B:PRO:HB3	1:471:B:TYR:HB3	18	0.15
(1,19768)	1:386:B:PRO:HB3	1:471:B:TYR:HB2	18	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19768)	1:386:B:PRO:HB2	1:471:B:TYR:HB3	18	0.15
(1,19768)	1:386:B:PRO:HB2	1:471:B:TYR:HB2	18	0.15
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD21	8	0.15
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD22	8	0.15
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD23	8	0.15
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD21	8	0.15
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD22	8	0.15
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD23	8	0.15
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD21	8	0.15
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD22	8	0.15
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD23	8	0.15
(1,18793)	1:316:B:ASN:H	1:349:B:ARG:HD3	7	0.15
(1,18793)	1:316:B:ASN:H	1:349:B:ARG:HD2	7	0.15
(1,18757)	1:314:B:MET:HB3	1:319:B:ARG:H	3	0.15
(1,18757)	1:314:B:MET:HB2	1:319:B:ARG:H	3	0.15
(1,18429)	1:298:B:LYS:H	1:322:B:ARG:HD3	18	0.15
(1,18429)	1:298:B:LYS:H	1:322:B:ARG:HD2	18	0.15
(1,18386)	1:297:B:LEU:HA	1:322:B:ARG:HD3	8	0.15
(1,18386)	1:297:B:LEU:HA	1:322:B:ARG:HD2	8	0.15
(1,18348)	1:296:B:GLY:H	1:319:B:ARG:HB3	11	0.15
(1,18348)	1:296:B:GLY:H	1:319:B:ARG:HB2	11	0.15
(1,18334)	1:295:B:HIS:HE1	1:316:B:ASN:HA	17	0.15
(1,18244)	1:286:B:TRP:HZ3	1:289:B:TRP:H	10	0.15
(1,18244)	1:286:B:TRP:HZ3	1:289:B:TRP:H	11	0.15
(1,18244)	1:286:B:TRP:HZ3	1:289:B:TRP:H	20	0.15
(1,17919)	1:268:B:VAL:HB	1:272:B:GLN:HB3	4	0.15
(1,17919)	1:268:B:VAL:HB	1:272:B:GLN:HB2	4	0.15
(1,17906)	1:268:B:VAL:HG11	1:276:B:SER:H	8	0.15
(1,17906)	1:268:B:VAL:HG12	1:276:B:SER:H	8	0.15
(1,17906)	1:268:B:VAL:HG13	1:276:B:SER:H	8	0.15
(1,17603)	1:250:B:TYR:HB3	1:263:B:TRP:HB3	16	0.15
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD11	8	0.15
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD12	8	0.15
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD13	8	0.15
(1,17371)	1:234:B:TRP:HE1	1:235:B:THR:HB	2	0.15
(1,17278)	1:231:B:GLN:HG3	1:235:B:THR:HG21	18	0.15
(1,17278)	1:231:B:GLN:HG3	1:235:B:THR:HG22	18	0.15
(1,17278)	1:231:B:GLN:HG3	1:235:B:THR:HG23	18	0.15
(1,17278)	1:231:B:GLN:HG2	1:235:B:THR:HG21	18	0.15
(1,17278)	1:231:B:GLN:HG2	1:235:B:THR:HG22	18	0.15
(1,17278)	1:231:B:GLN:HG2	1:235:B:THR:HG23	18	0.15
(1,17039)	1:213:B:ARG:HG3	1:221:B:VAL:H	10	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17039)	1:213:B:ARG:HG2	1:221:B:VAL:H	10	0.15
(1,17035)	1:213:B:ARG:HD3	1:222:B:ILE:HA	5	0.15
(1,17035)	1:213:B:ARG:HD2	1:222:B:ILE:HA	5	0.15
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG3	18	0.15
(1,16704)	1:203:B:HIS:HE1	1:248:B:GLU:HG2	18	0.15
(1,16260)	1:186:B:GLU:HA	1:191:B:TRP:HZ2	9	0.15
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	3	0.15
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	3	0.15
(1,15402)	1:136:B:LYS:HE3	1:177:B:THR:HG21	9	0.15
(1,15402)	1:136:B:LYS:HE3	1:177:B:THR:HG22	9	0.15
(1,15402)	1:136:B:LYS:HE3	1:177:B:THR:HG23	9	0.15
(1,15402)	1:136:B:LYS:HE2	1:177:B:THR:HG21	9	0.15
(1,15402)	1:136:B:LYS:HE2	1:177:B:THR:HG22	9	0.15
(1,15402)	1:136:B:LYS:HE2	1:177:B:THR:HG23	9	0.15
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	2	0.15
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	3	0.15
(1,14967)	1:116:B:ASP:HA	1:119:B:LEU:HB3	12	0.15
(1,14967)	1:116:B:ASP:HA	1:119:B:LEU:HB2	12	0.15
(1,14949)	1:115:B:LYS:HA	1:118:B:GLN:H	18	0.15
(1,14909)	1:112:B:ASP:HA	1:115:B:LYS:H	9	0.15
(1,14872)	1:109:B:LEU:H	1:112:B:ASP:HB3	16	0.15
(1,14872)	1:109:B:LEU:H	1:112:B:ASP:HB2	16	0.15
(1,14856)	1:108:B:SER:HB3	1:112:B:ASP:HB3	16	0.15
(1,14856)	1:108:B:SER:HB3	1:112:B:ASP:HB2	16	0.15
(1,14856)	1:108:B:SER:HB2	1:112:B:ASP:HB3	16	0.15
(1,14856)	1:108:B:SER:HB2	1:112:B:ASP:HB2	16	0.15
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	16	0.15
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	16	0.15
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	16	0.15
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	16	0.15
(1,14778)	1:105:B:PHE:HA	1:111:B:SER:H	16	0.15
(1,14777)	1:105:B:PHE:HB3	1:112:B:ASP:H	11	0.15
(1,14777)	1:105:B:PHE:HB2	1:112:B:ASP:H	11	0.15
(1,14708)	1:102:B:THR:HG21	1:117:B:SER:HA	4	0.15
(1,14708)	1:102:B:THR:HG22	1:117:B:SER:HA	4	0.15
(1,14708)	1:102:B:THR:HG23	1:117:B:SER:HA	4	0.15
(1,14707)	1:102:B:THR:HB	1:117:B:SER:HA	2	0.15
(1,14700)	1:102:B:THR:H	1:120:B:ILE:HD11	20	0.15
(1,14700)	1:102:B:THR:H	1:120:B:ILE:HD12	20	0.15
(1,14700)	1:102:B:THR:H	1:120:B:ILE:HD13	20	0.15
(1,14674)	1:99:B:LYS:HG3	1:101:B:GLY:HA3	5	0.15
(1,14674)	1:99:B:LYS:HG3	1:101:B:GLY:HA2	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14674)	1:99:B:LYS:HG2	1:101:B:GLY:HA3	5	0.15
(1,14674)	1:99:B:LYS:HG2	1:101:B:GLY:HA2	5	0.15
(1,14561)	1:95:B:GLY:HA3	1:99:B:LYS:H	13	0.15
(1,14561)	1:95:B:GLY:HA2	1:99:B:LYS:H	13	0.15
(1,14187)	1:84:B:GLY:HA3	1:141:B:THR:HB	5	0.15
(1,14187)	1:84:B:GLY:HA2	1:141:B:THR:HB	5	0.15
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	2	0.15
(1,13351)	1:58:B:GLU:HG3	1:145:B:GLY:HA3	11	0.15
(1,13351)	1:58:B:GLU:HG3	1:145:B:GLY:HA2	11	0.15
(1,13351)	1:58:B:GLU:HG2	1:145:B:GLY:HA3	11	0.15
(1,13351)	1:58:B:GLU:HG2	1:145:B:GLY:HA2	11	0.15
(1,13241)	1:51:B:LEU:HA	1:54:B:PRO:HG3	16	0.15
(1,13241)	1:51:B:LEU:HA	1:54:B:PRO:HG2	16	0.15
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	16	0.15
(1,12652)	1:34:B:GLU:HA	1:37:B:SER:HB3	19	0.15
(1,12652)	1:34:B:GLU:HA	1:37:B:SER:HB2	19	0.15
(1,12550)	1:32:B:LEU:HD11	1:187:B:PHE:HB2	1	0.15
(1,12539)	1:32:B:LEU:HD11	1:196:B:ILE:HB	13	0.15
(1,12539)	1:32:B:LEU:HD12	1:196:B:ILE:HB	13	0.15
(1,12539)	1:32:B:LEU:HD13	1:196:B:ILE:HB	13	0.15
(1,12422)	1:29:B:GLU:HB3	1:187:B:PHE:HZ	13	0.15
(1,12422)	1:29:B:GLU:HB2	1:187:B:PHE:HZ	13	0.15
(1,12421)	1:29:B:GLU:HA	1:187:B:PHE:HZ	20	0.15
(1,11877)	1:613:A:LEU:HA	1:617:A:ARG:HG3	19	0.15
(1,11877)	1:613:A:LEU:HA	1:617:A:ARG:HG2	19	0.15
(1,11215)	1:584:A:GLU:HG3	1:585:A:ASP:HA	10	0.15
(1,11215)	1:584:A:GLU:HG2	1:585:A:ASP:HA	10	0.15
(1,11087)	1:577:A:VAL:HB	1:578:A:LYS:HG3	18	0.15
(1,11087)	1:577:A:VAL:HB	1:578:A:LYS:HG2	18	0.15
(1,11001)	1:574:A:HIS:HE1	1:575:A:VAL:HB	1	0.15
(1,11001)	1:574:A:HIS:HE1	1:575:A:VAL:HB	6	0.15
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD11	19	0.15
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD12	19	0.15
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD13	19	0.15
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	6	0.15
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	6	0.15
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	6	0.15
(1,10689)	1:560:A:LYS:HE3	1:566:A:TYR:H	7	0.15
(1,10689)	1:560:A:LYS:HE2	1:566:A:TYR:H	7	0.15
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	4	0.15
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	4	0.15
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	4	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	4	0.15
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	9	0.15
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	9	0.15
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	9	0.15
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	9	0.15
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	19	0.15
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	19	0.15
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	19	0.15
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	19	0.15
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	2	0.15
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	2	0.15
(1,10587)	1:555:A:ALA:H	1:558:A:GLY:H	20	0.15
(1,10550)	1:554:A:PHE:HE1	1:564:A:VAL:HG11	14	0.15
(1,10550)	1:554:A:PHE:HE1	1:564:A:VAL:HG12	14	0.15
(1,10550)	1:554:A:PHE:HE1	1:564:A:VAL:HG13	14	0.15
(1,10550)	1:554:A:PHE:HE2	1:564:A:VAL:HG11	14	0.15
(1,10550)	1:554:A:PHE:HE2	1:564:A:VAL:HG12	14	0.15
(1,10550)	1:554:A:PHE:HE2	1:564:A:VAL:HG13	14	0.15
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	2	0.15
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	2	0.15
(1,10499)	1:552:A:LYS:HG3	1:561:A:VAL:HG11	16	0.15
(1,10499)	1:552:A:LYS:HG3	1:561:A:VAL:HG12	16	0.15
(1,10499)	1:552:A:LYS:HG3	1:561:A:VAL:HG13	16	0.15
(1,10499)	1:552:A:LYS:HG2	1:561:A:VAL:HG11	16	0.15
(1,10499)	1:552:A:LYS:HG2	1:561:A:VAL:HG12	16	0.15
(1,10499)	1:552:A:LYS:HG2	1:561:A:VAL:HG13	16	0.15
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD21	17	0.15
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD22	17	0.15
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD23	17	0.15
(1,10442)	1:549:A:GLN:HB3	1:554:A:PHE:HZ	6	0.15
(1,10442)	1:549:A:GLN:HB2	1:554:A:PHE:HZ	6	0.15
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	10	0.15
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	10	0.15
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	10	0.15
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	10	0.15
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	14	0.15
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	14	0.15
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	14	0.15
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	14	0.15
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	9	0.15
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	9	0.15
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	9	0.15
(1,10030)	1:536:A:PRO:HA	1:571:A:ASN:HB3	15	0.15
(1,10030)	1:536:A:PRO:HA	1:571:A:ASN:HB2	15	0.15
(1,9963)	1:534:A:ASP:HA	1:574:A:HIS:HA	7	0.15
(1,9866)	1:529:A:THR:HB	1:531:A:ARG:HD3	8	0.15
(1,9866)	1:529:A:THR:HB	1:531:A:ARG:HD2	8	0.15
(1,9649)	1:523:A:VAL:HA	1:560:A:LYS:HE3	14	0.15
(1,9649)	1:523:A:VAL:HA	1:560:A:LYS:HE2	14	0.15
(1,9565)	1:519:A:LEU:HA	1:522:A:ARG:HD3	6	0.15
(1,9565)	1:519:A:LEU:HA	1:522:A:ARG:HD2	6	0.15
(1,9360)	1:514:A:ARG:HE	1:589:A:PHE:HZ	10	0.15
(1,9320)	1:512:A:ILE:HB	1:526:A:VAL:HB	16	0.15
(1,9207)	1:509:A:THR:HB	1:513:A:ASP:H	18	0.15
(1,9095)	1:505:A:GLU:HG3	1:572:A:PRO:HG3	7	0.15
(1,9095)	1:505:A:GLU:HG3	1:572:A:PRO:HG2	7	0.15
(1,9095)	1:505:A:GLU:HG2	1:572:A:PRO:HG3	7	0.15
(1,9095)	1:505:A:GLU:HG2	1:572:A:PRO:HG2	7	0.15
(1,8981)	1:500:A:SER:HB3	1:572:A:PRO:HB3	13	0.15
(1,8981)	1:500:A:SER:HB2	1:572:A:PRO:HB3	13	0.15
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG3	3	0.15
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG2	3	0.15
(1,8961)	1:498:A:ASP:HB3	1:499:A:GLU:HA	18	0.15
(1,8961)	1:498:A:ASP:HB2	1:499:A:GLU:HA	18	0.15
(1,8931)	1:497:A:VAL:HB	1:530:A:HIS:HB3	5	0.15
(1,8931)	1:497:A:VAL:HB	1:530:A:HIS:HB2	5	0.15
(1,8931)	1:497:A:VAL:HB	1:530:A:HIS:HB3	6	0.15
(1,8931)	1:497:A:VAL:HB	1:530:A:HIS:HB2	6	0.15
(1,8913)	1:497:A:VAL:HB	1:531:A:ARG:HA	15	0.15
(1,8900)	1:497:A:VAL:HB	1:532:A:LEU:HA	16	0.15
(1,8848)	1:481:A:GLN:HE21	1:482:A:SER:H	4	0.15
(1,8848)	1:481:A:GLN:HE22	1:482:A:SER:H	4	0.15
(1,8802)	1:474:A:GLU:HG3	1:478:A:LYS:H	18	0.15
(1,8802)	1:474:A:GLU:HG2	1:478:A:LYS:H	18	0.15
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD21	18	0.15
(1,8729)	1:467:A:TRP:HA	1:470:A:ASN:HD22	18	0.15
(1,8644)	1:456:A:GLU:HG3	1:457:A:VAL:H	9	0.15
(1,8644)	1:456:A:GLU:HG2	1:457:A:VAL:H	9	0.15
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG21	6	0.15
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG22	6	0.15
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG23	6	0.15
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG11	6	0.15
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG12	6	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG13	6	0.15
(1,8411)	1:434:A:THR:HA	1:460:A:LEU:HB3	6	0.15
(1,8411)	1:434:A:THR:HA	1:460:A:LEU:HB2	6	0.15
(1,8362)	1:431:A:TYR:HD1	1:456:A:GLU:H	4	0.15
(1,8362)	1:431:A:TYR:HD2	1:456:A:GLU:H	4	0.15
(1,8259)	1:424:A:LYS:HG3	1:427:A:GLN:HE21	8	0.15
(1,8259)	1:424:A:LYS:HG3	1:427:A:GLN:HE22	8	0.15
(1,8259)	1:424:A:LYS:HG2	1:427:A:GLN:HE21	8	0.15
(1,8259)	1:424:A:LYS:HG2	1:427:A:GLN:HE22	8	0.15
(1,8243)	1:423:A:MET:HA	1:427:A:GLN:HE21	15	0.15
(1,8243)	1:423:A:MET:HA	1:427:A:GLN:HE22	15	0.15
(1,8168)	1:419:A:TYR:HE2	1:478:A:LYS:HG3	7	0.15
(1,8168)	1:419:A:TYR:HE2	1:478:A:LYS:HG2	7	0.15
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	19	0.15
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	19	0.15
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	19	0.15
(1,8015)	1:405:A:THR:HA	1:408:A:ASP:HA	19	0.15
(1,8014)	1:405:A:THR:HG21	1:442:A:LYS:HG3	15	0.15
(1,8014)	1:405:A:THR:HG21	1:442:A:LYS:HG2	15	0.15
(1,8014)	1:405:A:THR:HG22	1:442:A:LYS:HG3	15	0.15
(1,8014)	1:405:A:THR:HG22	1:442:A:LYS:HG2	15	0.15
(1,8014)	1:405:A:THR:HG23	1:442:A:LYS:HG3	15	0.15
(1,8014)	1:405:A:THR:HG23	1:442:A:LYS:HG2	15	0.15
(1,7903)	1:402:A:PHE:HD1	1:461:A:SER:H	15	0.15
(1,7903)	1:402:A:PHE:HD2	1:461:A:SER:H	15	0.15
(1,7782)	1:393:A:GLN:H	1:396:A:ILE:HD11	12	0.15
(1,7782)	1:393:A:GLN:H	1:396:A:ILE:HD12	12	0.15
(1,7782)	1:393:A:GLN:H	1:396:A:ILE:HD13	12	0.15
(1,7761)	1:392:A:ASN:HA	1:396:A:ILE:H	16	0.15
(1,7507)	1:375:A:TRP:HH2	1:383:A:LYS:HG3	2	0.15
(1,7507)	1:375:A:TRP:HH2	1:383:A:LYS:HG2	2	0.15
(1,7501)	1:375:A:TRP:HZ3	1:400:A:LEU:HA	3	0.15
(1,7348)	1:365:A:LYS:HE3	1:398:A:LYS:HE3	14	0.15
(1,7348)	1:365:A:LYS:HE3	1:398:A:LYS:HE2	14	0.15
(1,7348)	1:365:A:LYS:HE2	1:398:A:LYS:HE3	14	0.15
(1,7348)	1:365:A:LYS:HE2	1:398:A:LYS:HE2	14	0.15
(1,7193)	1:356:A:VAL:HA	1:359:A:MET:HE1	15	0.15
(1,7193)	1:356:A:VAL:HA	1:359:A:MET:HE2	15	0.15
(1,7193)	1:356:A:VAL:HA	1:359:A:MET:HE3	15	0.15
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	5	0.15
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	5	0.15
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	5	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	5	0.15
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	5	0.15
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	5	0.15
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	5	0.15
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	5	0.15
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	5	0.15
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	11	0.15
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	11	0.15
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	11	0.15
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	11	0.15
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	11	0.15
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	11	0.15
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	11	0.15
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	11	0.15
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	11	0.15
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD11	6	0.15
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD12	6	0.15
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD13	6	0.15
(1,6792)	1:320:A:PHE:HZ	1:374:A:PHE:HZ	17	0.15
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG21	8	0.15
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG22	8	0.15
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG23	8	0.15
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG21	8	0.15
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG22	8	0.15
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG23	8	0.15
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG21	8	0.15
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG22	8	0.15
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG23	8	0.15
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD3	11	0.15
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD2	11	0.15
(1,6303)	1:297:A:LEU:HD21	1:323:A:GLY:H	13	0.15
(1,6303)	1:297:A:LEU:HD22	1:323:A:GLY:H	13	0.15
(1,6303)	1:297:A:LEU:HD23	1:323:A:GLY:H	13	0.15
(1,6257)	1:295:A:HIS:HE1	1:316:A:ASN:HD21	3	0.15
(1,6257)	1:295:A:HIS:HE1	1:316:A:ASN:HD22	3	0.15
(1,6248)	1:294:A:LYS:H	1:295:A:HIS:H	3	0.15
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD3	8	0.15
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD2	8	0.15
(1,6231)	1:291:A:ARG:HA	1:293:A:HIS:HA	18	0.15
(1,6210)	1:289:A:TRP:HH2	1:381:A:VAL:HA	20	0.15
(1,6161)	1:286:A:TRP:HZ3	1:290:A:ASN:HA	19	0.15
(1,6144)	1:285:A:PRO:HG3	1:320:A:PHE:HA	12	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6144)	1:285:A:PRO:HG2	1:320:A:PHE:HA	12	0.15
(1,6122)	1:283:A:GLN:HG3	1:284:A:ALA:H	15	0.15
(1,6122)	1:283:A:GLN:HG2	1:284:A:ALA:H	15	0.15
(1,5633)	1:257:A:PHE:H	1:258:A:ASN:HD21	5	0.15
(1,5633)	1:257:A:PHE:H	1:258:A:ASN:HD22	5	0.15
(1,5554)	1:251:A:LYS:HG3	1:257:A:PHE:HA	20	0.15
(1,5554)	1:251:A:LYS:HG2	1:257:A:PHE:HA	20	0.15
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	17	0.15
(1,4961)	1:213:A:ARG:HG3	1:221:A:VAL:H	7	0.15
(1,4961)	1:213:A:ARG:HG2	1:221:A:VAL:H	7	0.15
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	7	0.15
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	17	0.15
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	17	0.15
(1,4604)	1:203:A:HIS:HD2	1:252:A:HIS:HD2	12	0.15
(1,4316)	1:193:A:VAL:HG11	1:227:A:ILE:HD11	11	0.15
(1,4316)	1:193:A:VAL:HG11	1:227:A:ILE:HD12	11	0.15
(1,4316)	1:193:A:VAL:HG11	1:227:A:ILE:HD13	11	0.15
(1,4291)	1:191:A:TRP:HE1	1:192:A:ARG:HA	5	0.15
(1,2990)	1:122:A:GLN:HB3	1:255:A:HIS:HE1	19	0.15
(1,2990)	1:122:A:GLN:HB2	1:255:A:HIS:HE1	19	0.15
(1,2895)	1:116:A:ASP:H	1:118:A:GLN:HB3	1	0.15
(1,2895)	1:116:A:ASP:H	1:118:A:GLN:HB2	1	0.15
(1,2871)	1:115:A:LYS:HA	1:118:A:GLN:H	10	0.15
(1,2742)	1:106:A:LEU:HD11	1:109:A:LEU:H	10	0.15
(1,2742)	1:106:A:LEU:HD12	1:109:A:LEU:H	10	0.15
(1,2742)	1:106:A:LEU:HD13	1:109:A:LEU:H	10	0.15
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA3	11	0.15
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA2	11	0.15
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA3	11	0.15
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA2	11	0.15
(1,2506)	1:96:A:THR:HB	1:102:A:THR:HA	7	0.15
(1,2401)	1:93:A:HIS:HB3	1:119:A:LEU:HA	14	0.15
(1,2401)	1:93:A:HIS:HB2	1:119:A:LEU:HA	14	0.15
(1,2249)	1:88:A:ASP:HA	1:91:A:ILE:HB	1	0.15
(1,1947)	1:78:A:ILE:HG23	1:208:A:VAL:HG12	10	0.15
(1,1497)	1:66:A:ARG:HE	1:209:A:GLU:HB3	14	0.15
(1,1497)	1:66:A:ARG:HE	1:209:A:GLU:HB2	14	0.15
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	16	0.15
(1,1482)	1:66:A:ARG:HB2	1:211:A:GLU:H	18	0.15
(1,884)	1:44:A:ASP:HB3	1:305:A:PHE:HA	2	0.15
(1,884)	1:44:A:ASP:HB2	1:305:A:PHE:HA	2	0.15
(1,473)	1:32:A:LEU:HB3	1:187:A:PHE:HD1	9	0.15

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,327)	1:29:A:GLU:HA	1:196:A:ILE:HD12	16	0.15
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	16	0.14
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	16	0.14
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	16	0.14
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	16	0.14
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	16	0.14
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	16	0.14
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	16	0.14
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	16	0.14
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	16	0.14
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD21	12	0.14
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD22	12	0.14
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD23	12	0.14
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD21	12	0.14
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD22	12	0.14
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD23	12	0.14
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD21	12	0.14
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD22	12	0.14
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD23	12	0.14
(1,24205)	1:396:B:ILE:HD11	2:81:C:LEU:HD11	13	0.14
(1,24205)	1:396:B:ILE:HD11	2:81:C:LEU:HD12	13	0.14
(1,24205)	1:396:B:ILE:HD11	2:81:C:LEU:HD13	13	0.14
(1,24205)	1:396:B:ILE:HD12	2:81:C:LEU:HD11	13	0.14
(1,24205)	1:396:B:ILE:HD12	2:81:C:LEU:HD12	13	0.14
(1,24205)	1:396:B:ILE:HD12	2:81:C:LEU:HD13	13	0.14
(1,24205)	1:396:B:ILE:HD13	2:81:C:LEU:HD11	13	0.14
(1,24205)	1:396:B:ILE:HD13	2:81:C:LEU:HD12	13	0.14
(1,24205)	1:396:B:ILE:HD13	2:81:C:LEU:HD13	13	0.14
(1,24196)	1:457:A:VAL:HG21	2:6:C:LEU:HD21	1	0.14
(1,24196)	1:457:A:VAL:HG21	2:6:C:LEU:HD22	1	0.14
(1,24196)	1:457:A:VAL:HG21	2:6:C:LEU:HD23	1	0.14
(1,24196)	1:457:A:VAL:HG22	2:6:C:LEU:HD21	1	0.14
(1,24196)	1:457:A:VAL:HG22	2:6:C:LEU:HD22	1	0.14
(1,24196)	1:457:A:VAL:HG22	2:6:C:LEU:HD23	1	0.14
(1,24196)	1:457:A:VAL:HG23	2:6:C:LEU:HD21	1	0.14
(1,24196)	1:457:A:VAL:HG23	2:6:C:LEU:HD22	1	0.14
(1,24196)	1:457:A:VAL:HG23	2:6:C:LEU:HD23	1	0.14
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	8	0.14
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	8	0.14
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	8	0.14
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	5	0.14
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	5	0.14
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	5	0.14
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	6	0.14
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	6	0.14
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	6	0.14
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	6	0.14
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD11	14	0.14
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD12	14	0.14
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD13	14	0.14
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD11	14	0.14
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD12	14	0.14
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD13	14	0.14
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD11	14	0.14
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD12	14	0.14
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD13	14	0.14
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	3	0.14
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	3	0.14
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	3	0.14
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	3	0.14
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	3	0.14
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	3	0.14
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	3	0.14
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	3	0.14
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	3	0.14
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	15	0.14
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	15	0.14
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	15	0.14
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	15	0.14
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	15	0.14
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	15	0.14
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	15	0.14
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	15	0.14
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	15	0.14
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD11	20	0.14
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD12	20	0.14
(1,24169)	1:399:A:LEU:HD11	2:30:C:LEU:HD13	20	0.14
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD11	20	0.14
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD12	20	0.14
(1,24169)	1:399:A:LEU:HD12	2:30:C:LEU:HD13	20	0.14
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD11	20	0.14
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD12	20	0.14
(1,24169)	1:399:A:LEU:HD13	2:30:C:LEU:HD13	20	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD11	2	0.14
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD12	2	0.14
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD13	2	0.14
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD11	2	0.14
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD12	2	0.14
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD13	2	0.14
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD11	2	0.14
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD12	2	0.14
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD13	2	0.14
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD11	16	0.14
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD12	16	0.14
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD13	16	0.14
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD11	16	0.14
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD12	16	0.14
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD13	16	0.14
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD11	16	0.14
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD12	16	0.14
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD13	16	0.14
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	9	0.14
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	9	0.14
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	9	0.14
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	9	0.14
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	9	0.14
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	9	0.14
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	9	0.14
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	9	0.14
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	9	0.14
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG11	12	0.14
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG12	12	0.14
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG13	12	0.14
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG11	12	0.14
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG12	12	0.14
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG13	12	0.14
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG11	12	0.14
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG12	12	0.14
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG13	12	0.14
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG11	17	0.14
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG12	17	0.14
(1,24157)	1:483:A:VAL:HG11	2:15:C:VAL:HG13	17	0.14
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG11	17	0.14
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG12	17	0.14
(1,24157)	1:483:A:VAL:HG12	2:15:C:VAL:HG13	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG11	17	0.14
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG12	17	0.14
(1,24157)	1:483:A:VAL:HG13	2:15:C:VAL:HG13	17	0.14
(1,23865)	1:608:B:LEU:H	1:611:B:PRO:HG3	19	0.14
(1,23865)	1:608:B:LEU:H	1:611:B:PRO:HG2	19	0.14
(1,23604)	1:596:B:LEU:HD21	1:599:B:GLN:HE21	16	0.14
(1,23604)	1:596:B:LEU:HD21	1:599:B:GLN:HE22	16	0.14
(1,23604)	1:596:B:LEU:HD22	1:599:B:GLN:HE21	16	0.14
(1,23604)	1:596:B:LEU:HD22	1:599:B:GLN:HE22	16	0.14
(1,23604)	1:596:B:LEU:HD23	1:599:B:GLN:HE21	16	0.14
(1,23604)	1:596:B:LEU:HD23	1:599:B:GLN:HE22	16	0.14
(1,23079)	1:574:B:HIS:HE1	1:575:B:VAL:HB	16	0.14
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG11	5	0.14
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG12	5	0.14
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG13	5	0.14
(1,22783)	1:560:B:LYS:HA	1:564:B:VAL:HB	17	0.14
(1,22713)	1:557:B:ALA:HB1	1:561:B:VAL:HA	16	0.14
(1,22713)	1:557:B:ALA:HB2	1:561:B:VAL:HA	16	0.14
(1,22713)	1:557:B:ALA:HB3	1:561:B:VAL:HA	16	0.14
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	7	0.14
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	7	0.14
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	8	0.14
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	8	0.14
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	20	0.14
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	20	0.14
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	7	0.14
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	7	0.14
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	7	0.14
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	7	0.14
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	7	0.14
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	7	0.14
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	17	0.14
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	17	0.14
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	17	0.14
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	17	0.14
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	17	0.14
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	17	0.14
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	20	0.14
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	20	0.14
(1,22602)	1:552:B:LYS:H	1:553:B:LEU:HD21	6	0.14
(1,22602)	1:552:B:LYS:H	1:553:B:LEU:HD22	6	0.14
(1,22602)	1:552:B:LYS:H	1:553:B:LEU:HD23	6	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE1	20	0.14
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE2	20	0.14
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE1	20	0.14
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE2	20	0.14
(1,22520)	1:549:B:GLN:HB3	1:554:B:PHE:HZ	15	0.14
(1,22520)	1:549:B:GLN:HB2	1:554:B:PHE:HZ	15	0.14
(1,22492)	1:548:B:THR:H	1:561:B:VAL:HG21	19	0.14
(1,22492)	1:548:B:THR:H	1:561:B:VAL:HG22	19	0.14
(1,22492)	1:548:B:THR:H	1:561:B:VAL:HG23	19	0.14
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	18	0.14
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	18	0.14
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB3	12	0.14
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB2	12	0.14
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB3	13	0.14
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB2	13	0.14
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	2	0.14
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	2	0.14
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	2	0.14
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	2	0.14
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	11	0.14
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	11	0.14
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	11	0.14
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	11	0.14
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	13	0.14
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	13	0.14
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	13	0.14
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	13	0.14
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	7	0.14
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	7	0.14
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	7	0.14
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	7	0.14
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	18	0.14
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	18	0.14
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	18	0.14
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	18	0.14
(1,22444)	1:547:B:SER:HA	1:564:B:VAL:HA	12	0.14
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD3	19	0.14
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD2	19	0.14
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD3	19	0.14
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD2	19	0.14
(1,22054)	1:535:B:THR:HA	1:574:B:HIS:HD2	14	0.14
(1,21756)	1:524:B:LYS:H	1:567:B:ILE:HA	19	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG21	20	0.14
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG22	20	0.14
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG23	20	0.14
(1,21084)	1:501:B:ALA:HA	1:530:B:HIS:HE1	3	0.14
(1,21082)	1:500:B:SER:H	1:501:B:ALA:HB1	11	0.14
(1,21082)	1:500:B:SER:H	1:501:B:ALA:HB2	11	0.14
(1,21082)	1:500:B:SER:H	1:501:B:ALA:HB3	11	0.14
(1,21042)	1:498:B:ASP:HA	1:499:B:GLU:HG3	12	0.14
(1,21042)	1:498:B:ASP:HA	1:499:B:GLU:HG2	12	0.14
(1,20990)	1:497:B:VAL:HG11	1:531:B:ARG:H	5	0.14
(1,20942)	1:495:B:ASP:HA	1:530:B:HIS:HD2	17	0.14
(1,20926)	1:481:B:GLN:HE21	1:482:B:SER:H	20	0.14
(1,20926)	1:481:B:GLN:HE22	1:482:B:SER:H	20	0.14
(1,20888)	1:474:B:GLU:HG3	1:475:B:PHE:H	5	0.14
(1,20888)	1:474:B:GLU:HG2	1:475:B:PHE:H	5	0.14
(1,20858)	1:472:B:LEU:HD21	1:474:B:GLU:H	5	0.14
(1,20858)	1:472:B:LEU:HD22	1:474:B:GLU:H	5	0.14
(1,20858)	1:472:B:LEU:HD23	1:474:B:GLU:H	5	0.14
(1,20858)	1:472:B:LEU:HD21	1:474:B:GLU:H	9	0.14
(1,20858)	1:472:B:LEU:HD22	1:474:B:GLU:H	9	0.14
(1,20858)	1:472:B:LEU:HD23	1:474:B:GLU:H	9	0.14
(1,20815)	1:468:B:MET:HE1	1:472:B:LEU:HD11	3	0.14
(1,20815)	1:468:B:MET:HE1	1:472:B:LEU:HD12	3	0.14
(1,20815)	1:468:B:MET:HE1	1:472:B:LEU:HD13	3	0.14
(1,20815)	1:468:B:MET:HE2	1:472:B:LEU:HD11	3	0.14
(1,20815)	1:468:B:MET:HE2	1:472:B:LEU:HD12	3	0.14
(1,20815)	1:468:B:MET:HE2	1:472:B:LEU:HD13	3	0.14
(1,20815)	1:468:B:MET:HE3	1:472:B:LEU:HD11	3	0.14
(1,20815)	1:468:B:MET:HE3	1:472:B:LEU:HD12	3	0.14
(1,20815)	1:468:B:MET:HE3	1:472:B:LEU:HD13	3	0.14
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE1	9	0.14
(1,20802)	1:467:B:TRP:HE1	1:471:B:TYR:HE2	9	0.14
(1,20783)	1:465:B:ASP:HA	1:469:B:MET:HG3	8	0.14
(1,20783)	1:465:B:ASP:HA	1:469:B:MET:HG2	8	0.14
(1,20483)	1:434:B:THR:H	1:482:B:SER:HB3	16	0.14
(1,20483)	1:434:B:THR:H	1:482:B:SER:HB2	16	0.14
(1,20195)	1:416:B:LEU:HD21	1:480:B:PHE:HZ	13	0.14
(1,20195)	1:416:B:LEU:HD22	1:480:B:PHE:HZ	13	0.14
(1,20195)	1:416:B:LEU:HD23	1:480:B:PHE:HZ	13	0.14
(1,20105)	1:406:B:HIS:HA	1:422:B:ARG:HD3	11	0.14
(1,20105)	1:406:B:HIS:HA	1:422:B:ARG:HD2	11	0.14
(1,20091)	1:405:B:THR:HG21	1:442:B:LYS:HA	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20091)	1:405:B:THR:HG22	1:442:B:LYS:HA	5	0.14
(1,20091)	1:405:B:THR:HG23	1:442:B:LYS:HA	5	0.14
(1,19817)	1:389:B:ASP:HA	1:396:B:ILE:HD11	10	0.14
(1,19817)	1:389:B:ASP:HA	1:396:B:ILE:HD12	10	0.14
(1,19817)	1:389:B:ASP:HA	1:396:B:ILE:HD13	10	0.14
(1,19737)	1:384:B:GLU:HA	1:467:B:TRP:HE3	5	0.14
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD11	9	0.14
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD12	9	0.14
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD13	9	0.14
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD21	15	0.14
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD22	15	0.14
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD23	15	0.14
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD21	15	0.14
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD22	15	0.14
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD23	15	0.14
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD21	15	0.14
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD22	15	0.14
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD23	15	0.14
(1,18821)	1:318:B:LEU:HA	1:382:B:LEU:HA	11	0.14
(1,18723)	1:313:B:PHE:HZ	1:345:B:THR:HA	10	0.14
(1,18515)	1:300:B:TYR:H	1:325:B:ILE:HD11	10	0.14
(1,18515)	1:300:B:TYR:H	1:325:B:ILE:HD12	10	0.14
(1,18515)	1:300:B:TYR:H	1:325:B:ILE:HD13	10	0.14
(1,18326)	1:294:B:LYS:H	1:295:B:HIS:H	2	0.14
(1,18316)	1:293:B:HIS:HE1	1:309:B:ASP:HB3	19	0.14
(1,18316)	1:293:B:HIS:HE1	1:309:B:ASP:HB2	19	0.14
(1,18243)	1:286:B:TRP:HE3	1:289:B:TRP:H	7	0.14
(1,18200)	1:283:B:GLN:HG3	1:284:B:ALA:H	12	0.14
(1,18200)	1:283:B:GLN:HG2	1:284:B:ALA:H	12	0.14
(1,18184)	1:282:B:SER:HA	1:374:B:PHE:HA	4	0.14
(1,17967)	1:273:B:GLU:HG3	1:328:B:SER:H	18	0.14
(1,17967)	1:273:B:GLU:HG2	1:328:B:SER:H	18	0.14
(1,17950)	1:272:B:GLN:HB3	1:348:B:LEU:HD21	7	0.14
(1,17950)	1:272:B:GLN:HB3	1:348:B:LEU:HD22	7	0.14
(1,17950)	1:272:B:GLN:HB3	1:348:B:LEU:HD23	7	0.14
(1,17950)	1:272:B:GLN:HB2	1:348:B:LEU:HD21	7	0.14
(1,17950)	1:272:B:GLN:HB2	1:348:B:LEU:HD22	7	0.14
(1,17950)	1:272:B:GLN:HB2	1:348:B:LEU:HD23	7	0.14
(1,17789)	1:262:B:THR:HB	1:370:B:LYS:HD3	19	0.14
(1,17789)	1:262:B:THR:HB	1:370:B:LYS:HD2	19	0.14
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD3	14	0.14
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD2	14	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17661)	1:253:B:ILE:HD11	1:322:B:ARG:HB3	2	0.14
(1,17661)	1:253:B:ILE:HD11	1:322:B:ARG:HB2	2	0.14
(1,17661)	1:253:B:ILE:HD12	1:322:B:ARG:HB3	2	0.14
(1,17661)	1:253:B:ILE:HD12	1:322:B:ARG:HB2	2	0.14
(1,17661)	1:253:B:ILE:HD13	1:322:B:ARG:HB3	2	0.14
(1,17661)	1:253:B:ILE:HD13	1:322:B:ARG:HB2	2	0.14
(1,17352)	1:234:B:TRP:HD1	1:276:B:SER:HA	4	0.14
(1,17039)	1:213:B:ARG:HG3	1:221:B:VAL:H	20	0.14
(1,17039)	1:213:B:ARG:HG2	1:221:B:VAL:H	20	0.14
(1,16785)	1:205:B:ALA:HA	1:230:B:ALA:HA	1	0.14
(1,16576)	1:198:B:SER:HA	1:201:B:SER:H	2	0.14
(1,16369)	1:191:B:TRP:HE1	1:192:B:ARG:HA	16	0.14
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	9	0.14
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	9	0.14
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	4	0.14
(1,16120)	1:175:B:GLU:HG3	1:177:B:THR:H	7	0.14
(1,15691)	1:142:B:ARG:HD3	1:146:B:GLU:HB3	2	0.14
(1,15691)	1:142:B:ARG:HD3	1:146:B:GLU:HB2	2	0.14
(1,15691)	1:142:B:ARG:HD2	1:146:B:GLU:HB3	2	0.14
(1,15691)	1:142:B:ARG:HD2	1:146:B:GLU:HB2	2	0.14
(1,15619)	1:141:B:THR:HB	1:174:B:THR:HB	1	0.14
(1,15416)	1:136:B:LYS:HG3	1:155:B:GLU:HG3	6	0.14
(1,15416)	1:136:B:LYS:HG3	1:155:B:GLU:HG2	6	0.14
(1,15416)	1:136:B:LYS:HG2	1:155:B:GLU:HG3	6	0.14
(1,15416)	1:136:B:LYS:HG2	1:155:B:GLU:HG2	6	0.14
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	14	0.14
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	16	0.14
(1,14909)	1:112:B:ASP:HA	1:115:B:LYS:H	6	0.14
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB3	5	0.14
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB2	5	0.14
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB3	5	0.14
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB2	5	0.14
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB3	5	0.14
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB2	5	0.14
(1,14779)	1:105:B:PHE:HD2	1:110:B:GLY:H	10	0.14
(1,14768)	1:105:B:PHE:HZ	1:286:B:TRP:HH2	19	0.14
(1,14749)	1:104:B:SER:HB3	1:106:B:LEU:H	14	0.14
(1,14749)	1:104:B:SER:HB2	1:106:B:LEU:H	14	0.14
(1,14672)	1:99:B:LYS:HE3	1:101:B:GLY:H	16	0.14
(1,14672)	1:99:B:LYS:HE2	1:101:B:GLY:H	16	0.14
(1,14667)	1:99:B:LYS:HB3	1:161:B:GLU:HA	3	0.14
(1,14667)	1:99:B:LYS:HB2	1:161:B:GLU:HA	3	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14656)	1:98:B:ALA:H	1:99:B:LYS:H	6	0.14
(1,14561)	1:95:B:GLY:HA3	1:99:B:LYS:H	10	0.14
(1,14561)	1:95:B:GLY:HA2	1:99:B:LYS:H	10	0.14
(1,14204)	1:85:B:MET:H	1:143:B:ALA:H	3	0.14
(1,14204)	1:85:B:MET:H	1:143:B:ALA:H	6	0.14
(1,13679)	1:68:B:SER:HB3	1:224:B:TRP:HH2	12	0.14
(1,13679)	1:68:B:SER:HB2	1:224:B:TRP:HH2	12	0.14
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	18	0.14
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD21	11	0.14
(1,13418)	1:63:B:LEU:HA	1:81:B:ASN:HD22	11	0.14
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE1	12	0.14
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE2	12	0.14
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE1	12	0.14
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE2	12	0.14
(1,13089)	1:47:B:ARG:HB3	1:304:B:VAL:HG11	19	0.14
(1,13089)	1:47:B:ARG:HB3	1:304:B:VAL:HG12	19	0.14
(1,13089)	1:47:B:ARG:HB3	1:304:B:VAL:HG13	19	0.14
(1,13089)	1:47:B:ARG:HB2	1:304:B:VAL:HG11	19	0.14
(1,13089)	1:47:B:ARG:HB2	1:304:B:VAL:HG12	19	0.14
(1,13089)	1:47:B:ARG:HB2	1:304:B:VAL:HG13	19	0.14
(1,12526)	1:32:B:LEU:HB3	1:200:B:TYR:HE1	19	0.14
(1,12526)	1:32:B:LEU:HB2	1:200:B:TYR:HE1	19	0.14
(1,12414)	1:29:B:GLU:HB3	1:192:B:ARG:HE	13	0.14
(1,12414)	1:29:B:GLU:HB2	1:192:B:ARG:HE	13	0.14
(1,12261)	1:22:B:HIS:HB3	1:25:B:TYR:HA	12	0.14
(1,12261)	1:22:B:HIS:HB2	1:25:B:TYR:HA	12	0.14
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	18	0.14
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	18	0.14
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	18	0.14
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD11	6	0.14
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD12	6	0.14
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD13	6	0.14
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	5	0.14
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	5	0.14
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	5	0.14
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	11	0.14
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	11	0.14
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	11	0.14
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	11	0.14
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	16	0.14
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	16	0.14
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	16	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	16	0.14
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG21	1	0.14
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG22	1	0.14
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG23	1	0.14
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG21	1	0.14
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG22	1	0.14
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG23	1	0.14
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG21	1	0.14
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG22	1	0.14
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG23	1	0.14
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG21	11	0.14
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG22	11	0.14
(1,10642)	1:557:A:ALA:HB1	1:561:A:VAL:HG23	11	0.14
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG21	11	0.14
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG22	11	0.14
(1,10642)	1:557:A:ALA:HB2	1:561:A:VAL:HG23	11	0.14
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG21	11	0.14
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG22	11	0.14
(1,10642)	1:557:A:ALA:HB3	1:561:A:VAL:HG23	11	0.14
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	6	0.14
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	6	0.14
(1,10587)	1:555:A:ALA:H	1:558:A:GLY:H	15	0.14
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG21	19	0.14
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG22	19	0.14
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG23	19	0.14
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG21	14	0.14
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG22	14	0.14
(1,10551)	1:554:A:PHE:HA	1:564:A:VAL:HG23	14	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG11	2	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG12	2	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG13	2	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG11	2	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG12	2	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG13	2	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG11	14	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG12	14	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG13	14	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG11	14	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG12	14	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG13	14	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG11	18	0.14
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG12	18	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG13	18	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG11	18	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG12	18	0.14
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG13	18	0.14
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD21	6	0.14
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD22	6	0.14
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD23	6	0.14
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE1	7	0.14
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE2	7	0.14
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE1	7	0.14
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE2	7	0.14
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG21	2	0.14
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG22	2	0.14
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG23	2	0.14
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG21	2	0.14
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG22	2	0.14
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG23	2	0.14
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG21	5	0.14
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG22	5	0.14
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG23	5	0.14
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG21	5	0.14
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG22	5	0.14
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG23	5	0.14
(1,10390)	1:547:A:SER:H	1:550:A:MET:HB3	18	0.14
(1,10390)	1:547:A:SER:H	1:550:A:MET:HB2	18	0.14
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	7	0.14
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	7	0.14
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	7	0.14
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	7	0.14
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	15	0.14
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	15	0.14
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	15	0.14
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	15	0.14
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	20	0.14
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	20	0.14
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	20	0.14
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	20	0.14
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	9	0.14
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	9	0.14
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	9	0.14
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	11	0.14
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	11	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	11	0.14
(1,10305)	1:545:A:GLU:HA	1:604:A:GLU:HG3	16	0.14
(1,10305)	1:545:A:GLU:HA	1:604:A:GLU:HG2	16	0.14
(1,10248)	1:541:A:THR:HG21	1:542:A:ASP:H	7	0.14
(1,10248)	1:541:A:THR:HG22	1:542:A:ASP:H	7	0.14
(1,10248)	1:541:A:THR:HG23	1:542:A:ASP:H	7	0.14
(1,9532)	1:518:A:LEU:HD11	1:519:A:LEU:HA	8	0.14
(1,9532)	1:518:A:LEU:HD12	1:519:A:LEU:HA	8	0.14
(1,9532)	1:518:A:LEU:HD13	1:519:A:LEU:HA	8	0.14
(1,8997)	1:500:A:SER:HB3	1:502:A:LYS:H	17	0.14
(1,8997)	1:500:A:SER:HB2	1:502:A:LYS:H	17	0.14
(1,8970)	1:499:A:GLU:H	1:500:A:SER:H	19	0.14
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG3	4	0.14
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG2	4	0.14
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG3	15	0.14
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG2	15	0.14
(1,8950)	1:498:A:ASP:HA	1:532:A:LEU:HD11	5	0.14
(1,8934)	1:497:A:VAL:HG21	1:501:A:ALA:HA	7	0.14
(1,8905)	1:497:A:VAL:HA	1:532:A:LEU:HD11	13	0.14
(1,8905)	1:497:A:VAL:HA	1:532:A:LEU:HD12	13	0.14
(1,8905)	1:497:A:VAL:HA	1:532:A:LEU:HD13	13	0.14
(1,8900)	1:497:A:VAL:HB	1:532:A:LEU:HA	13	0.14
(1,8638)	1:456:A:GLU:HG3	1:458:A:LEU:H	9	0.14
(1,8638)	1:456:A:GLU:HG2	1:458:A:LEU:H	9	0.14
(1,8607)	1:451:A:ARG:H	1:457:A:VAL:HG21	14	0.14
(1,8607)	1:451:A:ARG:H	1:457:A:VAL:HG22	14	0.14
(1,8607)	1:451:A:ARG:H	1:457:A:VAL:HG23	14	0.14
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG11	10	0.14
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG12	10	0.14
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG13	10	0.14
(1,8407)	1:434:A:THR:HA	1:465:A:ASP:HB3	16	0.14
(1,8407)	1:434:A:THR:HA	1:465:A:ASP:HB2	16	0.14
(1,8327)	1:430:A:ILE:HD11	1:479:A:PRO:HA	5	0.14
(1,8327)	1:430:A:ILE:HD12	1:479:A:PRO:HA	5	0.14
(1,8327)	1:430:A:ILE:HD13	1:479:A:PRO:HA	5	0.14
(1,8291)	1:428:A:GLU:HA	1:478:A:LYS:HA	15	0.14
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE21	1	0.14
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE22	1	0.14
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE3	15	0.14
(1,8046)	1:408:A:ASP:HA	1:442:A:LYS:HE2	15	0.14
(1,8025)	1:406:A:HIS:HA	1:456:A:GLU:HG3	5	0.14
(1,8025)	1:406:A:HIS:HA	1:456:A:GLU:HG2	5	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7941)	1:403:A:ALA:HA	1:414:A:VAL:HB	4	0.14
(1,7507)	1:375:A:TRP:HH2	1:383:A:LYS:HG3	1	0.14
(1,7507)	1:375:A:TRP:HH2	1:383:A:LYS:HG2	1	0.14
(1,7493)	1:375:A:TRP:HZ2	1:402:A:PHE:HA	3	0.14
(1,7439)	1:372:A:GLN:HE21	1:376:A:GLN:HE21	4	0.14
(1,7439)	1:372:A:GLN:HE21	1:376:A:GLN:HE22	4	0.14
(1,7439)	1:372:A:GLN:HE22	1:376:A:GLN:HE21	4	0.14
(1,7439)	1:372:A:GLN:HE22	1:376:A:GLN:HE22	4	0.14
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD11	1	0.14
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD12	1	0.14
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD13	1	0.14
(1,6673)	1:314:A:MET:HA	1:349:A:ARG:HG3	1	0.14
(1,6673)	1:314:A:MET:HA	1:349:A:ARG:HG2	1	0.14
(1,6515)	1:302:A:GLN:HG3	1:328:A:SER:HA	14	0.14
(1,6515)	1:302:A:GLN:HG2	1:328:A:SER:HA	14	0.14
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD3	12	0.14
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD2	12	0.14
(1,6307)	1:297:A:LEU:HD21	1:322:A:ARG:HA	12	0.14
(1,6307)	1:297:A:LEU:HD22	1:322:A:ARG:HA	12	0.14
(1,6307)	1:297:A:LEU:HD23	1:322:A:ARG:HA	12	0.14
(1,6248)	1:294:A:LYS:H	1:295:A:HIS:H	11	0.14
(1,6248)	1:294:A:LYS:H	1:295:A:HIS:H	13	0.14
(1,6122)	1:283:A:GLN:HG3	1:284:A:ALA:H	2	0.14
(1,6122)	1:283:A:GLN:HG2	1:284:A:ALA:H	2	0.14
(1,5841)	1:268:A:VAL:HB	1:272:A:GLN:HB3	18	0.14
(1,5841)	1:268:A:VAL:HB	1:272:A:GLN:HB2	18	0.14
(1,5834)	1:268:A:VAL:HB	1:274:A:TYR:H	1	0.14
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD21	12	0.14
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD22	12	0.14
(1,5631)	1:257:A:PHE:H	1:258:A:ASN:H	2	0.14
(1,5631)	1:257:A:PHE:H	1:258:A:ASN:H	5	0.14
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	1	0.14
(1,5526)	1:250:A:TYR:HB3	1:263:A:TRP:HE3	18	0.14
(1,5109)	1:222:A:ILE:HB	1:223:A:SER:HA	11	0.14
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD3	4	0.14
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD2	4	0.14
(1,4364)	1:194:A:ARG:HH21	1:212:A:LYS:HB3	18	0.14
(1,4364)	1:194:A:ARG:HH21	1:212:A:LYS:HB2	18	0.14
(1,4364)	1:194:A:ARG:HH22	1:212:A:LYS:HB3	18	0.14
(1,4364)	1:194:A:ARG:HH22	1:212:A:LYS:HB2	18	0.14
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB3	17	0.14
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB2	17	0.14

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB3	17	0.14
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB2	17	0.14
(1,3555)	1:141:A:THR:HG21	1:153:A:PHE:H	20	0.14
(1,3555)	1:141:A:THR:HG22	1:153:A:PHE:H	20	0.14
(1,3555)	1:141:A:THR:HG23	1:153:A:PHE:H	20	0.14
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	9	0.14
(1,2742)	1:106:A:LEU:HD11	1:109:A:LEU:H	16	0.14
(1,2742)	1:106:A:LEU:HD12	1:109:A:LEU:H	16	0.14
(1,2742)	1:106:A:LEU:HD13	1:109:A:LEU:H	16	0.14
(1,2701)	1:105:A:PHE:HD2	1:110:A:GLY:H	8	0.14
(1,2630)	1:102:A:THR:HG21	1:117:A:SER:HA	20	0.14
(1,2630)	1:102:A:THR:HG22	1:117:A:SER:HA	20	0.14
(1,2630)	1:102:A:THR:HG23	1:117:A:SER:HA	20	0.14
(1,2629)	1:102:A:THR:HB	1:117:A:SER:HA	10	0.14
(1,2401)	1:93:A:HIS:HB3	1:119:A:LEU:HA	5	0.14
(1,2401)	1:93:A:HIS:HB2	1:119:A:LEU:HA	5	0.14
(1,2116)	1:85:A:MET:HE1	1:174:A:THR:HB	6	0.14
(1,2116)	1:85:A:MET:HE2	1:174:A:THR:HB	6	0.14
(1,2116)	1:85:A:MET:HE3	1:174:A:THR:HB	6	0.14
(1,2109)	1:84:A:GLY:HA3	1:141:A:THR:HB	5	0.14
(1,2109)	1:84:A:GLY:HA2	1:141:A:THR:HB	5	0.14
(1,1981)	1:79:A:SER:HB2	1:224:A:TRP:HH2	11	0.14
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	2	0.14
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	17	0.14
(1,1481)	1:66:A:ARG:HH11	1:222:A:ILE:HG23	11	0.14
(1,1481)	1:66:A:ARG:HH12	1:222:A:ILE:HG23	11	0.14
(1,1163)	1:51:A:LEU:HA	1:54:A:PRO:HG3	11	0.14
(1,1163)	1:51:A:LEU:HA	1:54:A:PRO:HG2	11	0.14
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	14	0.14
(1,468)	1:32:A:LEU:HG	1:193:A:VAL:HG12	13	0.14
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	16	0.14
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	16	0.14
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	16	0.14
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	17	0.14
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	17	0.14
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	17	0.14
(1,95)	1:19:A:LEU:HA	1:257:A:PHE:HZ	3	0.14
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	19	0.13
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	19	0.13
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	19	0.13
(1,24208)	1:314:B:MET:HE1	2:83:C:TYR:HE2	20	0.13
(1,24208)	1:314:B:MET:HE2	2:83:C:TYR:HE2	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24208)	1:314:B:MET:HE3	2:83:C:TYR:HE2	20	0.13
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD21	7	0.13
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD22	7	0.13
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD23	7	0.13
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD21	7	0.13
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD22	7	0.13
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD23	7	0.13
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD21	7	0.13
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD22	7	0.13
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD23	7	0.13
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD21	20	0.13
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD22	20	0.13
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD23	20	0.13
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD21	20	0.13
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD22	20	0.13
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD23	20	0.13
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD21	20	0.13
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD22	20	0.13
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD23	20	0.13
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD21	17	0.13
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD22	17	0.13
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD23	17	0.13
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD21	17	0.13
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD22	17	0.13
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD23	17	0.13
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD21	17	0.13
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD22	17	0.13
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD23	17	0.13
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD21	3	0.13
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD22	3	0.13
(1,24199)	1:469:A:MET:HE1	2:17:C:LEU:HD23	3	0.13
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD21	3	0.13
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD22	3	0.13
(1,24199)	1:469:A:MET:HE2	2:17:C:LEU:HD23	3	0.13
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD21	3	0.13
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD22	3	0.13
(1,24199)	1:469:A:MET:HE3	2:17:C:LEU:HD23	3	0.13
(1,24196)	1:457:A:VAL:HG21	2:6:C:LEU:HD21	3	0.13
(1,24196)	1:457:A:VAL:HG21	2:6:C:LEU:HD22	3	0.13
(1,24196)	1:457:A:VAL:HG21	2:6:C:LEU:HD23	3	0.13
(1,24196)	1:457:A:VAL:HG22	2:6:C:LEU:HD21	3	0.13
(1,24196)	1:457:A:VAL:HG22	2:6:C:LEU:HD22	3	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24196)	1:457:A:VAL:HG22	2:6:C:LEU:HD23	3	0.13
(1,24196)	1:457:A:VAL:HG23	2:6:C:LEU:HD21	3	0.13
(1,24196)	1:457:A:VAL:HG23	2:6:C:LEU:HD22	3	0.13
(1,24196)	1:457:A:VAL:HG23	2:6:C:LEU:HD23	3	0.13
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD11	11	0.13
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD12	11	0.13
(1,24192)	1:460:A:LEU:HD21	2:17:C:LEU:HD13	11	0.13
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD11	11	0.13
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD12	11	0.13
(1,24192)	1:460:A:LEU:HD22	2:17:C:LEU:HD13	11	0.13
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD11	11	0.13
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD12	11	0.13
(1,24192)	1:460:A:LEU:HD23	2:17:C:LEU:HD13	11	0.13
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	5	0.13
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	5	0.13
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	5	0.13
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB1	4	0.13
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB2	4	0.13
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB3	4	0.13
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB1	4	0.13
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB2	4	0.13
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB3	4	0.13
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB1	4	0.13
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB2	4	0.13
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB3	4	0.13
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD11	1	0.13
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD12	1	0.13
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD13	1	0.13
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD11	1	0.13
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD12	1	0.13
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD13	1	0.13
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD11	1	0.13
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD12	1	0.13
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD13	1	0.13
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD21	10	0.13
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD22	10	0.13
(1,24175)	1:318:A:LEU:HD21	2:28:C:LEU:HD23	10	0.13
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD21	10	0.13
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD22	10	0.13
(1,24175)	1:318:A:LEU:HD22	2:28:C:LEU:HD23	10	0.13
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD21	10	0.13
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD22	10	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24175)	1:318:A:LEU:HD23	2:28:C:LEU:HD23	10	0.13
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	19	0.13
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	19	0.13
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	19	0.13
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	19	0.13
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	19	0.13
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	19	0.13
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	19	0.13
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	19	0.13
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	19	0.13
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD11	12	0.13
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD12	12	0.13
(1,24161)	1:405:A:THR:HG21	2:7:C:ILE:HD13	12	0.13
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD11	12	0.13
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD12	12	0.13
(1,24161)	1:405:A:THR:HG22	2:7:C:ILE:HD13	12	0.13
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD11	12	0.13
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD12	12	0.13
(1,24161)	1:405:A:THR:HG23	2:7:C:ILE:HD13	12	0.13
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB1	12	0.13
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB2	12	0.13
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB3	12	0.13
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB1	12	0.13
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB2	12	0.13
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB3	12	0.13
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB1	12	0.13
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB2	12	0.13
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB3	12	0.13
(1,23771)	1:602:B:LEU:HD11	1:607:B:THR:HA	8	0.13
(1,23771)	1:602:B:LEU:HD12	1:607:B:THR:HA	8	0.13
(1,23771)	1:602:B:LEU:HD13	1:607:B:THR:HA	8	0.13
(1,23667)	1:599:B:GLN:HE21	1:618:B:MET:HB3	19	0.13
(1,23667)	1:599:B:GLN:HE21	1:618:B:MET:HB2	19	0.13
(1,23667)	1:599:B:GLN:HE22	1:618:B:MET:HB3	19	0.13
(1,23667)	1:599:B:GLN:HE22	1:618:B:MET:HB2	19	0.13
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	18	0.13
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	18	0.13
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG3	15	0.13
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG2	15	0.13
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG3	15	0.13
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG2	15	0.13
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	4	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	4	0.13
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	15	0.13
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	15	0.13
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	16	0.13
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	16	0.13
(1,22680)	1:556:B:ALA:HA	1:562:B:PRO:HG3	13	0.13
(1,22680)	1:556:B:ALA:HA	1:562:B:PRO:HG2	13	0.13
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	2	0.13
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	2	0.13
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	2	0.13
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	2	0.13
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	2	0.13
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	2	0.13
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG21	8	0.13
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG22	8	0.13
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG23	8	0.13
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG21	9	0.13
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG22	9	0.13
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG23	9	0.13
(1,22602)	1:552:B:LYS:H	1:553:B:LEU:HD21	17	0.13
(1,22602)	1:552:B:LYS:H	1:553:B:LEU:HD22	17	0.13
(1,22602)	1:552:B:LYS:H	1:553:B:LEU:HD23	17	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	5	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	5	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	5	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	5	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	5	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	5	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	7	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	7	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	7	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	7	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	7	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	7	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	8	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	8	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	8	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	8	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	8	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	8	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	17	0.13
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	17	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	17	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	17	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	17	0.13
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	17	0.13
(1,22566)	1:551:B:ALA:H	1:553:B:LEU:HD21	17	0.13
(1,22566)	1:551:B:ALA:H	1:553:B:LEU:HD22	17	0.13
(1,22566)	1:551:B:ALA:H	1:553:B:LEU:HD23	17	0.13
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB3	16	0.13
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB2	16	0.13
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	7	0.13
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	7	0.13
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	7	0.13
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	7	0.13
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD11	16	0.13
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD12	16	0.13
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD13	16	0.13
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD11	16	0.13
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD12	16	0.13
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD13	16	0.13
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD11	16	0.13
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD12	16	0.13
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD13	16	0.13
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD11	18	0.13
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD12	18	0.13
(1,22428)	1:546:B:MET:HE1	1:553:B:LEU:HD13	18	0.13
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD11	18	0.13
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD12	18	0.13
(1,22428)	1:546:B:MET:HE2	1:553:B:LEU:HD13	18	0.13
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD11	18	0.13
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD12	18	0.13
(1,22428)	1:546:B:MET:HE3	1:553:B:LEU:HD13	18	0.13
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	1	0.13
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	1	0.13
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	1	0.13
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	6	0.13
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	6	0.13
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	6	0.13
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	7	0.13
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	7	0.13
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	7	0.13
(1,22207)	1:539:B:VAL:H	1:603:B:ALA:HB3	5	0.13
(1,22183)	1:538:B:ILE:H	1:568:B:PHE:HZ	8	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21944)	1:529:B:THR:HB	1:531:B:ARG:HD3	1	0.13
(1,21944)	1:529:B:THR:HB	1:531:B:ARG:HD2	1	0.13
(1,21727)	1:523:B:VAL:HA	1:560:B:LYS:HE3	4	0.13
(1,21727)	1:523:B:VAL:HA	1:560:B:LYS:HE2	4	0.13
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD21	20	0.13
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD22	20	0.13
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD23	20	0.13
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD21	20	0.13
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD22	20	0.13
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD23	20	0.13
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD21	20	0.13
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD22	20	0.13
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD23	20	0.13
(1,21660)	1:520:B:GLY:HA3	1:521:B:GLU:HG3	13	0.13
(1,21660)	1:520:B:GLY:HA3	1:521:B:GLU:HG2	13	0.13
(1,21660)	1:520:B:GLY:HA2	1:521:B:GLU:HG3	13	0.13
(1,21660)	1:520:B:GLY:HA2	1:521:B:GLU:HG2	13	0.13
(1,21548)	1:516:B:LYS:HE3	1:520:B:GLY:HA3	11	0.13
(1,21548)	1:516:B:LYS:HE3	1:520:B:GLY:HA2	11	0.13
(1,21548)	1:516:B:LYS:HE2	1:520:B:GLY:HA3	11	0.13
(1,21548)	1:516:B:LYS:HE2	1:520:B:GLY:HA2	11	0.13
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG21	14	0.13
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG22	14	0.13
(1,21228)	1:507:B:ALA:H	1:509:B:THR:HG23	14	0.13
(1,21060)	1:500:B:SER:HB3	1:572:B:PRO:HD3	4	0.13
(1,21060)	1:500:B:SER:HB2	1:572:B:PRO:HD3	4	0.13
(1,21028)	1:498:B:ASP:HA	1:532:B:LEU:HD11	12	0.13
(1,20926)	1:481:B:GLN:HE21	1:482:B:SER:H	2	0.13
(1,20926)	1:481:B:GLN:HE22	1:482:B:SER:H	2	0.13
(1,20858)	1:472:B:LEU:HD21	1:474:B:GLU:H	7	0.13
(1,20858)	1:472:B:LEU:HD22	1:474:B:GLU:H	7	0.13
(1,20858)	1:472:B:LEU:HD23	1:474:B:GLU:H	7	0.13
(1,20828)	1:469:B:MET:HE1	1:473:B:THR:HA	19	0.13
(1,20828)	1:469:B:MET:HE2	1:473:B:THR:HA	19	0.13
(1,20828)	1:469:B:MET:HE3	1:473:B:THR:HA	19	0.13
(1,20827)	1:469:B:MET:HE1	1:473:B:THR:H	10	0.13
(1,20827)	1:469:B:MET:HE2	1:473:B:THR:H	10	0.13
(1,20827)	1:469:B:MET:HE3	1:473:B:THR:H	10	0.13
(1,20653)	1:448:B:GLU:HA	1:451:B:ARG:H	9	0.13
(1,20574)	1:441:B:ALA:HA	1:444:B:SER:HB3	10	0.13
(1,20574)	1:441:B:ALA:HA	1:444:B:SER:HB2	10	0.13
(1,20506)	1:436:B:ASP:HA	1:463:B:ARG:HA	11	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20482)	1:434:B:THR:H	1:482:B:SER:HA	10	0.13
(1,20362)	1:427:B:GLN:HG3	1:429:B:LYS:H	11	0.13
(1,20362)	1:427:B:GLN:HG2	1:429:B:LYS:H	11	0.13
(1,20341)	1:424:B:LYS:HB3	1:425:B:GLU:HG3	17	0.13
(1,20341)	1:424:B:LYS:HB3	1:425:B:GLU:HG2	17	0.13
(1,20341)	1:424:B:LYS:HB2	1:425:B:GLU:HG3	17	0.13
(1,20341)	1:424:B:LYS:HB2	1:425:B:GLU:HG2	17	0.13
(1,20327)	1:424:B:LYS:HG3	1:456:B:GLU:H	11	0.13
(1,20327)	1:424:B:LYS:HG2	1:456:B:GLU:H	11	0.13
(1,20276)	1:420:B:VAL:HG11	1:478:B:LYS:HE3	1	0.13
(1,20276)	1:420:B:VAL:HG11	1:478:B:LYS:HE2	1	0.13
(1,20276)	1:420:B:VAL:HG12	1:478:B:LYS:HE3	1	0.13
(1,20276)	1:420:B:VAL:HG12	1:478:B:LYS:HE2	1	0.13
(1,20276)	1:420:B:VAL:HG13	1:478:B:LYS:HE3	1	0.13
(1,20276)	1:420:B:VAL:HG13	1:478:B:LYS:HE2	1	0.13
(1,20266)	1:419:B:TYR:HA	1:422:B:ARG:HD3	8	0.13
(1,20266)	1:419:B:TYR:HA	1:422:B:ARG:HD2	8	0.13
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG3	20	0.13
(1,20236)	1:418:B:ASP:HA	1:422:B:ARG:HG2	20	0.13
(1,20198)	1:416:B:LEU:HB3	1:475:B:PHE:HZ	10	0.13
(1,20198)	1:416:B:LEU:HB2	1:475:B:PHE:HZ	10	0.13
(1,20019)	1:403:B:ALA:HA	1:414:B:VAL:HB	11	0.13
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD11	19	0.13
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD12	19	0.13
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD13	19	0.13
(1,19871)	1:394:B:GLU:HG3	1:398:B:LYS:HD3	16	0.13
(1,19871)	1:394:B:GLU:HG3	1:398:B:LYS:HD2	16	0.13
(1,19871)	1:394:B:GLU:HG2	1:398:B:LYS:HD3	16	0.13
(1,19871)	1:394:B:GLU:HG2	1:398:B:LYS:HD2	16	0.13
(1,19859)	1:393:B:GLN:HA	1:396:B:ILE:HB	5	0.13
(1,19824)	1:390:B:PHE:HA	1:396:B:ILE:HD11	1	0.13
(1,19824)	1:390:B:PHE:HA	1:396:B:ILE:HD12	1	0.13
(1,19824)	1:390:B:PHE:HA	1:396:B:ILE:HD13	1	0.13
(1,19765)	1:386:B:PRO:HB3	1:472:B:LEU:HB3	16	0.13
(1,19765)	1:386:B:PRO:HB3	1:472:B:LEU:HB2	16	0.13
(1,19765)	1:386:B:PRO:HB2	1:472:B:LEU:HB3	16	0.13
(1,19765)	1:386:B:PRO:HB2	1:472:B:LEU:HB2	16	0.13
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	8	0.13
(1,19737)	1:384:B:GLU:HA	1:467:B:TRP:HE3	7	0.13
(1,19686)	1:382:B:LEU:HD11	1:399:B:LEU:H	1	0.13
(1,19686)	1:382:B:LEU:HD12	1:399:B:LEU:H	1	0.13
(1,19686)	1:382:B:LEU:HD13	1:399:B:LEU:H	1	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19655)	1:380:B:LEU:HD21	1:462:B:ASP:HB3	8	0.13
(1,19655)	1:380:B:LEU:HD21	1:462:B:ASP:HB2	8	0.13
(1,19655)	1:380:B:LEU:HD22	1:462:B:ASP:HB3	8	0.13
(1,19655)	1:380:B:LEU:HD22	1:462:B:ASP:HB2	8	0.13
(1,19655)	1:380:B:LEU:HD23	1:462:B:ASP:HB3	8	0.13
(1,19655)	1:380:B:LEU:HD23	1:462:B:ASP:HB2	8	0.13
(1,19650)	1:380:B:LEU:HD22	1:464:B:ILE:H	1	0.13
(1,19606)	1:376:B:GLN:HA	1:412:B:GLN:HE21	18	0.13
(1,19606)	1:376:B:GLN:HA	1:412:B:GLN:HE22	18	0.13
(1,19594)	1:375:B:TRP:HZ2	1:379:B:GLY:HA3	20	0.13
(1,19594)	1:375:B:TRP:HZ2	1:379:B:GLY:HA2	20	0.13
(1,19518)	1:372:B:GLN:HG3	1:376:B:GLN:HE21	8	0.13
(1,19518)	1:372:B:GLN:HG3	1:376:B:GLN:HE22	8	0.13
(1,19518)	1:372:B:GLN:HG2	1:376:B:GLN:HE21	8	0.13
(1,19518)	1:372:B:GLN:HG2	1:376:B:GLN:HE22	8	0.13
(1,19351)	1:361:B:GLU:HG2	1:401:B:ARG:HH22	3	0.13
(1,19203)	1:351:B:ALA:HA	1:355:B:ARG:HD3	19	0.13
(1,19203)	1:351:B:ALA:HA	1:355:B:ARG:HD2	19	0.13
(1,19160)	1:347:B:ASN:HA	1:350:B:ASN:HD21	15	0.13
(1,19160)	1:347:B:ASN:HA	1:350:B:ASN:HD22	15	0.13
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG21	13	0.13
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG22	13	0.13
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG23	13	0.13
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG21	13	0.13
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG22	13	0.13
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG23	13	0.13
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG21	13	0.13
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG22	13	0.13
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG23	13	0.13
(1,18796)	1:316:B:ASN:HA	1:319:B:ARG:HB3	18	0.13
(1,18796)	1:316:B:ASN:HA	1:319:B:ARG:HB2	18	0.13
(1,18792)	1:316:B:ASN:HB3	1:388:B:GLU:HG3	17	0.13
(1,18792)	1:316:B:ASN:HB3	1:388:B:GLU:HG2	17	0.13
(1,18792)	1:316:B:ASN:HB2	1:388:B:GLU:HG3	17	0.13
(1,18792)	1:316:B:ASN:HB2	1:388:B:GLU:HG2	17	0.13
(1,18781)	1:315:B:PRO:HG3	1:319:B:ARG:H	5	0.13
(1,18781)	1:315:B:PRO:HG2	1:319:B:ARG:H	5	0.13
(1,18776)	1:315:B:PRO:HA	1:349:B:ARG:HD3	7	0.13
(1,18776)	1:315:B:PRO:HA	1:349:B:ARG:HD2	7	0.13
(1,18689)	1:312:B:GLN:HA	1:345:B:THR:HG21	12	0.13
(1,18689)	1:312:B:GLN:HA	1:345:B:THR:HG22	12	0.13
(1,18689)	1:312:B:GLN:HA	1:345:B:THR:HG23	12	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18335)	1:295:B:HIS:HE1	1:316:B:ASN:HD21	9	0.13
(1,18335)	1:295:B:HIS:HE1	1:316:B:ASN:HD22	9	0.13
(1,18326)	1:294:B:LYS:H	1:295:B:HIS:H	7	0.13
(1,18293)	1:289:B:TRP:HZ2	1:380:B:LEU:HB3	12	0.13
(1,18293)	1:289:B:TRP:HZ2	1:380:B:LEU:HB2	12	0.13
(1,18231)	1:285:B:PRO:HG3	1:288:B:MET:HE1	3	0.13
(1,18231)	1:285:B:PRO:HG3	1:288:B:MET:HE2	3	0.13
(1,18231)	1:285:B:PRO:HG3	1:288:B:MET:HE3	3	0.13
(1,18231)	1:285:B:PRO:HG2	1:288:B:MET:HE1	3	0.13
(1,18231)	1:285:B:PRO:HG2	1:288:B:MET:HE2	3	0.13
(1,18231)	1:285:B:PRO:HG2	1:288:B:MET:HE3	3	0.13
(1,18227)	1:285:B:PRO:HG3	1:288:B:MET:H	1	0.13
(1,18227)	1:285:B:PRO:HG2	1:288:B:MET:H	1	0.13
(1,18200)	1:283:B:GLN:HG3	1:284:B:ALA:H	9	0.13
(1,18200)	1:283:B:GLN:HG2	1:284:B:ALA:H	9	0.13
(1,18029)	1:276:B:SER:HB3	1:325:B:ILE:HA	5	0.13
(1,18029)	1:276:B:SER:HB2	1:325:B:ILE:HA	5	0.13
(1,17950)	1:272:B:GLN:HB3	1:348:B:LEU:HD21	4	0.13
(1,17950)	1:272:B:GLN:HB3	1:348:B:LEU:HD22	4	0.13
(1,17950)	1:272:B:GLN:HB3	1:348:B:LEU:HD23	4	0.13
(1,17950)	1:272:B:GLN:HB2	1:348:B:LEU:HD21	4	0.13
(1,17950)	1:272:B:GLN:HB2	1:348:B:LEU:HD22	4	0.13
(1,17950)	1:272:B:GLN:HB2	1:348:B:LEU:HD23	4	0.13
(1,17906)	1:268:B:VAL:HG11	1:276:B:SER:H	5	0.13
(1,17906)	1:268:B:VAL:HG12	1:276:B:SER:H	5	0.13
(1,17906)	1:268:B:VAL:HG13	1:276:B:SER:H	5	0.13
(1,17906)	1:268:B:VAL:HG11	1:276:B:SER:H	10	0.13
(1,17906)	1:268:B:VAL:HG12	1:276:B:SER:H	10	0.13
(1,17906)	1:268:B:VAL:HG13	1:276:B:SER:H	10	0.13
(1,17812)	1:263:B:TRP:HZ3	1:370:B:LYS:HZ3	1	0.13
(1,17789)	1:262:B:THR:HB	1:370:B:LYS:HD3	11	0.13
(1,17789)	1:262:B:THR:HB	1:370:B:LYS:HD2	11	0.13
(1,17714)	1:258:B:ASN:HD21	1:283:B:GLN:HB3	9	0.13
(1,17714)	1:258:B:ASN:HD21	1:283:B:GLN:HB2	9	0.13
(1,17714)	1:258:B:ASN:HD22	1:283:B:GLN:HB3	9	0.13
(1,17714)	1:258:B:ASN:HD22	1:283:B:GLN:HB2	9	0.13
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD11	9	0.13
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD12	9	0.13
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD13	9	0.13
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD11	16	0.13
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD12	16	0.13
(1,17429)	1:238:B:LYS:HA	1:241:B:ILE:HD13	16	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17039)	1:213:B:ARG:HG3	1:221:B:VAL:H	11	0.13
(1,17039)	1:213:B:ARG:HG2	1:221:B:VAL:H	11	0.13
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	4	0.13
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	4	0.13
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	16	0.13
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	16	0.13
(1,16742)	1:204:B:ILE:H	1:230:B:ALA:HA	1	0.13
(1,16741)	1:204:B:ILE:H	1:230:B:ALA:H	8	0.13
(1,16576)	1:198:B:SER:HA	1:201:B:SER:H	1	0.13
(1,16369)	1:191:B:TRP:HE1	1:192:B:ARG:HA	11	0.13
(1,16369)	1:191:B:TRP:HE1	1:192:B:ARG:HA	18	0.13
(1,16260)	1:186:B:GLU:HA	1:191:B:TRP:HZ2	6	0.13
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	5	0.13
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	5	0.13
(1,15932)	1:155:B:GLU:HB3	1:163:B:THR:HB	12	0.13
(1,15932)	1:155:B:GLU:HB2	1:163:B:THR:HB	12	0.13
(1,15768)	1:148:B:PRO:HB3	1:170:B:GLU:HA	10	0.13
(1,15768)	1:148:B:PRO:HB2	1:170:B:GLU:HA	10	0.13
(1,15692)	1:142:B:ARG:HG3	1:146:B:GLU:HB3	5	0.13
(1,15692)	1:142:B:ARG:HG3	1:146:B:GLU:HB2	5	0.13
(1,15692)	1:142:B:ARG:HG2	1:146:B:GLU:HB3	5	0.13
(1,15692)	1:142:B:ARG:HG2	1:146:B:GLU:HB2	5	0.13
(1,15692)	1:142:B:ARG:HG3	1:146:B:GLU:HB3	13	0.13
(1,15692)	1:142:B:ARG:HG3	1:146:B:GLU:HB2	13	0.13
(1,15692)	1:142:B:ARG:HG2	1:146:B:GLU:HB3	13	0.13
(1,15692)	1:142:B:ARG:HG2	1:146:B:GLU:HB2	13	0.13
(1,15406)	1:136:B:LYS:HA	1:157:B:ALA:HA	5	0.13
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	8	0.13
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	17	0.13
(1,14920)	1:113:B:GLN:HB3	1:116:B:ASP:H	13	0.13
(1,14920)	1:113:B:GLN:HB2	1:116:B:ASP:H	13	0.13
(1,14897)	1:111:B:SER:H	1:114:B:ALA:H	5	0.13
(1,14868)	1:109:B:LEU:H	1:112:B:ASP:H	19	0.13
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB3	11	0.13
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB2	11	0.13
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB3	11	0.13
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB2	11	0.13
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB3	11	0.13
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB2	11	0.13
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	2	0.13
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	2	0.13
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	2	0.13
(1,14838)	1:107:B:GLU:HA	1:113:B:GLN:HE21	16	0.13
(1,14838)	1:107:B:GLU:HA	1:113:B:GLN:HE22	16	0.13
(1,14779)	1:105:B:PHE:HD2	1:110:B:GLY:H	19	0.13
(1,14708)	1:102:B:THR:HG21	1:117:B:SER:HA	13	0.13
(1,14708)	1:102:B:THR:HG22	1:117:B:SER:HA	13	0.13
(1,14708)	1:102:B:THR:HG23	1:117:B:SER:HA	13	0.13
(1,14539)	1:94:B:LEU:HA	1:97:B:ILE:HD11	2	0.13
(1,14539)	1:94:B:LEU:HA	1:97:B:ILE:HD12	2	0.13
(1,14539)	1:94:B:LEU:HA	1:97:B:ILE:HD13	2	0.13
(1,13913)	1:75:B:THR:HB	1:178:B:LEU:H	4	0.13
(1,13815)	1:70:B:ASP:HA	1:71:B:LYS:HG3	13	0.13
(1,13815)	1:70:B:ASP:HA	1:71:B:LYS:HG2	13	0.13
(1,13695)	1:68:B:SER:HA	1:210:B:ILE:HD11	4	0.13
(1,13695)	1:68:B:SER:HA	1:210:B:ILE:HD11	7	0.13
(1,13561)	1:66:B:ARG:HB2	1:211:B:GLU:HB2	20	0.13
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	3	0.13
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	3	0.13
(1,13437)	1:64:B:ARG:HG3	1:209:B:GLU:HG3	9	0.13
(1,13437)	1:64:B:ARG:HG3	1:209:B:GLU:HG2	9	0.13
(1,13437)	1:64:B:ARG:HG2	1:209:B:GLU:HG3	9	0.13
(1,13437)	1:64:B:ARG:HG2	1:209:B:GLU:HG2	9	0.13
(1,13133)	1:48:B:PHE:HZ	1:307:B:MET:HB2	14	0.13
(1,13129)	1:48:B:PHE:HE1	1:334:B:VAL:HG11	4	0.13
(1,13129)	1:48:B:PHE:HE1	1:334:B:VAL:HG11	11	0.13
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE1	3	0.13
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE2	3	0.13
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE1	3	0.13
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE2	3	0.13
(1,12546)	1:32:B:LEU:HG	1:193:B:VAL:HG12	8	0.13
(1,12450)	1:30:B:ILE:HG21	1:129:B:SER:HB3	7	0.13
(1,12450)	1:30:B:ILE:HG21	1:129:B:SER:HB2	7	0.13
(1,12450)	1:30:B:ILE:HG22	1:129:B:SER:HB3	7	0.13
(1,12450)	1:30:B:ILE:HG22	1:129:B:SER:HB2	7	0.13
(1,12450)	1:30:B:ILE:HG23	1:129:B:SER:HB3	7	0.13
(1,12450)	1:30:B:ILE:HG23	1:129:B:SER:HB2	7	0.13
(1,12377)	1:28:B:LYS:HA	1:187:B:PHE:HZ	10	0.13
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	17	0.13
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	17	0.13
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	17	0.13
(1,12153)	1:18:B:HIS:HB3	1:257:B:PHE:HE1	18	0.13
(1,12153)	1:18:B:HIS:HB2	1:257:B:PHE:HE1	18	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12080)	1:15:B:GLN:HA	1:286:B:TRP:HD1	13	0.13
(1,12080)	1:15:B:GLN:HA	1:286:B:TRP:HD1	16	0.13
(1,12080)	1:15:B:GLN:HA	1:286:B:TRP:HD1	18	0.13
(1,11594)	1:599:A:GLN:HG3	1:614:A:PHE:HZ	8	0.13
(1,11594)	1:599:A:GLN:HG2	1:614:A:PHE:HZ	8	0.13
(1,11593)	1:599:A:GLN:HE21	1:614:A:PHE:HZ	17	0.13
(1,11593)	1:599:A:GLN:HE22	1:614:A:PHE:HZ	17	0.13
(1,11592)	1:599:A:GLN:HB3	1:614:A:PHE:HZ	16	0.13
(1,11592)	1:599:A:GLN:HB2	1:614:A:PHE:HZ	16	0.13
(1,11132)	1:580:A:ALA:HA	1:592:A:TRP:HE1	16	0.13
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD21	6	0.13
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD22	6	0.13
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD23	6	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	2	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	2	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	2	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	4	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	4	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	4	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	11	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	11	0.13
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	11	0.13
(1,10689)	1:560:A:LYS:HE3	1:566:A:TYR:H	19	0.13
(1,10689)	1:560:A:LYS:HE2	1:566:A:TYR:H	19	0.13
(1,10679)	1:559:A:GLN:HG3	1:560:A:LYS:H	10	0.13
(1,10679)	1:559:A:GLN:HG2	1:560:A:LYS:H	10	0.13
(1,10676)	1:559:A:GLN:HA	1:560:A:LYS:H	19	0.13
(1,10674)	1:559:A:GLN:H	1:561:A:VAL:HG21	15	0.13
(1,10674)	1:559:A:GLN:H	1:561:A:VAL:HG22	15	0.13
(1,10674)	1:559:A:GLN:H	1:561:A:VAL:HG23	15	0.13
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	12	0.13
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	12	0.13
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	12	0.13
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	12	0.13
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	5	0.13
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	5	0.13
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	11	0.13
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	11	0.13
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	15	0.13
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	15	0.13
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG21	20	0.13
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG22	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG23	20	0.13
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	8	0.13
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	8	0.13
(1,10548)	1:554:A:PHE:HE1	1:564:A:VAL:HB	19	0.13
(1,10548)	1:554:A:PHE:HE2	1:564:A:VAL:HB	19	0.13
(1,10526)	1:552:A:LYS:HB3	1:553:A:LEU:HD21	16	0.13
(1,10526)	1:552:A:LYS:HB3	1:553:A:LEU:HD22	16	0.13
(1,10526)	1:552:A:LYS:HB3	1:553:A:LEU:HD23	16	0.13
(1,10526)	1:552:A:LYS:HB2	1:553:A:LEU:HD21	16	0.13
(1,10526)	1:552:A:LYS:HB2	1:553:A:LEU:HD22	16	0.13
(1,10526)	1:552:A:LYS:HB2	1:553:A:LEU:HD23	16	0.13
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG11	7	0.13
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG12	7	0.13
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG13	7	0.13
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG11	7	0.13
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG12	7	0.13
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG13	7	0.13
(1,10441)	1:549:A:GLN:HA	1:554:A:PHE:HZ	13	0.13
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	8	0.13
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	8	0.13
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	8	0.13
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	8	0.13
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	12	0.13
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	12	0.13
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	12	0.13
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	12	0.13
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD3	19	0.13
(1,10387)	1:547:A:SER:HB3	1:552:A:LYS:HD2	19	0.13
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD3	19	0.13
(1,10387)	1:547:A:SER:HB2	1:552:A:LYS:HD2	19	0.13
(1,10386)	1:547:A:SER:HA	1:552:A:LYS:HD3	13	0.13
(1,10386)	1:547:A:SER:HA	1:552:A:LYS:HD2	13	0.13
(1,10340)	1:546:A:MET:HB3	1:563:A:GLU:HA	7	0.13
(1,10340)	1:546:A:MET:HB2	1:563:A:GLU:HA	7	0.13
(1,10275)	1:543:A:ALA:H	1:553:A:LEU:HB3	10	0.13
(1,10275)	1:543:A:ALA:H	1:553:A:LEU:HB2	10	0.13
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD21	13	0.13
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD22	13	0.13
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD23	13	0.13
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD21	13	0.13
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD22	13	0.13
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD23	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD21	20	0.13
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD22	20	0.13
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD23	20	0.13
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD21	20	0.13
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD22	20	0.13
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD23	20	0.13
(1,10129)	1:539:A:VAL:H	1:603:A:ALA:HB3	11	0.13
(1,10118)	1:539:A:VAL:HG21	1:605:A:ARG:HG3	19	0.13
(1,10118)	1:539:A:VAL:HG21	1:605:A:ARG:HG2	19	0.13
(1,10118)	1:539:A:VAL:HG22	1:605:A:ARG:HG3	19	0.13
(1,10118)	1:539:A:VAL:HG22	1:605:A:ARG:HG2	19	0.13
(1,10118)	1:539:A:VAL:HG23	1:605:A:ARG:HG3	19	0.13
(1,10118)	1:539:A:VAL:HG23	1:605:A:ARG:HG2	19	0.13
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	4	0.13
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	7	0.13
(1,10075)	1:537:A:ALA:HB1	1:568:A:PHE:HA	6	0.13
(1,9976)	1:535:A:THR:HA	1:574:A:HIS:HD2	7	0.13
(1,9966)	1:534:A:ASP:HA	1:571:A:ASN:HD21	5	0.13
(1,9966)	1:534:A:ASP:HA	1:571:A:ASN:HD22	5	0.13
(1,9685)	1:524:A:LYS:HB3	1:566:A:TYR:H	4	0.13
(1,9685)	1:524:A:LYS:HB2	1:566:A:TYR:H	4	0.13
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG21	16	0.13
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG22	16	0.13
(1,9150)	1:507:A:ALA:H	1:509:A:THR:HG23	16	0.13
(1,8989)	1:500:A:SER:HB3	1:530:A:HIS:HE1	15	0.13
(1,8989)	1:500:A:SER:HB2	1:530:A:HIS:HE1	15	0.13
(1,8895)	1:497:A:VAL:HB	1:572:A:PRO:HD3	18	0.13
(1,8895)	1:497:A:VAL:HB	1:572:A:PRO:HD2	18	0.13
(1,8882)	1:496:A:GLU:HB3	1:532:A:LEU:HD21	3	0.13
(1,8882)	1:496:A:GLU:HB2	1:532:A:LEU:HD21	3	0.13
(1,8864)	1:495:A:ASP:HA	1:530:A:HIS:HD2	8	0.13
(1,8860)	1:490:A:LEU:H	1:491:A:GLU:H	9	0.13
(1,8797)	1:474:A:GLU:HA	1:479:A:PRO:HA	8	0.13
(1,8595)	1:450:A:LEU:HB3	1:456:A:GLU:H	7	0.13
(1,8595)	1:450:A:LEU:HB2	1:456:A:GLU:H	7	0.13
(1,8404)	1:434:A:THR:H	1:482:A:SER:HA	9	0.13
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB3	8	0.13
(1,8380)	1:432:A:TYR:HB3	1:458:A:LEU:HB2	8	0.13
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB3	8	0.13
(1,8380)	1:432:A:TYR:HB2	1:458:A:LEU:HB2	8	0.13
(1,8368)	1:432:A:TYR:H	1:482:A:SER:HA	11	0.13
(1,8362)	1:431:A:TYR:HD1	1:456:A:GLU:H	13	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8362)	1:431:A:TYR:HD2	1:456:A:GLU:H	13	0.13
(1,8276)	1:427:A:GLN:HG3	1:478:A:LYS:HG3	14	0.13
(1,8276)	1:427:A:GLN:HG3	1:478:A:LYS:HG2	14	0.13
(1,8276)	1:427:A:GLN:HG2	1:478:A:LYS:HG3	14	0.13
(1,8276)	1:427:A:GLN:HG2	1:478:A:LYS:HG2	14	0.13
(1,8263)	1:424:A:LYS:HB3	1:425:A:GLU:HG3	18	0.13
(1,8263)	1:424:A:LYS:HB3	1:425:A:GLU:HG2	18	0.13
(1,8263)	1:424:A:LYS:HB2	1:425:A:GLU:HG3	18	0.13
(1,8263)	1:424:A:LYS:HB2	1:425:A:GLU:HG2	18	0.13
(1,8095)	1:414:A:VAL:HG21	1:418:A:ASP:H	18	0.13
(1,8095)	1:414:A:VAL:HG22	1:418:A:ASP:H	18	0.13
(1,8095)	1:414:A:VAL:HG23	1:418:A:ASP:H	18	0.13
(1,7903)	1:402:A:PHE:HD1	1:461:A:SER:H	14	0.13
(1,7903)	1:402:A:PHE:HD2	1:461:A:SER:H	14	0.13
(1,7837)	1:397:A:ALA:HA	1:400:A:LEU:HD11	18	0.13
(1,7837)	1:397:A:ALA:HA	1:400:A:LEU:HD12	18	0.13
(1,7837)	1:397:A:ALA:HA	1:400:A:LEU:HD13	18	0.13
(1,7761)	1:392:A:ASN:HA	1:396:A:ILE:H	10	0.13
(1,7749)	1:390:A:PHE:HE1	1:393:A:GLN:HE21	4	0.13
(1,7749)	1:390:A:PHE:HE1	1:393:A:GLN:HE22	4	0.13
(1,7749)	1:390:A:PHE:HE2	1:393:A:GLN:HE21	4	0.13
(1,7749)	1:390:A:PHE:HE2	1:393:A:GLN:HE22	4	0.13
(1,7733)	1:388:A:GLU:H	1:396:A:ILE:HD11	13	0.13
(1,7733)	1:388:A:GLU:H	1:396:A:ILE:HD12	13	0.13
(1,7733)	1:388:A:GLU:H	1:396:A:ILE:HD13	13	0.13
(1,7661)	1:384:A:GLU:HA	1:467:A:TRP:HZ3	13	0.13
(1,7507)	1:375:A:TRP:HH2	1:383:A:LYS:HG3	16	0.13
(1,7507)	1:375:A:TRP:HH2	1:383:A:LYS:HG2	16	0.13
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD11	19	0.13
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD12	19	0.13
(1,7202)	1:357:A:LEU:HA	1:399:A:LEU:HD13	19	0.13
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD11	4	0.13
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD12	4	0.13
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD13	4	0.13
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD11	4	0.13
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD12	4	0.13
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD13	4	0.13
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD11	4	0.13
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD12	4	0.13
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD13	4	0.13
(1,7125)	1:351:A:ALA:HA	1:355:A:ARG:HD3	6	0.13
(1,7125)	1:351:A:ALA:HA	1:355:A:ARG:HD2	6	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6724)	1:317:A:TYR:HB3	1:388:A:GLU:H	11	0.13
(1,6724)	1:317:A:TYR:HB2	1:388:A:GLU:H	11	0.13
(1,6714)	1:316:A:ASN:HB3	1:388:A:GLU:HG3	4	0.13
(1,6714)	1:316:A:ASN:HB3	1:388:A:GLU:HG2	4	0.13
(1,6714)	1:316:A:ASN:HB2	1:388:A:GLU:HG3	4	0.13
(1,6714)	1:316:A:ASN:HB2	1:388:A:GLU:HG2	4	0.13
(1,6694)	1:315:A:PRO:HG3	1:353:A:THR:HA	2	0.13
(1,6694)	1:315:A:PRO:HG2	1:353:A:THR:HA	2	0.13
(1,6694)	1:315:A:PRO:HG3	1:353:A:THR:HA	10	0.13
(1,6694)	1:315:A:PRO:HG2	1:353:A:THR:HA	10	0.13
(1,6645)	1:313:A:PHE:HZ	1:345:A:THR:HA	3	0.13
(1,6645)	1:313:A:PHE:HZ	1:345:A:THR:HA	9	0.13
(1,6636)	1:313:A:PHE:HB3	1:352:A:LEU:HD11	14	0.13
(1,6636)	1:313:A:PHE:HB3	1:352:A:LEU:HD12	14	0.13
(1,6636)	1:313:A:PHE:HB3	1:352:A:LEU:HD13	14	0.13
(1,6636)	1:313:A:PHE:HB2	1:352:A:LEU:HD11	14	0.13
(1,6636)	1:313:A:PHE:HB2	1:352:A:LEU:HD12	14	0.13
(1,6636)	1:313:A:PHE:HB2	1:352:A:LEU:HD13	14	0.13
(1,6616)	1:312:A:GLN:HE21	1:340:A:GLN:HB3	20	0.13
(1,6616)	1:312:A:GLN:HE21	1:340:A:GLN:HB2	20	0.13
(1,6616)	1:312:A:GLN:HE22	1:340:A:GLN:HB3	20	0.13
(1,6616)	1:312:A:GLN:HE22	1:340:A:GLN:HB2	20	0.13
(1,6376)	1:299:A:LEU:HD21	1:339:A:LEU:HD11	9	0.13
(1,6376)	1:299:A:LEU:HD21	1:339:A:LEU:HD12	9	0.13
(1,6376)	1:299:A:LEU:HD21	1:339:A:LEU:HD13	9	0.13
(1,6376)	1:299:A:LEU:HD22	1:339:A:LEU:HD11	9	0.13
(1,6376)	1:299:A:LEU:HD22	1:339:A:LEU:HD12	9	0.13
(1,6376)	1:299:A:LEU:HD22	1:339:A:LEU:HD13	9	0.13
(1,6376)	1:299:A:LEU:HD23	1:339:A:LEU:HD11	9	0.13
(1,6376)	1:299:A:LEU:HD23	1:339:A:LEU:HD12	9	0.13
(1,6376)	1:299:A:LEU:HD23	1:339:A:LEU:HD13	9	0.13
(1,6352)	1:298:A:LYS:HG3	1:322:A:ARG:HD3	6	0.13
(1,6352)	1:298:A:LYS:HG3	1:322:A:ARG:HD2	6	0.13
(1,6352)	1:298:A:LYS:HG2	1:322:A:ARG:HD3	6	0.13
(1,6352)	1:298:A:LYS:HG2	1:322:A:ARG:HD2	6	0.13
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD3	14	0.13
(1,6308)	1:297:A:LEU:HA	1:322:A:ARG:HD2	14	0.13
(1,6256)	1:295:A:HIS:HE1	1:316:A:ASN:HA	9	0.13
(1,6248)	1:294:A:LYS:H	1:295:A:HIS:H	16	0.13
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD3	20	0.13
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD2	20	0.13
(1,6231)	1:291:A:ARG:HA	1:293:A:HIS:HA	9	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6226)	1:290:A:ASN:HD21	1:292:A:ASP:HB3	19	0.13
(1,6226)	1:290:A:ASN:HD21	1:292:A:ASP:HB2	19	0.13
(1,6226)	1:290:A:ASN:HD22	1:292:A:ASP:HB3	19	0.13
(1,6226)	1:290:A:ASN:HD22	1:292:A:ASP:HB2	19	0.13
(1,6189)	1:288:A:MET:HE1	1:381:A:VAL:HG21	6	0.13
(1,6189)	1:288:A:MET:HE1	1:381:A:VAL:HG22	6	0.13
(1,6189)	1:288:A:MET:HE1	1:381:A:VAL:HG23	6	0.13
(1,6189)	1:288:A:MET:HE2	1:381:A:VAL:HG21	6	0.13
(1,6189)	1:288:A:MET:HE2	1:381:A:VAL:HG22	6	0.13
(1,6189)	1:288:A:MET:HE2	1:381:A:VAL:HG23	6	0.13
(1,6189)	1:288:A:MET:HE3	1:381:A:VAL:HG21	6	0.13
(1,6189)	1:288:A:MET:HE3	1:381:A:VAL:HG22	6	0.13
(1,6189)	1:288:A:MET:HE3	1:381:A:VAL:HG23	6	0.13
(1,6165)	1:286:A:TRP:HE3	1:289:A:TRP:H	20	0.13
(1,6122)	1:283:A:GLN:HG3	1:284:A:ALA:H	6	0.13
(1,6122)	1:283:A:GLN:HG2	1:284:A:ALA:H	6	0.13
(1,6122)	1:283:A:GLN:HG3	1:284:A:ALA:H	13	0.13
(1,6122)	1:283:A:GLN:HG2	1:284:A:ALA:H	13	0.13
(1,6105)	1:282:A:SER:HA	1:377:A:GLN:HB3	10	0.13
(1,6105)	1:282:A:SER:HA	1:377:A:GLN:HB2	10	0.13
(1,5953)	1:276:A:SER:HB3	1:325:A:ILE:HB	12	0.13
(1,5953)	1:276:A:SER:HB2	1:325:A:ILE:HB	12	0.13
(1,5841)	1:268:A:VAL:HB	1:272:A:GLN:HB3	17	0.13
(1,5841)	1:268:A:VAL:HB	1:272:A:GLN:HB2	17	0.13
(1,5734)	1:263:A:TRP:HZ3	1:370:A:LYS:HZ3	7	0.13
(1,5711)	1:262:A:THR:HB	1:370:A:LYS:HD3	15	0.13
(1,5711)	1:262:A:THR:HB	1:370:A:LYS:HD2	15	0.13
(1,5336)	1:237:A:ASN:HD21	1:238:A:LYS:H	17	0.13
(1,5336)	1:237:A:ASN:HD22	1:238:A:LYS:H	17	0.13
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	2	0.13
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	9	0.13
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	19	0.13
(1,5274)	1:234:A:TRP:HD1	1:276:A:SER:HA	5	0.13
(1,4961)	1:213:A:ARG:HG3	1:221:A:VAL:H	20	0.13
(1,4961)	1:213:A:ARG:HG2	1:221:A:VAL:H	20	0.13
(1,4725)	1:206:A:LEU:HA	1:228:A:ASN:HD21	9	0.13
(1,4725)	1:206:A:LEU:HA	1:228:A:ASN:HD22	9	0.13
(1,4664)	1:204:A:ILE:H	1:230:A:ALA:HA	19	0.13
(1,4573)	1:202:A:ASP:H	1:245:A:GLU:HG3	13	0.13
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD3	2	0.13
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD2	2	0.13
(1,4291)	1:191:A:TRP:HE1	1:192:A:ARG:HA	20	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,3997)	1:169:A:LYS:HG3	1:171:A:ASP:HA	3	0.13
(1,3997)	1:169:A:LYS:HG2	1:171:A:ASP:HA	3	0.13
(1,3591)	1:142:A:ARG:H	1:169:A:LYS:HE3	15	0.13
(1,3591)	1:142:A:ARG:H	1:169:A:LYS:HE2	15	0.13
(1,3585)	1:142:A:ARG:HB3	1:169:A:LYS:H	17	0.13
(1,3585)	1:142:A:ARG:HB2	1:169:A:LYS:H	17	0.13
(1,3504)	1:140:A:ARG:HG3	1:169:A:LYS:HD3	19	0.13
(1,3504)	1:140:A:ARG:HG3	1:169:A:LYS:HD2	19	0.13
(1,3504)	1:140:A:ARG:HG2	1:169:A:LYS:HD3	19	0.13
(1,3504)	1:140:A:ARG:HG2	1:169:A:LYS:HD2	19	0.13
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	10	0.13
(1,2811)	1:110:A:GLY:H	1:113:A:GLN:HE21	8	0.13
(1,2811)	1:110:A:GLY:H	1:113:A:GLN:HE22	8	0.13
(1,2793)	1:109:A:LEU:HD11	1:112:A:ASP:HA	10	0.13
(1,2793)	1:109:A:LEU:HD12	1:112:A:ASP:HA	10	0.13
(1,2793)	1:109:A:LEU:HD13	1:112:A:ASP:HA	10	0.13
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB3	16	0.13
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB2	16	0.13
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB3	16	0.13
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB2	16	0.13
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB3	16	0.13
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB2	16	0.13
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE21	8	0.13
(1,2761)	1:107:A:GLU:HB3	1:113:A:GLN:HE22	8	0.13
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE21	8	0.13
(1,2761)	1:107:A:GLU:HB2	1:113:A:GLN:HE22	8	0.13
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB1	13	0.13
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB2	13	0.13
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB3	13	0.13
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB1	13	0.13
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB2	13	0.13
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB3	13	0.13
(1,2701)	1:105:A:PHE:HD2	1:110:A:GLY:H	7	0.13
(1,2700)	1:105:A:PHE:HA	1:111:A:SER:H	19	0.13
(1,2671)	1:104:A:SER:HB3	1:106:A:LEU:H	2	0.13
(1,2671)	1:104:A:SER:HB2	1:106:A:LEU:H	2	0.13
(1,2633)	1:102:A:THR:HB	1:116:A:ASP:HB3	20	0.13
(1,2633)	1:102:A:THR:HB	1:116:A:ASP:HB2	20	0.13
(1,2631)	1:102:A:THR:HB	1:116:A:ASP:HA	19	0.13
(1,2594)	1:99:A:LYS:HE3	1:101:A:GLY:H	1	0.13
(1,2594)	1:99:A:LYS:HE2	1:101:A:GLY:H	1	0.13
(1,2594)	1:99:A:LYS:HE3	1:101:A:GLY:H	2	0.13

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2594)	1:99:A:LYS:HE2	1:101:A:GLY:H	2	0.13
(1,2578)	1:98:A:ALA:H	1:99:A:LYS:H	15	0.13
(1,2109)	1:84:A:GLY:HA3	1:141:A:THR:HB	15	0.13
(1,2109)	1:84:A:GLY:HA2	1:141:A:THR:HB	15	0.13
(1,2103)	1:84:A:GLY:HA3	1:143:A:ALA:HA	13	0.13
(1,2103)	1:84:A:GLY:HA2	1:143:A:ALA:HA	13	0.13
(1,1667)	1:69:A:PHE:HE1	1:188:A:LEU:HB3	6	0.13
(1,1667)	1:69:A:PHE:HE1	1:188:A:LEU:HB2	6	0.13
(1,1667)	1:69:A:PHE:HE2	1:188:A:LEU:HB3	6	0.13
(1,1667)	1:69:A:PHE:HE2	1:188:A:LEU:HB2	6	0.13
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	3	0.13
(1,1483)	1:66:A:ARG:HB2	1:211:A:GLU:HB2	20	0.13
(1,1163)	1:51:A:LEU:HA	1:54:A:PRO:HG3	13	0.13
(1,1163)	1:51:A:LEU:HA	1:54:A:PRO:HG2	13	0.13
(1,1023)	1:47:A:ARG:HE	1:63:A:LEU:H	20	0.13
(1,682)	1:37:A:SER:HA	1:252:A:HIS:HD2	14	0.13
(1,603)	1:35:A:LEU:HD21	1:78:A:ILE:HB	13	0.13
(1,603)	1:35:A:LEU:HD22	1:78:A:ILE:HB	13	0.13
(1,603)	1:35:A:LEU:HD23	1:78:A:ILE:HB	13	0.13
(1,336)	1:29:A:GLU:HB3	1:192:A:ARG:HE	13	0.13
(1,336)	1:29:A:GLU:HB2	1:192:A:ARG:HE	13	0.13
(1,334)	1:29:A:GLU:HB3	1:196:A:ILE:HG21	17	0.13
(1,334)	1:29:A:GLU:HB3	1:196:A:ILE:HG22	17	0.13
(1,334)	1:29:A:GLU:HB3	1:196:A:ILE:HG23	17	0.13
(1,334)	1:29:A:GLU:HB2	1:196:A:ILE:HG21	17	0.13
(1,334)	1:29:A:GLU:HB2	1:196:A:ILE:HG22	17	0.13
(1,334)	1:29:A:GLU:HB2	1:196:A:ILE:HG23	17	0.13
(1,95)	1:19:A:LEU:HA	1:257:A:PHE:HZ	2	0.13
(1,80)	1:18:A:HIS:HA	1:21:A:ILE:H	12	0.13
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB1	8	0.12
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB2	8	0.12
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB3	8	0.12
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB1	8	0.12
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB2	8	0.12
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB3	8	0.12
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB1	8	0.12
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB2	8	0.12
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB3	8	0.12
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD11	5	0.12
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD12	5	0.12
(1,24218)	1:455:B:ILE:HD11	2:100:C:LEU:HD13	5	0.12
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD11	5	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD12	5	0.12
(1,24218)	1:455:B:ILE:HD12	2:100:C:LEU:HD13	5	0.12
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD11	5	0.12
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD12	5	0.12
(1,24218)	1:455:B:ILE:HD13	2:100:C:LEU:HD13	5	0.12
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG11	20	0.12
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG12	20	0.12
(1,24216)	1:483:B:VAL:HG11	2:96:C:VAL:HG13	20	0.12
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG11	20	0.12
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG12	20	0.12
(1,24216)	1:483:B:VAL:HG12	2:96:C:VAL:HG13	20	0.12
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG11	20	0.12
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG12	20	0.12
(1,24216)	1:483:B:VAL:HG13	2:96:C:VAL:HG13	20	0.12
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD21	3	0.12
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD22	3	0.12
(1,24214)	1:458:B:LEU:HD11	2:95:C:LEU:HD23	3	0.12
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD21	3	0.12
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD22	3	0.12
(1,24214)	1:458:B:LEU:HD12	2:95:C:LEU:HD23	3	0.12
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD21	3	0.12
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD22	3	0.12
(1,24214)	1:458:B:LEU:HD13	2:95:C:LEU:HD23	3	0.12
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	12	0.12
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	12	0.12
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	12	0.12
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	12	0.12
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	12	0.12
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	12	0.12
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	12	0.12
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	12	0.12
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	12	0.12
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE1	3	0.12
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE2	3	0.12
(1,24211)	1:472:B:LEU:HD11	2:90:C:MET:HE3	3	0.12
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE1	3	0.12
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE2	3	0.12
(1,24211)	1:472:B:LEU:HD12	2:90:C:MET:HE3	3	0.12
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE1	3	0.12
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE2	3	0.12
(1,24211)	1:472:B:LEU:HD13	2:90:C:MET:HE3	3	0.12
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB1	16	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB2	16	0.12
(1,24210)	1:464:B:ILE:HD11	2:86:C:ALA:HB3	16	0.12
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB1	16	0.12
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB2	16	0.12
(1,24210)	1:464:B:ILE:HD12	2:86:C:ALA:HB3	16	0.12
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB1	16	0.12
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB2	16	0.12
(1,24210)	1:464:B:ILE:HD13	2:86:C:ALA:HB3	16	0.12
(1,24209)	1:318:B:LEU:HD11	2:83:C:TYR:HE2	1	0.12
(1,24209)	1:318:B:LEU:HD12	2:83:C:TYR:HE2	1	0.12
(1,24209)	1:318:B:LEU:HD13	2:83:C:TYR:HE2	1	0.12
(1,24195)	1:455:A:ILE:HD11	2:6:C:LEU:HD11	1	0.12
(1,24195)	1:455:A:ILE:HD11	2:6:C:LEU:HD12	1	0.12
(1,24195)	1:455:A:ILE:HD11	2:6:C:LEU:HD13	1	0.12
(1,24195)	1:455:A:ILE:HD12	2:6:C:LEU:HD11	1	0.12
(1,24195)	1:455:A:ILE:HD12	2:6:C:LEU:HD12	1	0.12
(1,24195)	1:455:A:ILE:HD12	2:6:C:LEU:HD13	1	0.12
(1,24195)	1:455:A:ILE:HD13	2:6:C:LEU:HD11	1	0.12
(1,24195)	1:455:A:ILE:HD13	2:6:C:LEU:HD12	1	0.12
(1,24195)	1:455:A:ILE:HD13	2:6:C:LEU:HD13	1	0.12
(1,24191)	1:467:A:TRP:HE3	2:24:C:MET:HE1	3	0.12
(1,24191)	1:467:A:TRP:HE3	2:24:C:MET:HE2	3	0.12
(1,24191)	1:467:A:TRP:HE3	2:24:C:MET:HE3	3	0.12
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	1	0.12
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	1	0.12
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	1	0.12
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	7	0.12
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	7	0.12
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	7	0.12
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	3	0.12
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	3	0.12
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	3	0.12
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	3	0.12
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	15	0.12
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	15	0.12
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	15	0.12
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	15	0.12
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	16	0.12
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	16	0.12
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	16	0.12
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	16	0.12
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE1	7	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE2	7	0.12
(1,24185)	1:460:A:LEU:HD11	2:18:C:MET:HE3	7	0.12
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE1	7	0.12
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE2	7	0.12
(1,24185)	1:460:A:LEU:HD12	2:18:C:MET:HE3	7	0.12
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE1	7	0.12
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE2	7	0.12
(1,24185)	1:460:A:LEU:HD13	2:18:C:MET:HE3	7	0.12
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB1	12	0.12
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB2	12	0.12
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB3	12	0.12
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB1	12	0.12
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB2	12	0.12
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB3	12	0.12
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB1	12	0.12
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB2	12	0.12
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB3	12	0.12
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB1	18	0.12
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB2	18	0.12
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB3	18	0.12
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB1	18	0.12
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB2	18	0.12
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB3	18	0.12
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB1	18	0.12
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB2	18	0.12
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB3	18	0.12
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	16	0.12
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	16	0.12
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	16	0.12
(1,23929)	1:611:B:PRO:HG3	1:612:B:ASN:HD21	1	0.12
(1,23929)	1:611:B:PRO:HG3	1:612:B:ASN:HD22	1	0.12
(1,23929)	1:611:B:PRO:HG2	1:612:B:ASN:HD21	1	0.12
(1,23929)	1:611:B:PRO:HG2	1:612:B:ASN:HD22	1	0.12
(1,23889)	1:610:B:ASP:H	1:614:B:PHE:H	10	0.12
(1,23818)	1:604:B:GLU:HG3	1:605:B:ARG:HG3	16	0.12
(1,23818)	1:604:B:GLU:HG3	1:605:B:ARG:HG2	16	0.12
(1,23818)	1:604:B:GLU:HG2	1:605:B:ARG:HG3	16	0.12
(1,23818)	1:604:B:GLU:HG2	1:605:B:ARG:HG2	16	0.12
(1,23437)	1:591:B:GLU:HG3	1:617:B:ARG:HA	6	0.12
(1,23437)	1:591:B:GLU:HG2	1:617:B:ARG:HA	6	0.12
(1,23023)	1:571:B:ASN:HD21	1:574:B:HIS:HB3	20	0.12
(1,23023)	1:571:B:ASN:HD21	1:574:B:HIS:HB2	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,23023)	1:571:B:ASN:HD22	1:574:B:HIS:HB3	20	0.12
(1,23023)	1:571:B:ASN:HD22	1:574:B:HIS:HB2	20	0.12
(1,22930)	1:568:B:PHE:HE1	1:600:B:ALA:HA	1	0.12
(1,22768)	1:560:B:LYS:HE3	1:566:B:TYR:HD1	14	0.12
(1,22768)	1:560:B:LYS:HE3	1:566:B:TYR:HD2	14	0.12
(1,22768)	1:560:B:LYS:HE2	1:566:B:TYR:HD1	14	0.12
(1,22768)	1:560:B:LYS:HE2	1:566:B:TYR:HD2	14	0.12
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	17	0.12
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	17	0.12
(1,22754)	1:559:B:GLN:HA	1:560:B:LYS:H	18	0.12
(1,22714)	1:557:B:ALA:H	1:561:B:VAL:HB	13	0.12
(1,22712)	1:557:B:ALA:HA	1:561:B:VAL:HA	13	0.12
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	1	0.12
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	1	0.12
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	11	0.12
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	11	0.12
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	11	0.12
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	11	0.12
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	11	0.12
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	11	0.12
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG21	2	0.12
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG22	2	0.12
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG23	2	0.12
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	13	0.12
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	13	0.12
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	14	0.12
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	14	0.12
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG11	20	0.12
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG12	20	0.12
(1,22576)	1:552:B:LYS:HE3	1:561:B:VAL:HG13	20	0.12
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG11	20	0.12
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG12	20	0.12
(1,22576)	1:552:B:LYS:HE2	1:561:B:VAL:HG13	20	0.12
(1,22566)	1:551:B:ALA:H	1:553:B:LEU:HD21	10	0.12
(1,22566)	1:551:B:ALA:H	1:553:B:LEU:HD22	10	0.12
(1,22566)	1:551:B:ALA:H	1:553:B:LEU:HD23	10	0.12
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG21	8	0.12
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG22	8	0.12
(1,22516)	1:549:B:GLN:HE21	1:564:B:VAL:HG23	8	0.12
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG21	8	0.12
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG22	8	0.12
(1,22516)	1:549:B:GLN:HE22	1:564:B:VAL:HG23	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22514)	1:549:B:GLN:HE21	1:605:B:ARG:HD3	3	0.12
(1,22514)	1:549:B:GLN:HE21	1:605:B:ARG:HD2	3	0.12
(1,22514)	1:549:B:GLN:HE22	1:605:B:ARG:HD3	3	0.12
(1,22514)	1:549:B:GLN:HE22	1:605:B:ARG:HD2	3	0.12
(1,22471)	1:547:B:SER:HA	1:550:B:MET:HE1	15	0.12
(1,22471)	1:547:B:SER:HA	1:550:B:MET:HE2	15	0.12
(1,22471)	1:547:B:SER:HA	1:550:B:MET:HE3	15	0.12
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD3	5	0.12
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD2	5	0.12
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD3	5	0.12
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD2	5	0.12
(1,22207)	1:539:B:VAL:H	1:603:B:ALA:HB3	3	0.12
(1,22207)	1:539:B:VAL:H	1:603:B:ALA:HB3	19	0.12
(1,22183)	1:538:B:ILE:H	1:568:B:PHE:HZ	20	0.12
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD21	17	0.12
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD22	17	0.12
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD23	17	0.12
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD21	17	0.12
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD22	17	0.12
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD23	17	0.12
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD21	17	0.12
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD22	17	0.12
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD23	17	0.12
(1,21531)	1:516:B:LYS:HG3	1:526:B:VAL:HB	6	0.12
(1,21531)	1:516:B:LYS:HG2	1:526:B:VAL:HB	6	0.12
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	10	0.12
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	10	0.12
(1,21028)	1:498:B:ASP:HA	1:532:B:LEU:HD11	9	0.12
(1,21016)	1:497:B:VAL:HG21	1:500:B:SER:HA	8	0.12
(1,20942)	1:495:B:ASP:HA	1:530:B:HIS:HD2	8	0.12
(1,20881)	1:474:B:GLU:HG3	1:478:B:LYS:HA	5	0.12
(1,20881)	1:474:B:GLU:HG2	1:478:B:LYS:HA	5	0.12
(1,20875)	1:474:B:GLU:HA	1:479:B:PRO:HA	20	0.12
(1,20775)	1:464:B:ILE:HD11	1:467:B:TRP:HE3	5	0.12
(1,20775)	1:464:B:ILE:HD12	1:467:B:TRP:HE3	5	0.12
(1,20775)	1:464:B:ILE:HD13	1:467:B:TRP:HE3	5	0.12
(1,20775)	1:464:B:ILE:HD11	1:467:B:TRP:HE3	6	0.12
(1,20775)	1:464:B:ILE:HD12	1:467:B:TRP:HE3	6	0.12
(1,20775)	1:464:B:ILE:HD13	1:467:B:TRP:HE3	6	0.12
(1,20774)	1:464:B:ILE:HA	1:467:B:TRP:HE3	12	0.12
(1,20605)	1:444:B:SER:H	1:447:B:LEU:H	1	0.12
(1,20584)	1:442:B:LYS:HA	1:459:B:LEU:HD11	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20584)	1:442:B:LYS:HA	1:459:B:LEU:HD12	1	0.12
(1,20584)	1:442:B:LYS:HA	1:459:B:LEU:HD13	1	0.12
(1,20555)	1:440:B:ALA:HA	1:444:B:SER:H	1	0.12
(1,20507)	1:436:B:ASP:HA	1:461:B:SER:HA	10	0.12
(1,20507)	1:436:B:ASP:HA	1:461:B:SER:HA	16	0.12
(1,20484)	1:434:B:THR:HG21	1:466:B:GLU:HA	15	0.12
(1,20484)	1:434:B:THR:HG22	1:466:B:GLU:HA	15	0.12
(1,20484)	1:434:B:THR:HG23	1:466:B:GLU:HA	15	0.12
(1,20482)	1:434:B:THR:H	1:482:B:SER:HA	16	0.12
(1,20354)	1:427:B:GLN:HG3	1:478:B:LYS:HG3	12	0.12
(1,20354)	1:427:B:GLN:HG3	1:478:B:LYS:HG2	12	0.12
(1,20354)	1:427:B:GLN:HG2	1:478:B:LYS:HG3	12	0.12
(1,20354)	1:427:B:GLN:HG2	1:478:B:LYS:HG2	12	0.12
(1,20299)	1:422:B:ARG:HB3	1:456:B:GLU:HB3	11	0.12
(1,20299)	1:422:B:ARG:HB3	1:456:B:GLU:HB2	11	0.12
(1,20299)	1:422:B:ARG:HB2	1:456:B:GLU:HB3	11	0.12
(1,20299)	1:422:B:ARG:HB2	1:456:B:GLU:HB2	11	0.12
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	2	0.12
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	2	0.12
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	2	0.12
(1,20124)	1:408:B:ASP:HA	1:442:B:LYS:HE3	15	0.12
(1,20124)	1:408:B:ASP:HA	1:442:B:LYS:HE2	15	0.12
(1,20019)	1:403:B:ALA:HA	1:414:B:VAL:HB	9	0.12
(1,19993)	1:402:B:PHE:H	1:414:B:VAL:HB	16	0.12
(1,19963)	1:401:B:ARG:HD3	1:415:B:SER:HA	19	0.12
(1,19963)	1:401:B:ARG:HD2	1:415:B:SER:HA	19	0.12
(1,19809)	1:388:B:GLU:H	1:467:B:TRP:HH2	4	0.12
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD11	2	0.12
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD12	2	0.12
(1,19741)	1:384:B:GLU:HA	1:464:B:ILE:HD13	2	0.12
(1,19670)	1:381:B:VAL:HA	1:385:B:GLY:H	7	0.12
(1,19656)	1:380:B:LEU:HD21	1:412:B:GLN:HE21	8	0.12
(1,19656)	1:380:B:LEU:HD21	1:412:B:GLN:HE22	8	0.12
(1,19656)	1:380:B:LEU:HD22	1:412:B:GLN:HE21	8	0.12
(1,19656)	1:380:B:LEU:HD22	1:412:B:GLN:HE22	8	0.12
(1,19656)	1:380:B:LEU:HD23	1:412:B:GLN:HE21	8	0.12
(1,19656)	1:380:B:LEU:HD23	1:412:B:GLN:HE22	8	0.12
(1,19257)	1:355:B:ARG:HA	1:358:B:GLN:HE21	1	0.12
(1,19257)	1:355:B:ARG:HA	1:358:B:GLN:HE22	1	0.12
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD21	1	0.12
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD22	1	0.12
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD21	12	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD22	12	0.12
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG21	16	0.12
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG22	16	0.12
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG23	16	0.12
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG21	16	0.12
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG22	16	0.12
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG23	16	0.12
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG21	16	0.12
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG22	16	0.12
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG23	16	0.12
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD11	4	0.12
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD12	4	0.12
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD13	4	0.12
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD11	16	0.12
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD12	16	0.12
(1,19008)	1:334:B:VAL:HA	1:338:B:ILE:HD13	16	0.12
(1,18998)	1:333:B:ASN:HD21	1:338:B:ILE:HD11	19	0.12
(1,18998)	1:333:B:ASN:HD21	1:338:B:ILE:HD12	19	0.12
(1,18998)	1:333:B:ASN:HD21	1:338:B:ILE:HD13	19	0.12
(1,18998)	1:333:B:ASN:HD22	1:338:B:ILE:HD11	19	0.12
(1,18998)	1:333:B:ASN:HD22	1:338:B:ILE:HD12	19	0.12
(1,18998)	1:333:B:ASN:HD22	1:338:B:ILE:HD13	19	0.12
(1,18862)	1:320:B:PHE:HZ	1:382:B:LEU:HD21	12	0.12
(1,18862)	1:320:B:PHE:HZ	1:382:B:LEU:HD22	12	0.12
(1,18862)	1:320:B:PHE:HZ	1:382:B:LEU:HD23	12	0.12
(1,18805)	1:317:B:TYR:HB3	1:385:B:GLY:H	18	0.12
(1,18805)	1:317:B:TYR:HB2	1:385:B:GLY:H	18	0.12
(1,18803)	1:317:B:TYR:HB3	1:388:B:GLU:HB3	17	0.12
(1,18803)	1:317:B:TYR:HB3	1:388:B:GLU:HB2	17	0.12
(1,18803)	1:317:B:TYR:HB2	1:388:B:GLU:HB3	17	0.12
(1,18803)	1:317:B:TYR:HB2	1:388:B:GLU:HB2	17	0.12
(1,18792)	1:316:B:ASN:HB3	1:388:B:GLU:HG3	6	0.12
(1,18792)	1:316:B:ASN:HB3	1:388:B:GLU:HG2	6	0.12
(1,18792)	1:316:B:ASN:HB2	1:388:B:GLU:HG3	6	0.12
(1,18792)	1:316:B:ASN:HB2	1:388:B:GLU:HG2	6	0.12
(1,18647)	1:307:B:MET:HE1	1:334:B:VAL:HG11	3	0.12
(1,18647)	1:307:B:MET:HE1	1:334:B:VAL:HG12	3	0.12
(1,18647)	1:307:B:MET:HE1	1:334:B:VAL:HG13	3	0.12
(1,18647)	1:307:B:MET:HE2	1:334:B:VAL:HG11	3	0.12
(1,18647)	1:307:B:MET:HE2	1:334:B:VAL:HG12	3	0.12
(1,18647)	1:307:B:MET:HE2	1:334:B:VAL:HG13	3	0.12
(1,18647)	1:307:B:MET:HE3	1:334:B:VAL:HG11	3	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18647)	1:307:B:MET:HE3	1:334:B:VAL:HG12	3	0.12
(1,18647)	1:307:B:MET:HE3	1:334:B:VAL:HG13	3	0.12
(1,18471)	1:299:B:LEU:HD11	1:325:B:ILE:HD11	17	0.12
(1,18471)	1:299:B:LEU:HD11	1:325:B:ILE:HD12	17	0.12
(1,18471)	1:299:B:LEU:HD11	1:325:B:ILE:HD13	17	0.12
(1,18471)	1:299:B:LEU:HD12	1:325:B:ILE:HD11	17	0.12
(1,18471)	1:299:B:LEU:HD12	1:325:B:ILE:HD12	17	0.12
(1,18471)	1:299:B:LEU:HD12	1:325:B:ILE:HD13	17	0.12
(1,18471)	1:299:B:LEU:HD13	1:325:B:ILE:HD11	17	0.12
(1,18471)	1:299:B:LEU:HD13	1:325:B:ILE:HD12	17	0.12
(1,18471)	1:299:B:LEU:HD13	1:325:B:ILE:HD13	17	0.12
(1,18349)	1:296:B:GLY:HA3	1:314:B:MET:H	10	0.12
(1,18337)	1:295:B:HIS:HE1	1:311:B:GLU:HA	19	0.12
(1,18326)	1:294:B:LYS:H	1:295:B:HIS:H	5	0.12
(1,18326)	1:294:B:LYS:H	1:295:B:HIS:H	6	0.12
(1,18302)	1:290:B:ASN:HB3	1:292:B:ASP:H	3	0.12
(1,18302)	1:290:B:ASN:HB2	1:292:B:ASP:H	3	0.12
(1,18278)	1:288:B:MET:HA	1:294:B:LYS:H	17	0.12
(1,18250)	1:287:B:ASP:HB3	1:294:B:LYS:H	16	0.12
(1,18250)	1:287:B:ASP:HB2	1:294:B:LYS:H	16	0.12
(1,18031)	1:276:B:SER:HB3	1:325:B:ILE:HB	4	0.12
(1,18031)	1:276:B:SER:HB2	1:325:B:ILE:HB	4	0.12
(1,17906)	1:268:B:VAL:HG11	1:276:B:SER:H	16	0.12
(1,17906)	1:268:B:VAL:HG12	1:276:B:SER:H	16	0.12
(1,17906)	1:268:B:VAL:HG13	1:276:B:SER:H	16	0.12
(1,17812)	1:263:B:TRP:HZ3	1:370:B:LYS:HZ3	9	0.12
(1,17661)	1:253:B:ILE:HD11	1:322:B:ARG:HB3	1	0.12
(1,17661)	1:253:B:ILE:HD11	1:322:B:ARG:HB2	1	0.12
(1,17661)	1:253:B:ILE:HD12	1:322:B:ARG:HB3	1	0.12
(1,17661)	1:253:B:ILE:HD12	1:322:B:ARG:HB2	1	0.12
(1,17661)	1:253:B:ILE:HD13	1:322:B:ARG:HB3	1	0.12
(1,17661)	1:253:B:ILE:HD13	1:322:B:ARG:HB2	1	0.12
(1,17481)	1:243:B:ASP:HA	1:246:B:TYR:HD1	8	0.12
(1,17481)	1:243:B:ASP:HA	1:246:B:TYR:HD2	8	0.12
(1,17359)	1:234:B:TRP:HA	1:265:B:HIS:HE1	14	0.12
(1,17306)	1:233:B:LEU:HD11	1:249:B:PHE:H	14	0.12
(1,17306)	1:233:B:LEU:HD12	1:249:B:PHE:H	14	0.12
(1,17306)	1:233:B:LEU:HD13	1:249:B:PHE:H	14	0.12
(1,16915)	1:209:B:GLU:HA	1:224:B:TRP:HB2	16	0.12
(1,16799)	1:206:B:LEU:H	1:230:B:ALA:HA	15	0.12
(1,16747)	1:204:B:ILE:HB	1:228:B:ASN:HD21	20	0.12
(1,16747)	1:204:B:ILE:HB	1:228:B:ASN:HD22	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16576)	1:198:B:SER:HA	1:201:B:SER:H	10	0.12
(1,15974)	1:158:B:GLY:H	1:162:B:TYR:HA	15	0.12
(1,15619)	1:141:B:THR:HB	1:174:B:THR:HB	2	0.12
(1,15619)	1:141:B:THR:HB	1:174:B:THR:HB	11	0.12
(1,15413)	1:136:B:LYS:HG3	1:155:B:GLU:HA	16	0.12
(1,15413)	1:136:B:LYS:HG2	1:155:B:GLU:HA	16	0.12
(1,15381)	1:135:B:ASP:HA	1:157:B:ALA:HA	3	0.12
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	10	0.12
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	18	0.12
(1,15064)	1:122:B:GLN:HA	1:255:B:HIS:HD2	19	0.12
(1,14973)	1:116:B:ASP:H	1:118:B:GLN:HB3	6	0.12
(1,14973)	1:116:B:ASP:H	1:118:B:GLN:HB2	6	0.12
(1,14909)	1:112:B:ASP:HA	1:115:B:LYS:H	7	0.12
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	15	0.12
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	15	0.12
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	15	0.12
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	15	0.12
(1,14779)	1:105:B:PHE:HD2	1:110:B:GLY:H	1	0.12
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD21	20	0.12
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD22	20	0.12
(1,14708)	1:102:B:THR:HG21	1:117:B:SER:HA	18	0.12
(1,14708)	1:102:B:THR:HG22	1:117:B:SER:HA	18	0.12
(1,14708)	1:102:B:THR:HG23	1:117:B:SER:HA	18	0.12
(1,14672)	1:99:B:LYS:HE3	1:101:B:GLY:H	3	0.12
(1,14672)	1:99:B:LYS:HE2	1:101:B:GLY:H	3	0.12
(1,14656)	1:98:B:ALA:H	1:99:B:LYS:H	19	0.12
(1,14327)	1:88:B:ASP:HA	1:91:B:ILE:HB	6	0.12
(1,14283)	1:86:B:THR:HB	1:87:B:ARG:H	19	0.12
(1,14025)	1:78:B:ILE:HG23	1:208:B:VAL:HG12	13	0.12
(1,13696)	1:68:B:SER:H	1:210:B:ILE:HG12	7	0.12
(1,13606)	1:67:B:VAL:H	1:224:B:TRP:HZ3	18	0.12
(1,13498)	1:65:B:VAL:HG13	1:206:B:LEU:HA	3	0.12
(1,13463)	1:64:B:ARG:HH11	1:81:B:ASN:H	18	0.12
(1,13463)	1:64:B:ARG:HH12	1:81:B:ASN:H	18	0.12
(1,13234)	1:51:B:LEU:HD21	1:304:B:VAL:HG11	14	0.12
(1,13234)	1:51:B:LEU:HD21	1:304:B:VAL:HG12	14	0.12
(1,13234)	1:51:B:LEU:HD21	1:304:B:VAL:HG13	14	0.12
(1,13234)	1:51:B:LEU:HD22	1:304:B:VAL:HG11	14	0.12
(1,13234)	1:51:B:LEU:HD22	1:304:B:VAL:HG12	14	0.12
(1,13234)	1:51:B:LEU:HD22	1:304:B:VAL:HG13	14	0.12
(1,13234)	1:51:B:LEU:HD23	1:304:B:VAL:HG11	14	0.12
(1,13234)	1:51:B:LEU:HD23	1:304:B:VAL:HG12	14	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13234)	1:51:B:LEU:HD23	1:304:B:VAL:HG13	14	0.12
(1,13222)	1:51:B:LEU:HB3	1:332:B:LEU:HG	10	0.12
(1,13222)	1:51:B:LEU:HB2	1:332:B:LEU:HG	10	0.12
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE1	2	0.12
(1,13110)	1:47:B:ARG:HD3	1:57:B:TYR:HE2	2	0.12
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE1	2	0.12
(1,13110)	1:47:B:ARG:HD2	1:57:B:TYR:HE2	2	0.12
(1,12546)	1:32:B:LEU:HG	1:193:B:VAL:HG12	20	0.12
(1,12537)	1:32:B:LEU:HD13	1:196:B:ILE:HA	13	0.12
(1,12526)	1:32:B:LEU:HB3	1:200:B:TYR:HE1	1	0.12
(1,12526)	1:32:B:LEU:HB2	1:200:B:TYR:HE1	1	0.12
(1,12426)	1:29:B:GLU:HB3	1:187:B:PHE:HE1	15	0.12
(1,12426)	1:29:B:GLU:HB3	1:187:B:PHE:HE2	15	0.12
(1,12426)	1:29:B:GLU:HB2	1:187:B:PHE:HE1	15	0.12
(1,12426)	1:29:B:GLU:HB2	1:187:B:PHE:HE2	15	0.12
(1,12421)	1:29:B:GLU:HA	1:187:B:PHE:HZ	17	0.12
(1,12253)	1:22:B:HIS:HD2	1:257:B:PHE:HE1	18	0.12
(1,12253)	1:22:B:HIS:HD2	1:257:B:PHE:HE2	18	0.12
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	6	0.12
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	6	0.12
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	6	0.12
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	15	0.12
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	15	0.12
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	15	0.12
(1,12088)	1:15:B:GLN:HE21	1:120:B:ILE:HB	9	0.12
(1,12088)	1:15:B:GLN:HE22	1:120:B:ILE:HB	9	0.12
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG11	6	0.12
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG12	6	0.12
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG13	6	0.12
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG11	6	0.12
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG12	6	0.12
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG13	6	0.12
(1,11886)	1:613:A:LEU:HD11	1:616:A:ARG:HD3	6	0.12
(1,11886)	1:613:A:LEU:HD11	1:616:A:ARG:HD2	6	0.12
(1,11886)	1:613:A:LEU:HD12	1:616:A:ARG:HD3	6	0.12
(1,11886)	1:613:A:LEU:HD12	1:616:A:ARG:HD2	6	0.12
(1,11886)	1:613:A:LEU:HD13	1:616:A:ARG:HD3	6	0.12
(1,11886)	1:613:A:LEU:HD13	1:616:A:ARG:HD2	6	0.12
(1,11861)	1:612:A:ASN:HA	1:615:A:ILE:HB	9	0.12
(1,11677)	1:602:A:LEU:HD11	1:611:A:PRO:HB3	10	0.12
(1,11677)	1:602:A:LEU:HD11	1:611:A:PRO:HB2	10	0.12
(1,11677)	1:602:A:LEU:HD12	1:611:A:PRO:HB3	10	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,11677)	1:602:A:LEU:HD12	1:611:A:PRO:HB2	10	0.12
(1,11677)	1:602:A:LEU:HD13	1:611:A:PRO:HB3	10	0.12
(1,11677)	1:602:A:LEU:HD13	1:611:A:PRO:HB2	10	0.12
(1,11590)	1:599:A:GLN:H	1:614:A:PHE:HZ	1	0.12
(1,11321)	1:589:A:PHE:HD1	1:592:A:TRP:HB3	16	0.12
(1,11321)	1:589:A:PHE:HD1	1:592:A:TRP:HB2	16	0.12
(1,11001)	1:574:A:HIS:HE1	1:575:A:VAL:HB	13	0.12
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD21	4	0.12
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD22	4	0.12
(1,10981)	1:574:A:HIS:HD2	1:596:A:LEU:HD23	4	0.12
(1,10724)	1:561:A:VAL:HA	1:565:A:LYS:HE3	7	0.12
(1,10724)	1:561:A:VAL:HA	1:565:A:LYS:HE2	7	0.12
(1,10705)	1:560:A:LYS:HA	1:564:A:VAL:HB	10	0.12
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG3	7	0.12
(1,10666)	1:559:A:GLN:HE21	1:609:A:GLU:HG2	7	0.12
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG3	7	0.12
(1,10666)	1:559:A:GLN:HE22	1:609:A:GLU:HG2	7	0.12
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	17	0.12
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	17	0.12
(1,10556)	1:554:A:PHE:HE1	1:561:A:VAL:H	6	0.12
(1,10556)	1:554:A:PHE:HE2	1:561:A:VAL:H	6	0.12
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG21	6	0.12
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG22	6	0.12
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG23	6	0.12
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG21	14	0.12
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG22	14	0.12
(1,10552)	1:554:A:PHE:HZ	1:564:A:VAL:HG23	14	0.12
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD21	20	0.12
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD22	20	0.12
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD23	20	0.12
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG11	17	0.12
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG12	17	0.12
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG13	17	0.12
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG11	17	0.12
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG12	17	0.12
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG13	17	0.12
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG11	20	0.12
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG12	20	0.12
(1,10498)	1:552:A:LYS:HE3	1:561:A:VAL:HG13	20	0.12
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG11	20	0.12
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG12	20	0.12
(1,10498)	1:552:A:LYS:HE2	1:561:A:VAL:HG13	20	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB3	1	0.12
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB2	1	0.12
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB3	1	0.12
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB2	1	0.12
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE1	10	0.12
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE2	10	0.12
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE1	10	0.12
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE2	10	0.12
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE1	17	0.12
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE2	17	0.12
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE1	17	0.12
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE2	17	0.12
(1,10443)	1:549:A:GLN:HE21	1:554:A:PHE:HZ	7	0.12
(1,10443)	1:549:A:GLN:HE22	1:554:A:PHE:HZ	7	0.12
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	15	0.12
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	15	0.12
(1,10386)	1:547:A:SER:HA	1:552:A:LYS:HD3	14	0.12
(1,10386)	1:547:A:SER:HA	1:552:A:LYS:HD2	14	0.12
(1,10313)	1:545:A:GLU:HB3	1:547:A:SER:H	1	0.12
(1,10313)	1:545:A:GLU:HB2	1:547:A:SER:H	1	0.12
(1,10275)	1:543:A:ALA:H	1:553:A:LEU:HB3	8	0.12
(1,10275)	1:543:A:ALA:H	1:553:A:LEU:HB2	8	0.12
(1,10275)	1:543:A:ALA:H	1:553:A:LEU:HB3	16	0.12
(1,10275)	1:543:A:ALA:H	1:553:A:LEU:HB2	16	0.12
(1,10221)	1:541:A:THR:HA	1:567:A:ILE:HB	2	0.12
(1,10221)	1:541:A:THR:HA	1:567:A:ILE:HB	11	0.12
(1,10221)	1:541:A:THR:HA	1:567:A:ILE:HB	20	0.12
(1,10160)	1:539:A:VAL:HG11	1:568:A:PHE:HA	5	0.12
(1,10160)	1:539:A:VAL:HG12	1:568:A:PHE:HA	5	0.12
(1,10160)	1:539:A:VAL:HG13	1:568:A:PHE:HA	5	0.12
(1,10142)	1:539:A:VAL:H	1:600:A:ALA:HB1	14	0.12
(1,10142)	1:539:A:VAL:H	1:600:A:ALA:HB2	14	0.12
(1,10142)	1:539:A:VAL:H	1:600:A:ALA:HB3	14	0.12
(1,10129)	1:539:A:VAL:H	1:603:A:ALA:HB3	19	0.12
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	1	0.12
(1,9976)	1:535:A:THR:HA	1:574:A:HIS:HD2	4	0.12
(1,9691)	1:524:A:LYS:HB3	1:565:A:LYS:HA	4	0.12
(1,9691)	1:524:A:LYS:HB2	1:565:A:LYS:HA	4	0.12
(1,9598)	1:521:A:GLU:H	1:522:A:ARG:HG3	14	0.12
(1,9598)	1:521:A:GLU:H	1:522:A:ARG:HG2	14	0.12
(1,9207)	1:509:A:THR:HB	1:513:A:ASP:H	16	0.12
(1,8989)	1:500:A:SER:HB3	1:530:A:HIS:HE1	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8989)	1:500:A:SER:HB2	1:530:A:HIS:HE1	1	0.12
(1,8980)	1:500:A:SER:HA	1:572:A:PRO:HB3	2	0.12
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG3	16	0.12
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG2	16	0.12
(1,8921)	1:497:A:VAL:H	1:530:A:HIS:HB3	2	0.12
(1,8803)	1:474:A:GLU:HG3	1:478:A:LYS:HA	17	0.12
(1,8803)	1:474:A:GLU:HG2	1:478:A:LYS:HA	17	0.12
(1,8664)	1:460:A:LEU:HD21	1:465:A:ASP:HA	18	0.12
(1,8664)	1:460:A:LEU:HD22	1:465:A:ASP:HA	18	0.12
(1,8664)	1:460:A:LEU:HD23	1:465:A:ASP:HA	18	0.12
(1,8612)	1:451:A:ARG:HA	1:455:A:ILE:H	7	0.12
(1,8612)	1:451:A:ARG:HA	1:455:A:ILE:H	20	0.12
(1,8608)	1:451:A:ARG:HA	1:457:A:VAL:HG21	7	0.12
(1,8608)	1:451:A:ARG:HA	1:457:A:VAL:HG22	7	0.12
(1,8608)	1:451:A:ARG:HA	1:457:A:VAL:HG23	7	0.12
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG11	8	0.12
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG12	8	0.12
(1,8556)	1:447:A:LEU:HA	1:457:A:VAL:HG13	8	0.12
(1,8428)	1:436:A:ASP:HA	1:463:A:ARG:HA	5	0.12
(1,8404)	1:434:A:THR:H	1:482:A:SER:HA	13	0.12
(1,8368)	1:432:A:TYR:H	1:482:A:SER:HA	13	0.12
(1,8368)	1:432:A:TYR:H	1:482:A:SER:HA	15	0.12
(1,8015)	1:405:A:THR:HA	1:408:A:ASP:HA	13	0.12
(1,8014)	1:405:A:THR:HG21	1:442:A:LYS:HG3	16	0.12
(1,8014)	1:405:A:THR:HG21	1:442:A:LYS:HG2	16	0.12
(1,8014)	1:405:A:THR:HG22	1:442:A:LYS:HG3	16	0.12
(1,8014)	1:405:A:THR:HG22	1:442:A:LYS:HG2	16	0.12
(1,8014)	1:405:A:THR:HG23	1:442:A:LYS:HG3	16	0.12
(1,8014)	1:405:A:THR:HG23	1:442:A:LYS:HG2	16	0.12
(1,7885)	1:401:A:ARG:HD3	1:415:A:SER:HA	19	0.12
(1,7885)	1:401:A:ARG:HD2	1:415:A:SER:HA	19	0.12
(1,7749)	1:390:A:PHE:HE1	1:393:A:GLN:HE21	1	0.12
(1,7749)	1:390:A:PHE:HE1	1:393:A:GLN:HE22	1	0.12
(1,7749)	1:390:A:PHE:HE2	1:393:A:GLN:HE21	1	0.12
(1,7749)	1:390:A:PHE:HE2	1:393:A:GLN:HE22	1	0.12
(1,7749)	1:390:A:PHE:HE1	1:393:A:GLN:HE21	8	0.12
(1,7749)	1:390:A:PHE:HE1	1:393:A:GLN:HE22	8	0.12
(1,7749)	1:390:A:PHE:HE2	1:393:A:GLN:HE21	8	0.12
(1,7749)	1:390:A:PHE:HE2	1:393:A:GLN:HE22	8	0.12
(1,7697)	1:386:A:PRO:HG3	1:400:A:LEU:HD11	17	0.12
(1,7697)	1:386:A:PRO:HG3	1:400:A:LEU:HD12	17	0.12
(1,7697)	1:386:A:PRO:HG3	1:400:A:LEU:HD13	17	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7697)	1:386:A:PRO:HG2	1:400:A:LEU:HD11	17	0.12
(1,7697)	1:386:A:PRO:HG2	1:400:A:LEU:HD12	17	0.12
(1,7697)	1:386:A:PRO:HG2	1:400:A:LEU:HD13	17	0.12
(1,7529)	1:376:A:GLN:HG3	1:412:A:GLN:HE21	12	0.12
(1,7529)	1:376:A:GLN:HG3	1:412:A:GLN:HE22	12	0.12
(1,7529)	1:376:A:GLN:HG2	1:412:A:GLN:HE21	12	0.12
(1,7529)	1:376:A:GLN:HG2	1:412:A:GLN:HE22	12	0.12
(1,7528)	1:376:A:GLN:HA	1:412:A:GLN:HE21	12	0.12
(1,7528)	1:376:A:GLN:HA	1:412:A:GLN:HE22	12	0.12
(1,7493)	1:375:A:TRP:HZ2	1:402:A:PHE:HA	4	0.12
(1,7142)	1:352:A:LEU:HA	1:355:A:ARG:HD3	14	0.12
(1,7142)	1:352:A:LEU:HA	1:355:A:ARG:HD2	14	0.12
(1,7069)	1:346:A:ARG:HA	1:349:A:ARG:HG3	19	0.12
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD11	18	0.12
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD12	18	0.12
(1,6930)	1:334:A:VAL:HA	1:338:A:ILE:HD13	18	0.12
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG21	18	0.12
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG22	18	0.12
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG23	18	0.12
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG21	18	0.12
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG22	18	0.12
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG23	18	0.12
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG21	18	0.12
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG22	18	0.12
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG23	18	0.12
(1,6686)	1:314:A:MET:HB3	1:316:A:ASN:HA	12	0.12
(1,6686)	1:314:A:MET:HB2	1:316:A:ASN:HA	12	0.12
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD3	5	0.12
(1,6245)	1:294:A:LYS:H	1:319:A:ARG:HD2	5	0.12
(1,6224)	1:290:A:ASN:HB3	1:292:A:ASP:H	3	0.12
(1,6224)	1:290:A:ASN:HB2	1:292:A:ASP:H	3	0.12
(1,6224)	1:290:A:ASN:HB3	1:292:A:ASP:H	12	0.12
(1,6224)	1:290:A:ASN:HB2	1:292:A:ASP:H	12	0.12
(1,6173)	1:287:A:ASP:HB3	1:294:A:LYS:HB3	7	0.12
(1,6173)	1:287:A:ASP:HB3	1:294:A:LYS:HB2	7	0.12
(1,6173)	1:287:A:ASP:HB2	1:294:A:LYS:HB3	7	0.12
(1,6173)	1:287:A:ASP:HB2	1:294:A:LYS:HB2	7	0.12
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD21	2	0.12
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD22	2	0.12
(1,5734)	1:263:A:TRP:HZ3	1:370:A:LYS:HZ3	10	0.12
(1,5515)	1:250:A:TYR:HE1	1:322:A:ARG:HB3	9	0.12
(1,5515)	1:250:A:TYR:HE1	1:322:A:ARG:HB2	9	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5515)	1:250:A:TYR:HE2	1:322:A:ARG:HB3	9	0.12
(1,5515)	1:250:A:TYR:HE2	1:322:A:ARG:HB2	9	0.12
(1,5274)	1:234:A:TRP:HD1	1:276:A:SER:HA	1	0.12
(1,5274)	1:234:A:TRP:HD1	1:276:A:SER:HA	13	0.12
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG21	10	0.12
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG22	10	0.12
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG23	10	0.12
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG21	10	0.12
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG22	10	0.12
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG23	10	0.12
(1,5027)	1:216:A:LYS:HE3	1:221:A:VAL:HB	2	0.12
(1,5027)	1:216:A:LYS:HE2	1:221:A:VAL:HB	2	0.12
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	4	0.12
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	4	0.12
(1,4701)	1:205:A:ALA:HA	1:231:A:GLN:H	18	0.12
(1,4669)	1:204:A:ILE:HB	1:228:A:ASN:HD21	9	0.12
(1,4669)	1:204:A:ILE:HB	1:228:A:ASN:HD22	9	0.12
(1,4664)	1:204:A:ILE:H	1:230:A:ALA:HA	15	0.12
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG3	16	0.12
(1,4626)	1:203:A:HIS:HE1	1:248:A:GLU:HG2	16	0.12
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD3	18	0.12
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD2	18	0.12
(1,4182)	1:186:A:GLU:HA	1:191:A:TRP:HZ2	7	0.12
(1,4182)	1:186:A:GLU:HA	1:191:A:TRP:HZ2	17	0.12
(1,4133)	1:182:A:GLU:HG3	1:183:A:GLY:H	5	0.12
(1,4133)	1:182:A:GLU:HG2	1:183:A:GLY:H	5	0.12
(1,4133)	1:182:A:GLU:HG3	1:183:A:GLY:H	20	0.12
(1,4133)	1:182:A:GLU:HG2	1:183:A:GLY:H	20	0.12
(1,3914)	1:159:A:GLU:HG3	1:160:A:GLY:H	12	0.12
(1,3914)	1:159:A:GLU:HG2	1:160:A:GLY:H	12	0.12
(1,3048)	1:125:A:VAL:HA	1:128:A:TYR:HB3	14	0.12
(1,3048)	1:125:A:VAL:HA	1:128:A:TYR:HB2	14	0.12
(1,2989)	1:122:A:GLN:HG3	1:255:A:HIS:HD2	2	0.12
(1,2989)	1:122:A:GLN:HG2	1:255:A:HIS:HD2	2	0.12
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	11	0.12
(1,2819)	1:111:A:SER:H	1:114:A:ALA:H	4	0.12
(1,2812)	1:110:A:GLY:H	1:112:A:ASP:H	4	0.12
(1,2793)	1:109:A:LEU:HD11	1:112:A:ASP:HA	11	0.12
(1,2793)	1:109:A:LEU:HD12	1:112:A:ASP:HA	11	0.12
(1,2793)	1:109:A:LEU:HD13	1:112:A:ASP:HA	11	0.12
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB1	8	0.12
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB2	8	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB3	8	0.12
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB1	8	0.12
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB2	8	0.12
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB3	8	0.12
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB1	15	0.12
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB2	15	0.12
(1,2724)	1:106:A:LEU:HB3	1:114:A:ALA:HB3	15	0.12
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB1	15	0.12
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB2	15	0.12
(1,2724)	1:106:A:LEU:HB2	1:114:A:ALA:HB3	15	0.12
(1,2701)	1:105:A:PHE:HD2	1:110:A:GLY:H	20	0.12
(1,2636)	1:102:A:THR:HA	1:107:A:GLU:HB3	19	0.12
(1,2636)	1:102:A:THR:HA	1:107:A:GLU:HB2	19	0.12
(1,2630)	1:102:A:THR:HG21	1:117:A:SER:HA	17	0.12
(1,2630)	1:102:A:THR:HG22	1:117:A:SER:HA	17	0.12
(1,2630)	1:102:A:THR:HG23	1:117:A:SER:HA	17	0.12
(1,2629)	1:102:A:THR:HB	1:117:A:SER:HA	13	0.12
(1,2609)	1:100:A:SER:HB3	1:101:A:GLY:H	11	0.12
(1,2609)	1:100:A:SER:HB2	1:101:A:GLY:H	11	0.12
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA3	6	0.12
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA2	6	0.12
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA3	6	0.12
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA2	6	0.12
(1,2594)	1:99:A:LYS:HE3	1:101:A:GLY:H	15	0.12
(1,2594)	1:99:A:LYS:HE2	1:101:A:GLY:H	15	0.12
(1,2529)	1:96:A:THR:HB	1:97:A:ILE:HA	7	0.12
(1,2109)	1:84:A:GLY:HA3	1:141:A:THR:HB	18	0.12
(1,2109)	1:84:A:GLY:HA2	1:141:A:THR:HB	18	0.12
(1,2040)	1:81:A:ASN:HA	1:169:A:LYS:HZ2	13	0.12
(1,1835)	1:75:A:THR:HB	1:178:A:LEU:H	7	0.12
(1,1835)	1:75:A:THR:HB	1:178:A:LEU:H	18	0.12
(1,1835)	1:75:A:THR:HB	1:178:A:LEU:H	19	0.12
(1,1774)	1:72:A:ASP:HA	1:74:A:ARG:HG3	8	0.12
(1,1774)	1:72:A:ASP:HA	1:74:A:ARG:HG2	8	0.12
(1,1627)	1:68:A:SER:H	1:77:A:THR:HB	3	0.12
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	4	0.12
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	4	0.12
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	7	0.12
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	7	0.12
(1,1334)	1:63:A:LEU:HD21	1:172:A:ARG:HH21	1	0.12
(1,1334)	1:63:A:LEU:HD21	1:172:A:ARG:HH22	1	0.12
(1,1334)	1:63:A:LEU:HD22	1:172:A:ARG:HH21	1	0.12

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1334)	1:63:A:LEU:HD22	1:172:A:ARG:HH22	1	0.12
(1,1334)	1:63:A:LEU:HD23	1:172:A:ARG:HH21	1	0.12
(1,1334)	1:63:A:LEU:HD23	1:172:A:ARG:HH22	1	0.12
(1,1273)	1:58:A:GLU:HG3	1:145:A:GLY:HA3	3	0.12
(1,1273)	1:58:A:GLU:HG3	1:145:A:GLY:HA2	3	0.12
(1,1273)	1:58:A:GLU:HG2	1:145:A:GLY:HA3	3	0.12
(1,1273)	1:58:A:GLU:HG2	1:145:A:GLY:HA2	3	0.12
(1,1023)	1:47:A:ARG:HE	1:63:A:LEU:H	16	0.12
(1,807)	1:41:A:ASP:HA	1:44:A:ASP:HB3	9	0.12
(1,807)	1:41:A:ASP:HA	1:44:A:ASP:HB2	9	0.12
(1,574)	1:34:A:GLU:HA	1:37:A:SER:HB3	8	0.12
(1,574)	1:34:A:GLU:HA	1:37:A:SER:HB2	8	0.12
(1,334)	1:29:A:GLU:HB3	1:196:A:ILE:HG21	16	0.12
(1,334)	1:29:A:GLU:HB3	1:196:A:ILE:HG22	16	0.12
(1,334)	1:29:A:GLU:HB3	1:196:A:ILE:HG23	16	0.12
(1,334)	1:29:A:GLU:HB2	1:196:A:ILE:HG21	16	0.12
(1,334)	1:29:A:GLU:HB2	1:196:A:ILE:HG22	16	0.12
(1,334)	1:29:A:GLU:HB2	1:196:A:ILE:HG23	16	0.12
(1,327)	1:29:A:GLU:HA	1:196:A:ILE:HD12	12	0.12
(1,324)	1:29:A:GLU:HB3	1:200:A:TYR:HE1	20	0.12
(1,324)	1:29:A:GLU:HB2	1:200:A:TYR:HE1	20	0.12
(1,2)	1:15:A:GLN:HA	1:286:A:TRP:HD1	18	0.12
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB1	18	0.11
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB2	18	0.11
(1,24219)	1:450:B:LEU:HD21	2:101:C:ALA:HB3	18	0.11
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB1	18	0.11
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB2	18	0.11
(1,24219)	1:450:B:LEU:HD22	2:101:C:ALA:HB3	18	0.11
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB1	18	0.11
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB2	18	0.11
(1,24219)	1:450:B:LEU:HD23	2:101:C:ALA:HB3	18	0.11
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE1	13	0.11
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE2	13	0.11
(1,24212)	1:400:B:LEU:HD11	2:90:C:MET:HE3	13	0.11
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE1	13	0.11
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE2	13	0.11
(1,24212)	1:400:B:LEU:HD12	2:90:C:MET:HE3	13	0.11
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE1	13	0.11
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE2	13	0.11
(1,24212)	1:400:B:LEU:HD13	2:90:C:MET:HE3	13	0.11
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD21	6	0.11
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD22	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD23	6	0.11
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD21	6	0.11
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD22	6	0.11
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD23	6	0.11
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD21	6	0.11
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD22	6	0.11
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD23	6	0.11
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD21	17	0.11
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD22	17	0.11
(1,24206)	1:399:B:LEU:HD11	2:81:C:LEU:HD23	17	0.11
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD21	17	0.11
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD22	17	0.11
(1,24206)	1:399:B:LEU:HD12	2:81:C:LEU:HD23	17	0.11
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD21	17	0.11
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD22	17	0.11
(1,24206)	1:399:B:LEU:HD13	2:81:C:LEU:HD23	17	0.11
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD21	5	0.11
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD22	5	0.11
(1,24200)	1:396:A:ILE:HD11	2:29:C:LEU:HD23	5	0.11
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD21	5	0.11
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD22	5	0.11
(1,24200)	1:396:A:ILE:HD12	2:29:C:LEU:HD23	5	0.11
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD21	5	0.11
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD22	5	0.11
(1,24200)	1:396:A:ILE:HD13	2:29:C:LEU:HD23	5	0.11
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD21	2	0.11
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD22	2	0.11
(1,24194)	1:455:A:ILE:HD11	2:6:C:LEU:HD23	2	0.11
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD21	2	0.11
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD22	2	0.11
(1,24194)	1:455:A:ILE:HD12	2:6:C:LEU:HD23	2	0.11
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD21	2	0.11
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD22	2	0.11
(1,24194)	1:455:A:ILE:HD13	2:6:C:LEU:HD23	2	0.11
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD21	12	0.11
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD22	12	0.11
(1,24193)	1:460:A:LEU:HD21	2:17:C:LEU:HD23	12	0.11
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD21	12	0.11
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD22	12	0.11
(1,24193)	1:460:A:LEU:HD22	2:17:C:LEU:HD23	12	0.11
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD21	12	0.11
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD22	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24193)	1:460:A:LEU:HD23	2:17:C:LEU:HD23	12	0.11
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG21	20	0.11
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG22	20	0.11
(1,24190)	1:467:A:TRP:HE3	2:25:C:THR:HG23	20	0.11
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE1	13	0.11
(1,24188)	1:317:A:TYR:HD1	2:26:C:PHE:HE2	13	0.11
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE1	13	0.11
(1,24188)	1:317:A:TYR:HD2	2:26:C:PHE:HE2	13	0.11
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD21	7	0.11
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD22	7	0.11
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD23	7	0.11
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD21	7	0.11
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD22	7	0.11
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD23	7	0.11
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD11	19	0.11
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD12	19	0.11
(1,24183)	1:459:A:LEU:HD21	2:10:C:ILE:HD13	19	0.11
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD11	19	0.11
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD12	19	0.11
(1,24183)	1:459:A:LEU:HD22	2:10:C:ILE:HD13	19	0.11
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD11	19	0.11
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD12	19	0.11
(1,24183)	1:459:A:LEU:HD23	2:10:C:ILE:HD13	19	0.11
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	8	0.11
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	8	0.11
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	8	0.11
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	8	0.11
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	8	0.11
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	8	0.11
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	8	0.11
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	8	0.11
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	8	0.11
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	10	0.11
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	10	0.11
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	10	0.11
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	10	0.11
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	10	0.11
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	10	0.11
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	10	0.11
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	10	0.11
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	10	0.11
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	18	0.11
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	18	0.11
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	18	0.11
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	18	0.11
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	18	0.11
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	18	0.11
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	18	0.11
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	18	0.11
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG11	2	0.11
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG12	2	0.11
(1,24173)	1:357:A:LEU:HD11	2:31:C:VAL:HG13	2	0.11
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG11	2	0.11
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG12	2	0.11
(1,24173)	1:357:A:LEU:HD12	2:31:C:VAL:HG13	2	0.11
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG11	2	0.11
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG12	2	0.11
(1,24173)	1:357:A:LEU:HD13	2:31:C:VAL:HG13	2	0.11
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB1	17	0.11
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB2	17	0.11
(1,24159)	1:450:A:LEU:HD11	2:9:C:ALA:HB3	17	0.11
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB1	17	0.11
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB2	17	0.11
(1,24159)	1:450:A:LEU:HD12	2:9:C:ALA:HB3	17	0.11
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB1	17	0.11
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB2	17	0.11
(1,24159)	1:450:A:LEU:HD13	2:9:C:ALA:HB3	17	0.11
(1,24008)	1:615:B:ILE:HA	1:618:B:MET:HB3	6	0.11
(1,24008)	1:615:B:ILE:HA	1:618:B:MET:HB2	6	0.11
(1,23901)	1:610:B:ASP:HA	1:612:B:ASN:HD21	13	0.11
(1,23901)	1:610:B:ASP:HA	1:612:B:ASN:HD22	13	0.11
(1,23575)	1:595:B:LEU:HD21	1:599:B:GLN:HE21	12	0.11
(1,23575)	1:595:B:LEU:HD21	1:599:B:GLN:HE22	12	0.11
(1,23575)	1:595:B:LEU:HD22	1:599:B:GLN:HE21	12	0.11
(1,23575)	1:595:B:LEU:HD22	1:599:B:GLN:HE22	12	0.11
(1,23575)	1:595:B:LEU:HD23	1:599:B:GLN:HE21	12	0.11
(1,23575)	1:595:B:LEU:HD23	1:599:B:GLN:HE22	12	0.11
(1,23079)	1:574:B:HIS:HE1	1:575:B:VAL:HB	17	0.11
(1,23059)	1:574:B:HIS:HD2	1:596:B:LEU:HD21	16	0.11
(1,23059)	1:574:B:HIS:HD2	1:596:B:LEU:HD22	16	0.11
(1,23059)	1:574:B:HIS:HD2	1:596:B:LEU:HD23	16	0.11
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG11	18	0.11
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG12	18	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22815)	1:561:B:VAL:H	1:564:B:VAL:HG13	18	0.11
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	3	0.11
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	3	0.11
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	4	0.11
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	4	0.11
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG3	11	0.11
(1,22744)	1:559:B:GLN:HE21	1:609:B:GLU:HG2	11	0.11
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG3	11	0.11
(1,22744)	1:559:B:GLN:HE22	1:609:B:GLU:HG2	11	0.11
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	9	0.11
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	9	0.11
(1,22703)	1:557:B:ALA:H	1:562:B:PRO:HB3	5	0.11
(1,22703)	1:557:B:ALA:H	1:562:B:PRO:HB2	5	0.11
(1,22680)	1:556:B:ALA:HA	1:562:B:PRO:HG3	17	0.11
(1,22680)	1:556:B:ALA:HA	1:562:B:PRO:HG2	17	0.11
(1,22665)	1:555:B:ALA:H	1:558:B:GLY:H	4	0.11
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	20	0.11
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	20	0.11
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	20	0.11
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	20	0.11
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	20	0.11
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	20	0.11
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG21	6	0.11
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG22	6	0.11
(1,22630)	1:554:B:PHE:HZ	1:564:B:VAL:HG23	6	0.11
(1,22581)	1:552:B:LYS:HG3	1:556:B:ALA:HB1	7	0.11
(1,22581)	1:552:B:LYS:HG3	1:556:B:ALA:HB2	7	0.11
(1,22581)	1:552:B:LYS:HG3	1:556:B:ALA:HB3	7	0.11
(1,22581)	1:552:B:LYS:HG2	1:556:B:ALA:HB1	7	0.11
(1,22581)	1:552:B:LYS:HG2	1:556:B:ALA:HB2	7	0.11
(1,22581)	1:552:B:LYS:HG2	1:556:B:ALA:HB3	7	0.11
(1,22548)	1:550:B:MET:HE1	1:553:B:LEU:HD21	9	0.11
(1,22548)	1:550:B:MET:HE1	1:553:B:LEU:HD22	9	0.11
(1,22548)	1:550:B:MET:HE1	1:553:B:LEU:HD23	9	0.11
(1,22548)	1:550:B:MET:HE2	1:553:B:LEU:HD21	9	0.11
(1,22548)	1:550:B:MET:HE2	1:553:B:LEU:HD22	9	0.11
(1,22548)	1:550:B:MET:HE2	1:553:B:LEU:HD23	9	0.11
(1,22548)	1:550:B:MET:HE3	1:553:B:LEU:HD21	9	0.11
(1,22548)	1:550:B:MET:HE3	1:553:B:LEU:HD22	9	0.11
(1,22548)	1:550:B:MET:HE3	1:553:B:LEU:HD23	9	0.11
(1,22495)	1:548:B:THR:HA	1:560:B:LYS:HA	20	0.11
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22469)	1:547:B:SER:HA	1:550:B:MET:HB2	17	0.11
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB3	5	0.11
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB2	5	0.11
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB3	7	0.11
(1,22468)	1:547:B:SER:H	1:550:B:MET:HB2	7	0.11
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	9	0.11
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	9	0.11
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	9	0.11
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	9	0.11
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	1	0.11
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	1	0.11
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	1	0.11
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	1	0.11
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD3	16	0.11
(1,22465)	1:547:B:SER:HB3	1:552:B:LYS:HD2	16	0.11
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD3	16	0.11
(1,22465)	1:547:B:SER:HB2	1:552:B:LYS:HD2	16	0.11
(1,22444)	1:547:B:SER:HA	1:564:B:VAL:HA	18	0.11
(1,22432)	1:546:B:MET:HE1	1:548:B:THR:H	8	0.11
(1,22432)	1:546:B:MET:HE2	1:548:B:THR:H	8	0.11
(1,22432)	1:546:B:MET:HE3	1:548:B:THR:H	8	0.11
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD3	4	0.11
(1,22404)	1:546:B:MET:HB3	1:605:B:ARG:HD2	4	0.11
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD3	4	0.11
(1,22404)	1:546:B:MET:HB2	1:605:B:ARG:HD2	4	0.11
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD11	11	0.11
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD12	11	0.11
(1,22384)	1:545:B:GLU:HG3	1:553:B:LEU:HD13	11	0.11
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD11	11	0.11
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD12	11	0.11
(1,22384)	1:545:B:GLU:HG2	1:553:B:LEU:HD13	11	0.11
(1,22372)	1:544:B:ASP:HB3	1:548:B:THR:HG21	16	0.11
(1,22372)	1:544:B:ASP:HB3	1:548:B:THR:HG22	16	0.11
(1,22372)	1:544:B:ASP:HB3	1:548:B:THR:HG23	16	0.11
(1,22372)	1:544:B:ASP:HB2	1:548:B:THR:HG21	16	0.11
(1,22372)	1:544:B:ASP:HB2	1:548:B:THR:HG22	16	0.11
(1,22372)	1:544:B:ASP:HB2	1:548:B:THR:HG23	16	0.11
(1,22326)	1:541:B:THR:HG21	1:542:B:ASP:H	8	0.11
(1,22326)	1:541:B:THR:HG22	1:542:B:ASP:H	8	0.11
(1,22326)	1:541:B:THR:HG23	1:542:B:ASP:H	8	0.11
(1,22054)	1:535:B:THR:HA	1:574:B:HIS:HD2	10	0.11
(1,21950)	1:529:B:THR:HG21	1:530:B:HIS:H	6	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,21950)	1:529:B:THR:HG22	1:530:B:HIS:H	6	0.11
(1,21950)	1:529:B:THR:HG23	1:530:B:HIS:H	6	0.11
(1,21756)	1:524:B:LYS:H	1:567:B:ILE:HA	13	0.11
(1,21683)	1:522:B:ARG:HA	1:560:B:LYS:HE3	5	0.11
(1,21683)	1:522:B:ARG:HA	1:560:B:LYS:HE2	5	0.11
(1,21548)	1:516:B:LYS:HE3	1:520:B:GLY:HA3	13	0.11
(1,21548)	1:516:B:LYS:HE3	1:520:B:GLY:HA2	13	0.11
(1,21548)	1:516:B:LYS:HE2	1:520:B:GLY:HA3	13	0.11
(1,21548)	1:516:B:LYS:HE2	1:520:B:GLY:HA2	13	0.11
(1,21439)	1:514:B:ARG:HB3	1:589:B:PHE:HZ	10	0.11
(1,21439)	1:514:B:ARG:HB2	1:589:B:PHE:HZ	10	0.11
(1,21209)	1:506:B:LYS:HA	1:509:B:THR:HG21	11	0.11
(1,21209)	1:506:B:LYS:HA	1:509:B:THR:HG22	11	0.11
(1,21209)	1:506:B:LYS:HA	1:509:B:THR:HG23	11	0.11
(1,21130)	1:503:B:GLU:HA	1:507:B:ALA:H	19	0.11
(1,21084)	1:501:B:ALA:HA	1:530:B:HIS:HE1	14	0.11
(1,21075)	1:500:B:SER:HB3	1:502:B:LYS:H	16	0.11
(1,21075)	1:500:B:SER:HB2	1:502:B:LYS:H	16	0.11
(1,21045)	1:499:B:GLU:HG3	1:501:B:ALA:H	16	0.11
(1,21045)	1:499:B:GLU:HG2	1:501:B:ALA:H	16	0.11
(1,20991)	1:497:B:VAL:HB	1:531:B:ARG:HA	5	0.11
(1,20942)	1:495:B:ASP:HA	1:530:B:HIS:HD2	14	0.11
(1,20938)	1:490:B:LEU:H	1:491:B:GLU:H	14	0.11
(1,20926)	1:481:B:GLN:HE21	1:482:B:SER:H	10	0.11
(1,20926)	1:481:B:GLN:HE22	1:482:B:SER:H	10	0.11
(1,20888)	1:474:B:GLU:HG3	1:475:B:PHE:H	17	0.11
(1,20888)	1:474:B:GLU:HG2	1:475:B:PHE:H	17	0.11
(1,20881)	1:474:B:GLU:HG3	1:478:B:LYS:HA	17	0.11
(1,20881)	1:474:B:GLU:HG2	1:478:B:LYS:HA	17	0.11
(1,20880)	1:474:B:GLU:HG3	1:478:B:LYS:H	13	0.11
(1,20880)	1:474:B:GLU:HG2	1:478:B:LYS:H	13	0.11
(1,20858)	1:472:B:LEU:HD21	1:474:B:GLU:H	6	0.11
(1,20858)	1:472:B:LEU:HD22	1:474:B:GLU:H	6	0.11
(1,20858)	1:472:B:LEU:HD23	1:474:B:GLU:H	6	0.11
(1,20587)	1:442:B:LYS:HA	1:459:B:LEU:HD21	16	0.11
(1,20587)	1:442:B:LYS:HA	1:459:B:LEU:HD22	16	0.11
(1,20587)	1:442:B:LYS:HA	1:459:B:LEU:HD23	16	0.11
(1,20478)	1:433:B:ILE:HB	1:447:B:LEU:HD21	8	0.11
(1,20478)	1:433:B:ILE:HB	1:447:B:LEU:HD22	8	0.11
(1,20478)	1:433:B:ILE:HB	1:447:B:LEU:HD23	8	0.11
(1,20478)	1:433:B:ILE:HB	1:447:B:LEU:HD21	12	0.11
(1,20478)	1:433:B:ILE:HB	1:447:B:LEU:HD22	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,20478)	1:433:B:ILE:HB	1:447:B:LEU:HD23	12	0.11
(1,20446)	1:432:B:TYR:H	1:482:B:SER:HA	1	0.11
(1,20446)	1:432:B:TYR:H	1:482:B:SER:HA	16	0.11
(1,20371)	1:428:B:GLU:HA	1:478:B:LYS:HG3	10	0.11
(1,20371)	1:428:B:GLU:HA	1:478:B:LYS:HG2	10	0.11
(1,20354)	1:427:B:GLN:HG3	1:478:B:LYS:HG3	19	0.11
(1,20354)	1:427:B:GLN:HG3	1:478:B:LYS:HG2	19	0.11
(1,20354)	1:427:B:GLN:HG2	1:478:B:LYS:HG3	19	0.11
(1,20354)	1:427:B:GLN:HG2	1:478:B:LYS:HG2	19	0.11
(1,20332)	1:424:B:LYS:HG3	1:454:B:GLY:HA3	8	0.11
(1,20332)	1:424:B:LYS:HG3	1:454:B:GLY:HA2	8	0.11
(1,20332)	1:424:B:LYS:HG2	1:454:B:GLY:HA3	8	0.11
(1,20332)	1:424:B:LYS:HG2	1:454:B:GLY:HA2	8	0.11
(1,20330)	1:424:B:LYS:HG3	1:455:B:ILE:HA	20	0.11
(1,20330)	1:424:B:LYS:HG2	1:455:B:ILE:HA	20	0.11
(1,20198)	1:416:B:LEU:HB3	1:475:B:PHE:HZ	13	0.11
(1,20198)	1:416:B:LEU:HB2	1:475:B:PHE:HZ	13	0.11
(1,20173)	1:414:B:VAL:HG21	1:418:B:ASP:H	19	0.11
(1,20173)	1:414:B:VAL:HG22	1:418:B:ASP:H	19	0.11
(1,20173)	1:414:B:VAL:HG23	1:418:B:ASP:H	19	0.11
(1,20145)	1:410:B:SER:HA	1:438:B:TYR:HE1	10	0.11
(1,20145)	1:410:B:SER:HA	1:438:B:TYR:HE2	10	0.11
(1,20143)	1:410:B:SER:HA	1:438:B:TYR:HD1	19	0.11
(1,20143)	1:410:B:SER:HA	1:438:B:TYR:HD2	19	0.11
(1,20092)	1:405:B:THR:HG21	1:442:B:LYS:HG3	16	0.11
(1,20092)	1:405:B:THR:HG21	1:442:B:LYS:HG2	16	0.11
(1,20092)	1:405:B:THR:HG22	1:442:B:LYS:HG3	16	0.11
(1,20092)	1:405:B:THR:HG22	1:442:B:LYS:HG2	16	0.11
(1,20092)	1:405:B:THR:HG23	1:442:B:LYS:HG3	16	0.11
(1,20092)	1:405:B:THR:HG23	1:442:B:LYS:HG2	16	0.11
(1,20079)	1:405:B:THR:H	1:457:B:VAL:HB	13	0.11
(1,20043)	1:404:B:SER:HB3	1:458:B:LEU:HD21	6	0.11
(1,20043)	1:404:B:SER:HB3	1:458:B:LEU:HD22	6	0.11
(1,20043)	1:404:B:SER:HB3	1:458:B:LEU:HD23	6	0.11
(1,20043)	1:404:B:SER:HB2	1:458:B:LEU:HD21	6	0.11
(1,20043)	1:404:B:SER:HB2	1:458:B:LEU:HD22	6	0.11
(1,20043)	1:404:B:SER:HB2	1:458:B:LEU:HD23	6	0.11
(1,20019)	1:403:B:ALA:HA	1:414:B:VAL:HB	5	0.11
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD11	1	0.11
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD12	1	0.11
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD13	1	0.11
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD11	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD12	7	0.11
(1,19976)	1:402:B:PHE:HZ	1:472:B:LEU:HD13	7	0.11
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD11	2	0.11
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD12	2	0.11
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD13	2	0.11
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD11	2	0.11
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD12	2	0.11
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD13	2	0.11
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD11	2	0.11
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD12	2	0.11
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD13	2	0.11
(1,19867)	1:394:B:GLU:HA	1:475:B:PHE:HA	17	0.11
(1,19847)	1:393:B:GLN:HE21	1:474:B:GLU:HB3	13	0.11
(1,19847)	1:393:B:GLN:HE21	1:474:B:GLU:HB2	13	0.11
(1,19847)	1:393:B:GLN:HE22	1:474:B:GLU:HB3	13	0.11
(1,19847)	1:393:B:GLN:HE22	1:474:B:GLU:HB2	13	0.11
(1,19801)	1:387:B:ALA:H	1:467:B:TRP:HH2	11	0.11
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD11	15	0.11
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD12	15	0.11
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD13	15	0.11
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	11	0.11
(1,19738)	1:384:B:GLU:HA	1:467:B:TRP:HH2	13	0.11
(1,19738)	1:384:B:GLU:HA	1:467:B:TRP:HH2	14	0.11
(1,19738)	1:384:B:GLU:HA	1:467:B:TRP:HH2	18	0.11
(1,19673)	1:381:B:VAL:HA	1:384:B:GLU:H	15	0.11
(1,19661)	1:380:B:LEU:HA	1:383:B:LYS:HD3	5	0.11
(1,19661)	1:380:B:LEU:HA	1:383:B:LYS:HD2	5	0.11
(1,19650)	1:380:B:LEU:HD22	1:464:B:ILE:H	20	0.11
(1,19280)	1:357:B:LEU:HA	1:399:B:LEU:HD11	16	0.11
(1,19280)	1:357:B:LEU:HA	1:399:B:LEU:HD12	16	0.11
(1,19280)	1:357:B:LEU:HA	1:399:B:LEU:HD13	16	0.11
(1,19147)	1:346:B:ARG:HA	1:349:B:ARG:HG3	18	0.11
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG21	3	0.11
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG22	3	0.11
(1,19054)	1:338:B:ILE:HD11	1:345:B:THR:HG23	3	0.11
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG21	3	0.11
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG22	3	0.11
(1,19054)	1:338:B:ILE:HD12	1:345:B:THR:HG23	3	0.11
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG21	3	0.11
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG22	3	0.11
(1,19054)	1:338:B:ILE:HD13	1:345:B:THR:HG23	3	0.11
(1,19047)	1:337:B:GLU:HA	1:340:B:GLN:HB3	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19047)	1:337:B:GLU:HA	1:340:B:GLN:HB2	17	0.11
(1,18903)	1:322:B:ARG:HD3	1:323:B:GLY:H	8	0.11
(1,18903)	1:322:B:ARG:HD2	1:323:B:GLY:H	8	0.11
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD21	5	0.11
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD22	5	0.11
(1,18892)	1:321:B:VAL:HG21	1:352:B:LEU:HD23	5	0.11
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD21	5	0.11
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD22	5	0.11
(1,18892)	1:321:B:VAL:HG22	1:352:B:LEU:HD23	5	0.11
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD21	5	0.11
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD22	5	0.11
(1,18892)	1:321:B:VAL:HG23	1:352:B:LEU:HD23	5	0.11
(1,18879)	1:320:B:PHE:HA	1:322:B:ARG:HG3	10	0.11
(1,18879)	1:320:B:PHE:HA	1:322:B:ARG:HG2	10	0.11
(1,18833)	1:318:B:LEU:HD21	1:356:B:VAL:HG11	11	0.11
(1,18833)	1:318:B:LEU:HD21	1:356:B:VAL:HG12	11	0.11
(1,18833)	1:318:B:LEU:HD21	1:356:B:VAL:HG13	11	0.11
(1,18833)	1:318:B:LEU:HD22	1:356:B:VAL:HG11	11	0.11
(1,18833)	1:318:B:LEU:HD22	1:356:B:VAL:HG12	11	0.11
(1,18833)	1:318:B:LEU:HD22	1:356:B:VAL:HG13	11	0.11
(1,18833)	1:318:B:LEU:HD23	1:356:B:VAL:HG11	11	0.11
(1,18833)	1:318:B:LEU:HD23	1:356:B:VAL:HG12	11	0.11
(1,18833)	1:318:B:LEU:HD23	1:356:B:VAL:HG13	11	0.11
(1,18720)	1:313:B:PHE:HA	1:348:B:LEU:HB3	10	0.11
(1,18720)	1:313:B:PHE:HA	1:348:B:LEU:HB2	10	0.11
(1,18720)	1:313:B:PHE:HA	1:348:B:LEU:HB3	19	0.11
(1,18720)	1:313:B:PHE:HA	1:348:B:LEU:HB2	19	0.11
(1,18647)	1:307:B:MET:HE1	1:334:B:VAL:HG11	2	0.11
(1,18647)	1:307:B:MET:HE1	1:334:B:VAL:HG12	2	0.11
(1,18647)	1:307:B:MET:HE1	1:334:B:VAL:HG13	2	0.11
(1,18647)	1:307:B:MET:HE2	1:334:B:VAL:HG11	2	0.11
(1,18647)	1:307:B:MET:HE2	1:334:B:VAL:HG12	2	0.11
(1,18647)	1:307:B:MET:HE2	1:334:B:VAL:HG13	2	0.11
(1,18647)	1:307:B:MET:HE3	1:334:B:VAL:HG11	2	0.11
(1,18647)	1:307:B:MET:HE3	1:334:B:VAL:HG12	2	0.11
(1,18647)	1:307:B:MET:HE3	1:334:B:VAL:HG13	2	0.11
(1,18592)	1:302:B:GLN:HA	1:328:B:SER:HA	14	0.11
(1,18592)	1:302:B:GLN:HA	1:328:B:SER:HA	18	0.11
(1,18429)	1:298:B:LYS:H	1:322:B:ARG:HD3	12	0.11
(1,18429)	1:298:B:LYS:H	1:322:B:ARG:HD2	12	0.11
(1,18402)	1:297:B:LEU:H	1:310:B:ALA:H	1	0.11
(1,18335)	1:295:B:HIS:HE1	1:316:B:ASN:HD21	2	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,18335)	1:295:B:HIS:HE1	1:316:B:ASN:HD22	2	0.11
(1,18309)	1:291:B:ARG:HA	1:293:B:HIS:HA	8	0.11
(1,18304)	1:290:B:ASN:HD21	1:292:B:ASP:HB3	16	0.11
(1,18304)	1:290:B:ASN:HD21	1:292:B:ASP:HB2	16	0.11
(1,18304)	1:290:B:ASN:HD22	1:292:B:ASP:HB3	16	0.11
(1,18304)	1:290:B:ASN:HD22	1:292:B:ASP:HB2	16	0.11
(1,18302)	1:290:B:ASN:HB3	1:292:B:ASP:H	11	0.11
(1,18302)	1:290:B:ASN:HB2	1:292:B:ASP:H	11	0.11
(1,18293)	1:289:B:TRP:HZ2	1:380:B:LEU:HB3	14	0.11
(1,18293)	1:289:B:TRP:HZ2	1:380:B:LEU:HB2	14	0.11
(1,18288)	1:289:B:TRP:HH2	1:381:B:VAL:HA	14	0.11
(1,18243)	1:286:B:TRP:HE3	1:289:B:TRP:H	8	0.11
(1,18182)	1:282:B:SER:HA	1:378:B:PHE:HZ	6	0.11
(1,18031)	1:276:B:SER:HB3	1:325:B:ILE:HB	2	0.11
(1,18031)	1:276:B:SER:HB2	1:325:B:ILE:HB	2	0.11
(1,18031)	1:276:B:SER:HB3	1:325:B:ILE:HB	9	0.11
(1,18031)	1:276:B:SER:HB2	1:325:B:ILE:HB	9	0.11
(1,17967)	1:273:B:GLU:HG3	1:328:B:SER:H	16	0.11
(1,17967)	1:273:B:GLU:HG2	1:328:B:SER:H	16	0.11
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD3	12	0.11
(1,17662)	1:253:B:ILE:HB	1:322:B:ARG:HD2	12	0.11
(1,17418)	1:238:B:LYS:HE3	1:266:B:ASN:HD21	16	0.11
(1,17418)	1:238:B:LYS:HE3	1:266:B:ASN:HD22	16	0.11
(1,17418)	1:238:B:LYS:HE2	1:266:B:ASN:HD21	16	0.11
(1,17418)	1:238:B:LYS:HE2	1:266:B:ASN:HD22	16	0.11
(1,17371)	1:234:B:TRP:HE1	1:235:B:THR:HB	18	0.11
(1,17311)	1:233:B:LEU:HD11	1:246:B:TYR:HA	20	0.11
(1,17311)	1:233:B:LEU:HD12	1:246:B:TYR:HA	20	0.11
(1,17311)	1:233:B:LEU:HD13	1:246:B:TYR:HA	20	0.11
(1,17306)	1:233:B:LEU:HD11	1:249:B:PHE:H	20	0.11
(1,17306)	1:233:B:LEU:HD12	1:249:B:PHE:H	20	0.11
(1,17306)	1:233:B:LEU:HD13	1:249:B:PHE:H	20	0.11
(1,17039)	1:213:B:ARG:HG3	1:221:B:VAL:H	3	0.11
(1,17039)	1:213:B:ARG:HG2	1:221:B:VAL:H	3	0.11
(1,17039)	1:213:B:ARG:HG3	1:221:B:VAL:H	13	0.11
(1,17039)	1:213:B:ARG:HG2	1:221:B:VAL:H	13	0.11
(1,17022)	1:212:B:LYS:HD3	1:213:B:ARG:H	13	0.11
(1,17022)	1:212:B:LYS:HD2	1:213:B:ARG:H	13	0.11
(1,17002)	1:212:B:LYS:HB3	1:224:B:TRP:HA	17	0.11
(1,17002)	1:212:B:LYS:HB2	1:224:B:TRP:HA	17	0.11
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB3	17	0.11
(1,16856)	1:208:B:VAL:H	1:228:B:ASN:HB2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,16785)	1:205:B:ALA:HA	1:230:B:ALA:HA	20	0.11
(1,16714)	1:203:B:HIS:HA	1:245:B:GLU:HG3	13	0.11
(1,16714)	1:203:B:HIS:HA	1:245:B:GLU:HG2	13	0.11
(1,16701)	1:203:B:HIS:HE1	1:248:B:GLU:HB3	6	0.11
(1,16701)	1:203:B:HIS:HE1	1:248:B:GLU:HB2	6	0.11
(1,16442)	1:194:B:ARG:HH21	1:212:B:LYS:HB3	11	0.11
(1,16442)	1:194:B:ARG:HH21	1:212:B:LYS:HB2	11	0.11
(1,16442)	1:194:B:ARG:HH22	1:212:B:LYS:HB3	11	0.11
(1,16442)	1:194:B:ARG:HH22	1:212:B:LYS:HB2	11	0.11
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	8	0.11
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	8	0.11
(1,15877)	1:153:B:PHE:HZ	1:155:B:GLU:H	7	0.11
(1,15815)	1:151:B:GLY:HA3	1:169:B:LYS:H	19	0.11
(1,15815)	1:151:B:GLY:HA2	1:169:B:LYS:H	19	0.11
(1,15416)	1:136:B:LYS:HG3	1:155:B:GLU:HG3	8	0.11
(1,15416)	1:136:B:LYS:HG3	1:155:B:GLU:HG2	8	0.11
(1,15416)	1:136:B:LYS:HG2	1:155:B:GLU:HG3	8	0.11
(1,15416)	1:136:B:LYS:HG2	1:155:B:GLU:HG2	8	0.11
(1,15010)	1:118:B:GLN:HA	1:121:B:GLY:HA3	16	0.11
(1,15010)	1:118:B:GLN:HA	1:121:B:GLY:HA2	16	0.11
(1,14995)	1:117:B:SER:HA	1:118:B:GLN:HE21	6	0.11
(1,14995)	1:117:B:SER:HA	1:118:B:GLN:HE22	6	0.11
(1,14909)	1:112:B:ASP:HA	1:115:B:LYS:H	8	0.11
(1,14897)	1:111:B:SER:H	1:114:B:ALA:H	15	0.11
(1,14872)	1:109:B:LEU:H	1:112:B:ASP:HB3	19	0.11
(1,14872)	1:109:B:LEU:H	1:112:B:ASP:HB2	19	0.11
(1,14871)	1:109:B:LEU:HD11	1:112:B:ASP:HA	14	0.11
(1,14871)	1:109:B:LEU:HD12	1:112:B:ASP:HA	14	0.11
(1,14871)	1:109:B:LEU:HD13	1:112:B:ASP:HA	14	0.11
(1,14871)	1:109:B:LEU:HD11	1:112:B:ASP:HA	20	0.11
(1,14871)	1:109:B:LEU:HD12	1:112:B:ASP:HA	20	0.11
(1,14871)	1:109:B:LEU:HD13	1:112:B:ASP:HA	20	0.11
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB3	15	0.11
(1,14867)	1:109:B:LEU:HD11	1:113:B:GLN:HB2	15	0.11
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB3	15	0.11
(1,14867)	1:109:B:LEU:HD12	1:113:B:GLN:HB2	15	0.11
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB3	15	0.11
(1,14867)	1:109:B:LEU:HD13	1:113:B:GLN:HB2	15	0.11
(1,14838)	1:107:B:GLU:HA	1:113:B:GLN:HE21	11	0.11
(1,14838)	1:107:B:GLU:HA	1:113:B:GLN:HE22	11	0.11
(1,14806)	1:106:B:LEU:HD21	1:113:B:GLN:H	16	0.11
(1,14806)	1:106:B:LEU:HD22	1:113:B:GLN:H	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14806)	1:106:B:LEU:HD23	1:113:B:GLN:H	16	0.11
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB1	15	0.11
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB2	15	0.11
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB3	15	0.11
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB1	15	0.11
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB2	15	0.11
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB3	15	0.11
(1,14779)	1:105:B:PHE:HD2	1:110:B:GLY:H	17	0.11
(1,14777)	1:105:B:PHE:HB3	1:112:B:ASP:H	16	0.11
(1,14777)	1:105:B:PHE:HB2	1:112:B:ASP:H	16	0.11
(1,14768)	1:105:B:PHE:HZ	1:286:B:TRP:HH2	1	0.11
(1,14768)	1:105:B:PHE:HZ	1:286:B:TRP:HH2	13	0.11
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD21	3	0.11
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD22	3	0.11
(1,14703)	1:102:B:THR:HG21	1:119:B:LEU:HB3	4	0.11
(1,14703)	1:102:B:THR:HG21	1:119:B:LEU:HB2	4	0.11
(1,14703)	1:102:B:THR:HG22	1:119:B:LEU:HB3	4	0.11
(1,14703)	1:102:B:THR:HG22	1:119:B:LEU:HB2	4	0.11
(1,14703)	1:102:B:THR:HG23	1:119:B:LEU:HB3	4	0.11
(1,14703)	1:102:B:THR:HG23	1:119:B:LEU:HB2	4	0.11
(1,14674)	1:99:B:LYS:HG3	1:101:B:GLY:HA3	1	0.11
(1,14674)	1:99:B:LYS:HG3	1:101:B:GLY:HA2	1	0.11
(1,14674)	1:99:B:LYS:HG2	1:101:B:GLY:HA3	1	0.11
(1,14674)	1:99:B:LYS:HG2	1:101:B:GLY:HA2	1	0.11
(1,14674)	1:99:B:LYS:HG3	1:101:B:GLY:HA3	18	0.11
(1,14674)	1:99:B:LYS:HG3	1:101:B:GLY:HA2	18	0.11
(1,14674)	1:99:B:LYS:HG2	1:101:B:GLY:HA3	18	0.11
(1,14674)	1:99:B:LYS:HG2	1:101:B:GLY:HA2	18	0.11
(1,14656)	1:98:B:ALA:H	1:99:B:LYS:H	12	0.11
(1,14656)	1:98:B:ALA:H	1:99:B:LYS:H	13	0.11
(1,14613)	1:97:B:ILE:HD11	1:128:B:TYR:H	2	0.11
(1,14613)	1:97:B:ILE:HD12	1:128:B:TYR:H	2	0.11
(1,14613)	1:97:B:ILE:HD13	1:128:B:TYR:H	2	0.11
(1,14479)	1:93:B:HIS:HB3	1:119:B:LEU:HA	14	0.11
(1,14479)	1:93:B:HIS:HB2	1:119:B:LEU:HA	14	0.11
(1,14479)	1:93:B:HIS:HB3	1:119:B:LEU:HA	20	0.11
(1,14479)	1:93:B:HIS:HB2	1:119:B:LEU:HA	20	0.11
(1,14347)	1:89:B:GLU:HA	1:92:B:ASP:H	2	0.11
(1,14124)	1:82:B:GLY:H	1:206:B:LEU:HD21	3	0.11
(1,14118)	1:81:B:ASN:HA	1:169:B:LYS:HZ2	13	0.11
(1,14109)	1:81:B:ASN:HA	1:174:B:THR:H	1	0.11
(1,14059)	1:79:B:SER:HB2	1:224:B:TRP:HH2	17	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,13913)	1:75:B:THR:HB	1:178:B:LEU:H	16	0.11
(1,13815)	1:70:B:ASP:HA	1:71:B:LYS:HG3	17	0.11
(1,13815)	1:70:B:ASP:HA	1:71:B:LYS:HG2	17	0.11
(1,13754)	1:69:B:PHE:HA	1:77:B:THR:HB	18	0.11
(1,13695)	1:68:B:SER:HA	1:210:B:ILE:HD11	8	0.11
(1,13402)	1:63:B:LEU:HB2	1:207:B:PRO:HG3	10	0.11
(1,13234)	1:51:B:LEU:HD21	1:304:B:VAL:HG11	8	0.11
(1,13234)	1:51:B:LEU:HD21	1:304:B:VAL:HG12	8	0.11
(1,13234)	1:51:B:LEU:HD21	1:304:B:VAL:HG13	8	0.11
(1,13234)	1:51:B:LEU:HD22	1:304:B:VAL:HG11	8	0.11
(1,13234)	1:51:B:LEU:HD22	1:304:B:VAL:HG12	8	0.11
(1,13234)	1:51:B:LEU:HD22	1:304:B:VAL:HG13	8	0.11
(1,13234)	1:51:B:LEU:HD23	1:304:B:VAL:HG11	8	0.11
(1,13234)	1:51:B:LEU:HD23	1:304:B:VAL:HG12	8	0.11
(1,13234)	1:51:B:LEU:HD23	1:304:B:VAL:HG13	8	0.11
(1,13222)	1:51:B:LEU:HB3	1:332:B:LEU:HG	9	0.11
(1,13222)	1:51:B:LEU:HB2	1:332:B:LEU:HG	9	0.11
(1,13154)	1:48:B:PHE:HA	1:304:B:VAL:HG11	10	0.11
(1,13154)	1:48:B:PHE:HA	1:304:B:VAL:HG12	10	0.11
(1,13154)	1:48:B:PHE:HA	1:304:B:VAL:HG13	10	0.11
(1,13101)	1:47:B:ARG:HE	1:63:B:LEU:H	7	0.11
(1,12885)	1:41:B:ASP:HA	1:44:B:ASP:HB3	19	0.11
(1,12885)	1:41:B:ASP:HA	1:44:B:ASP:HB2	19	0.11
(1,12793)	1:38:B:ASN:HA	1:122:B:GLN:HG3	2	0.11
(1,12793)	1:38:B:ASN:HA	1:122:B:GLN:HG2	2	0.11
(1,12760)	1:37:B:SER:HA	1:252:B:HIS:HD2	7	0.11
(1,12588)	1:33:B:ARG:HH21	1:251:B:LYS:HB3	19	0.11
(1,12588)	1:33:B:ARG:HH21	1:251:B:LYS:HB2	19	0.11
(1,12588)	1:33:B:ARG:HH22	1:251:B:LYS:HB3	19	0.11
(1,12588)	1:33:B:ARG:HH22	1:251:B:LYS:HB2	19	0.11
(1,12586)	1:33:B:ARG:HH21	1:257:B:PHE:HD1	15	0.11
(1,12586)	1:33:B:ARG:HH21	1:257:B:PHE:HD2	15	0.11
(1,12586)	1:33:B:ARG:HH22	1:257:B:PHE:HD1	15	0.11
(1,12586)	1:33:B:ARG:HH22	1:257:B:PHE:HD2	15	0.11
(1,12546)	1:32:B:LEU:HG	1:193:B:VAL:HG12	9	0.11
(1,12546)	1:32:B:LEU:HG	1:193:B:VAL:HG12	18	0.11
(1,12452)	1:30:B:ILE:HG13	1:125:B:VAL:HG11	7	0.11
(1,12452)	1:30:B:ILE:HG13	1:125:B:VAL:HG12	7	0.11
(1,12452)	1:30:B:ILE:HG13	1:125:B:VAL:HG13	7	0.11
(1,12452)	1:30:B:ILE:HG12	1:125:B:VAL:HG11	7	0.11
(1,12452)	1:30:B:ILE:HG12	1:125:B:VAL:HG12	7	0.11
(1,12452)	1:30:B:ILE:HG12	1:125:B:VAL:HG13	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12377)	1:28:B:LYS:HA	1:187:B:PHE:HZ	12	0.11
(1,12293)	1:23:B:SER:HA	1:30:B:ILE:HD11	7	0.11
(1,12293)	1:23:B:SER:HA	1:30:B:ILE:HD12	7	0.11
(1,12293)	1:23:B:SER:HA	1:30:B:ILE:HD13	7	0.11
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	7	0.11
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	7	0.11
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	7	0.11
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD11	8	0.11
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD12	8	0.11
(1,12235)	1:21:B:ILE:HA	1:24:B:LEU:HD13	8	0.11
(1,12173)	1:19:B:LEU:HA	1:257:B:PHE:HZ	8	0.11
(1,11959)	1:616:A:ARG:HG3	1:617:A:ARG:HA	9	0.11
(1,11959)	1:616:A:ARG:HG2	1:617:A:ARG:HA	9	0.11
(1,11647)	1:601:A:LEU:HB3	1:608:A:LEU:HD21	19	0.11
(1,11647)	1:601:A:LEU:HB3	1:608:A:LEU:HD22	19	0.11
(1,11647)	1:601:A:LEU:HB3	1:608:A:LEU:HD23	19	0.11
(1,11647)	1:601:A:LEU:HB2	1:608:A:LEU:HD21	19	0.11
(1,11647)	1:601:A:LEU:HB2	1:608:A:LEU:HD22	19	0.11
(1,11647)	1:601:A:LEU:HB2	1:608:A:LEU:HD23	19	0.11
(1,11593)	1:599:A:GLN:HE21	1:614:A:PHE:HZ	19	0.11
(1,11593)	1:599:A:GLN:HE22	1:614:A:PHE:HZ	19	0.11
(1,11577)	1:598:A:ASP:HA	1:601:A:LEU:HD11	8	0.11
(1,11577)	1:598:A:ASP:HA	1:601:A:LEU:HD12	8	0.11
(1,11577)	1:598:A:ASP:HA	1:601:A:LEU:HD13	8	0.11
(1,11510)	1:595:A:LEU:HD21	1:596:A:LEU:HA	13	0.11
(1,11510)	1:595:A:LEU:HD22	1:596:A:LEU:HA	13	0.11
(1,11510)	1:595:A:LEU:HD23	1:596:A:LEU:HA	13	0.11
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	3	0.11
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	3	0.11
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	3	0.11
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	9	0.11
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	9	0.11
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	9	0.11
(1,10652)	1:558:A:GLY:H	1:562:A:PRO:HD3	7	0.11
(1,10652)	1:558:A:GLY:H	1:562:A:PRO:HD2	7	0.11
(1,10636)	1:557:A:ALA:H	1:561:A:VAL:HB	5	0.11
(1,10634)	1:557:A:ALA:HA	1:561:A:VAL:HA	15	0.11
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	1	0.11
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	1	0.11
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	13	0.11
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	13	0.11
(1,10602)	1:556:A:ALA:HA	1:562:A:PRO:HG3	16	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10602)	1:556:A:ALA:HA	1:562:A:PRO:HG2	16	0.11
(1,10587)	1:555:A:ALA:H	1:558:A:GLY:H	11	0.11
(1,10587)	1:555:A:ALA:H	1:558:A:GLY:H	16	0.11
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD21	13	0.11
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD22	13	0.11
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD23	13	0.11
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD21	17	0.11
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD22	17	0.11
(1,10524)	1:552:A:LYS:H	1:553:A:LEU:HD23	17	0.11
(1,10511)	1:552:A:LYS:HD3	1:554:A:PHE:H	18	0.11
(1,10511)	1:552:A:LYS:HD2	1:554:A:PHE:H	18	0.11
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB3	10	0.11
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB2	10	0.11
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB3	10	0.11
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB2	10	0.11
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE1	4	0.11
(1,10447)	1:549:A:GLN:HE21	1:554:A:PHE:HE2	4	0.11
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE1	4	0.11
(1,10447)	1:549:A:GLN:HE22	1:554:A:PHE:HE2	4	0.11
(1,10443)	1:549:A:GLN:HE21	1:554:A:PHE:HZ	14	0.11
(1,10443)	1:549:A:GLN:HE22	1:554:A:PHE:HZ	14	0.11
(1,10443)	1:549:A:GLN:HE21	1:554:A:PHE:HZ	18	0.11
(1,10443)	1:549:A:GLN:HE22	1:554:A:PHE:HZ	18	0.11
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG21	19	0.11
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG22	19	0.11
(1,10438)	1:549:A:GLN:HE21	1:564:A:VAL:HG23	19	0.11
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG21	19	0.11
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG22	19	0.11
(1,10438)	1:549:A:GLN:HE22	1:564:A:VAL:HG23	19	0.11
(1,10436)	1:549:A:GLN:HE21	1:605:A:ARG:HD3	19	0.11
(1,10436)	1:549:A:GLN:HE21	1:605:A:ARG:HD2	19	0.11
(1,10436)	1:549:A:GLN:HE22	1:605:A:ARG:HD3	19	0.11
(1,10436)	1:549:A:GLN:HE22	1:605:A:ARG:HD2	19	0.11
(1,10417)	1:548:A:THR:HA	1:560:A:LYS:HA	13	0.11
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB3	5	0.11
(1,10391)	1:547:A:SER:HA	1:550:A:MET:HB2	5	0.11
(1,10390)	1:547:A:SER:H	1:550:A:MET:HB3	3	0.11
(1,10390)	1:547:A:SER:H	1:550:A:MET:HB2	3	0.11
(1,10377)	1:547:A:SER:HB3	1:561:A:VAL:HB	12	0.11
(1,10377)	1:547:A:SER:HB2	1:561:A:VAL:HB	12	0.11
(1,10347)	1:546:A:MET:HB3	1:553:A:LEU:HB3	7	0.11
(1,10347)	1:546:A:MET:HB3	1:553:A:LEU:HB2	7	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10347)	1:546:A:MET:HB2	1:553:A:LEU:HB3	7	0.11
(1,10347)	1:546:A:MET:HB2	1:553:A:LEU:HB2	7	0.11
(1,10346)	1:546:A:MET:HE1	1:553:A:LEU:HA	12	0.11
(1,10346)	1:546:A:MET:HE2	1:553:A:LEU:HA	12	0.11
(1,10346)	1:546:A:MET:HE3	1:553:A:LEU:HA	12	0.11
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	4	0.11
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	4	0.11
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	4	0.11
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	4	0.11
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	4	0.11
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	4	0.11
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	9	0.11
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	9	0.11
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	9	0.11
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	9	0.11
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	9	0.11
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	9	0.11
(1,10294)	1:544:A:ASP:HB3	1:548:A:THR:HG21	19	0.11
(1,10294)	1:544:A:ASP:HB3	1:548:A:THR:HG22	19	0.11
(1,10294)	1:544:A:ASP:HB3	1:548:A:THR:HG23	19	0.11
(1,10294)	1:544:A:ASP:HB2	1:548:A:THR:HG21	19	0.11
(1,10294)	1:544:A:ASP:HB2	1:548:A:THR:HG22	19	0.11
(1,10294)	1:544:A:ASP:HB2	1:548:A:THR:HG23	19	0.11
(1,10279)	1:543:A:ALA:HA	1:553:A:LEU:HD21	13	0.11
(1,10279)	1:543:A:ALA:HA	1:553:A:LEU:HD22	13	0.11
(1,10279)	1:543:A:ALA:HA	1:553:A:LEU:HD23	13	0.11
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD21	5	0.11
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD22	5	0.11
(1,10258)	1:542:A:ASP:HB3	1:553:A:LEU:HD23	5	0.11
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD21	5	0.11
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD22	5	0.11
(1,10258)	1:542:A:ASP:HB2	1:553:A:LEU:HD23	5	0.11
(1,10160)	1:539:A:VAL:HG11	1:568:A:PHE:HA	16	0.11
(1,10160)	1:539:A:VAL:HG12	1:568:A:PHE:HA	16	0.11
(1,10160)	1:539:A:VAL:HG13	1:568:A:PHE:HA	16	0.11
(1,10129)	1:539:A:VAL:H	1:603:A:ALA:HB3	2	0.11
(1,10129)	1:539:A:VAL:H	1:603:A:ALA:HB3	17	0.11
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	3	0.11
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	20	0.11
(1,9976)	1:535:A:THR:HA	1:574:A:HIS:HD2	15	0.11
(1,9964)	1:534:A:ASP:HB3	1:574:A:HIS:HE1	14	0.11
(1,9964)	1:534:A:ASP:HB2	1:574:A:HIS:HE1	14	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,9963)	1:534:A:ASP:HA	1:574:A:HIS:HA	19	0.11
(1,9778)	1:527:A:ARG:HD3	1:569:A:GLU:HA	1	0.11
(1,9778)	1:527:A:ARG:HD2	1:569:A:GLU:HA	1	0.11
(1,9316)	1:512:A:ILE:HG13	1:528:A:LEU:HD21	4	0.11
(1,9316)	1:512:A:ILE:HG13	1:528:A:LEU:HD22	4	0.11
(1,9316)	1:512:A:ILE:HG13	1:528:A:LEU:HD23	4	0.11
(1,9316)	1:512:A:ILE:HG12	1:528:A:LEU:HD21	4	0.11
(1,9316)	1:512:A:ILE:HG12	1:528:A:LEU:HD22	4	0.11
(1,9316)	1:512:A:ILE:HG12	1:528:A:LEU:HD23	4	0.11
(1,9279)	1:511:A:PHE:HE2	1:568:A:PHE:HE2	16	0.11
(1,9031)	1:502:A:LYS:HB3	1:506:A:LYS:HG3	6	0.11
(1,9031)	1:502:A:LYS:HB3	1:506:A:LYS:HG2	6	0.11
(1,9031)	1:502:A:LYS:HB2	1:506:A:LYS:HG3	6	0.11
(1,9031)	1:502:A:LYS:HB2	1:506:A:LYS:HG2	6	0.11
(1,9026)	1:501:A:ALA:HA	1:502:A:LYS:HG3	18	0.11
(1,9026)	1:501:A:ALA:HA	1:502:A:LYS:HG2	18	0.11
(1,8997)	1:500:A:SER:HB3	1:502:A:LYS:H	5	0.11
(1,8997)	1:500:A:SER:HB2	1:502:A:LYS:H	5	0.11
(1,8997)	1:500:A:SER:HB3	1:502:A:LYS:H	6	0.11
(1,8997)	1:500:A:SER:HB2	1:502:A:LYS:H	6	0.11
(1,8997)	1:500:A:SER:HB3	1:502:A:LYS:H	7	0.11
(1,8997)	1:500:A:SER:HB2	1:502:A:LYS:H	7	0.11
(1,8970)	1:499:A:GLU:H	1:500:A:SER:H	15	0.11
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG3	11	0.11
(1,8964)	1:498:A:ASP:HA	1:499:A:GLU:HG2	11	0.11
(1,8912)	1:497:A:VAL:HG11	1:531:A:ARG:H	13	0.11
(1,8902)	1:497:A:VAL:HB	1:532:A:LEU:HG	5	0.11
(1,8900)	1:497:A:VAL:HB	1:532:A:LEU:HA	6	0.11
(1,8864)	1:495:A:ASP:HA	1:530:A:HIS:HD2	14	0.11
(1,8848)	1:481:A:GLN:HE21	1:482:A:SER:H	13	0.11
(1,8848)	1:481:A:GLN:HE22	1:482:A:SER:H	13	0.11
(1,8753)	1:469:A:MET:HA	1:472:A:LEU:HB3	9	0.11
(1,8753)	1:469:A:MET:HA	1:472:A:LEU:HB2	9	0.11
(1,8680)	1:462:A:ASP:HB3	1:464:A:ILE:H	4	0.11
(1,8680)	1:462:A:ASP:HB2	1:464:A:ILE:H	4	0.11
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE1	15	0.11
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE2	15	0.11
(1,8654)	1:458:A:LEU:HD11	1:469:A:MET:HE3	15	0.11
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE1	15	0.11
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE2	15	0.11
(1,8654)	1:458:A:LEU:HD12	1:469:A:MET:HE3	15	0.11
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE1	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE2	15	0.11
(1,8654)	1:458:A:LEU:HD13	1:469:A:MET:HE3	15	0.11
(1,8638)	1:456:A:GLU:HG3	1:458:A:LEU:H	2	0.11
(1,8638)	1:456:A:GLU:HG2	1:458:A:LEU:H	2	0.11
(1,8597)	1:450:A:LEU:HA	1:455:A:ILE:HB	2	0.11
(1,8509)	1:442:A:LYS:HA	1:459:A:LEU:HD21	10	0.11
(1,8509)	1:442:A:LYS:HA	1:459:A:LEU:HD22	10	0.11
(1,8509)	1:442:A:LYS:HA	1:459:A:LEU:HD23	10	0.11
(1,8411)	1:434:A:THR:HA	1:460:A:LEU:HB3	2	0.11
(1,8411)	1:434:A:THR:HA	1:460:A:LEU:HB2	2	0.11
(1,8407)	1:434:A:THR:HA	1:465:A:ASP:HB3	2	0.11
(1,8407)	1:434:A:THR:HA	1:465:A:ASP:HB2	2	0.11
(1,8308)	1:429:A:LYS:HE3	1:479:A:PRO:HG3	1	0.11
(1,8308)	1:429:A:LYS:HE3	1:479:A:PRO:HG2	1	0.11
(1,8308)	1:429:A:LYS:HE2	1:479:A:PRO:HG3	1	0.11
(1,8308)	1:429:A:LYS:HE2	1:479:A:PRO:HG2	1	0.11
(1,8293)	1:428:A:GLU:HA	1:478:A:LYS:HG3	19	0.11
(1,8293)	1:428:A:GLU:HA	1:478:A:LYS:HG2	19	0.11
(1,8291)	1:428:A:GLU:HA	1:478:A:LYS:HA	17	0.11
(1,8278)	1:427:A:GLN:HE21	1:455:A:ILE:HA	5	0.11
(1,8278)	1:427:A:GLN:HE22	1:455:A:ILE:HA	5	0.11
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE21	11	0.11
(1,8257)	1:424:A:LYS:H	1:427:A:GLN:HE22	11	0.11
(1,8182)	1:419:A:TYR:HE1	1:430:A:ILE:HA	3	0.11
(1,8182)	1:419:A:TYR:HE2	1:430:A:ILE:HA	3	0.11
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG3	13	0.11
(1,8158)	1:418:A:ASP:HA	1:422:A:ARG:HG2	13	0.11
(1,7943)	1:403:A:ALA:HA	1:414:A:VAL:HG11	8	0.11
(1,7943)	1:403:A:ALA:HA	1:414:A:VAL:HG12	8	0.11
(1,7943)	1:403:A:ALA:HA	1:414:A:VAL:HG13	8	0.11
(1,7845)	1:398:A:LYS:HA	1:475:A:PHE:HZ	12	0.11
(1,7808)	1:395:A:ALA:HA	1:398:A:LYS:HD3	15	0.11
(1,7808)	1:395:A:ALA:HA	1:398:A:LYS:HD2	15	0.11
(1,7792)	1:394:A:GLU:HG3	1:398:A:LYS:H	12	0.11
(1,7792)	1:394:A:GLU:HG2	1:398:A:LYS:H	12	0.11
(1,7781)	1:393:A:GLN:HA	1:396:A:ILE:HB	14	0.11
(1,7768)	1:393:A:GLN:HE21	1:474:A:GLU:H	14	0.11
(1,7768)	1:393:A:GLN:HE22	1:474:A:GLU:H	14	0.11
(1,7690)	1:386:A:PRO:HB3	1:471:A:TYR:HB3	12	0.11
(1,7690)	1:386:A:PRO:HB3	1:471:A:TYR:HB2	12	0.11
(1,7690)	1:386:A:PRO:HB2	1:471:A:TYR:HB3	12	0.11
(1,7690)	1:386:A:PRO:HB2	1:471:A:TYR:HB2	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,7572)	1:380:A:LEU:HD22	1:464:A:ILE:H	18	0.11
(1,7528)	1:376:A:GLN:HA	1:412:A:GLN:HE21	1	0.11
(1,7528)	1:376:A:GLN:HA	1:412:A:GLN:HE22	1	0.11
(1,7348)	1:365:A:LYS:HE3	1:398:A:LYS:HE3	10	0.11
(1,7348)	1:365:A:LYS:HE3	1:398:A:LYS:HE2	10	0.11
(1,7348)	1:365:A:LYS:HE2	1:398:A:LYS:HE3	10	0.11
(1,7348)	1:365:A:LYS:HE2	1:398:A:LYS:HE2	10	0.11
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD11	7	0.11
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD12	7	0.11
(1,7150)	1:353:A:THR:HG21	1:396:A:ILE:HD13	7	0.11
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD11	7	0.11
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD12	7	0.11
(1,7150)	1:353:A:THR:HG22	1:396:A:ILE:HD13	7	0.11
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD11	7	0.11
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD12	7	0.11
(1,7150)	1:353:A:THR:HG23	1:396:A:ILE:HD13	7	0.11
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	3	0.11
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	3	0.11
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	3	0.11
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	3	0.11
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	3	0.11
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	3	0.11
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	3	0.11
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	3	0.11
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	3	0.11
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG21	18	0.11
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG22	18	0.11
(1,6976)	1:338:A:ILE:HD11	1:345:A:THR:HG23	18	0.11
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG21	18	0.11
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG22	18	0.11
(1,6976)	1:338:A:ILE:HD12	1:345:A:THR:HG23	18	0.11
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG21	18	0.11
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG22	18	0.11
(1,6976)	1:338:A:ILE:HD13	1:345:A:THR:HG23	18	0.11
(1,6814)	1:321:A:VAL:HG21	1:352:A:LEU:HD21	12	0.11
(1,6814)	1:321:A:VAL:HG21	1:352:A:LEU:HD22	12	0.11
(1,6814)	1:321:A:VAL:HG21	1:352:A:LEU:HD23	12	0.11
(1,6814)	1:321:A:VAL:HG22	1:352:A:LEU:HD21	12	0.11
(1,6814)	1:321:A:VAL:HG22	1:352:A:LEU:HD22	12	0.11
(1,6814)	1:321:A:VAL:HG22	1:352:A:LEU:HD23	12	0.11
(1,6814)	1:321:A:VAL:HG23	1:352:A:LEU:HD21	12	0.11
(1,6814)	1:321:A:VAL:HG23	1:352:A:LEU:HD22	12	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,6814)	1:321:A:VAL:HG23	1:352:A:LEU:HD23	12	0.11
(1,6792)	1:320:A:PHE:HZ	1:374:A:PHE:HZ	1	0.11
(1,6792)	1:320:A:PHE:HZ	1:374:A:PHE:HZ	7	0.11
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG21	4	0.11
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG22	4	0.11
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG23	4	0.11
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG21	4	0.11
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG22	4	0.11
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG23	4	0.11
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG21	4	0.11
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG22	4	0.11
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG23	4	0.11
(1,6725)	1:317:A:TYR:HB3	1:388:A:GLU:HB3	14	0.11
(1,6725)	1:317:A:TYR:HB3	1:388:A:GLU:HB2	14	0.11
(1,6725)	1:317:A:TYR:HB2	1:388:A:GLU:HB3	14	0.11
(1,6725)	1:317:A:TYR:HB2	1:388:A:GLU:HB2	14	0.11
(1,6703)	1:315:A:PRO:HG3	1:319:A:ARG:H	8	0.11
(1,6703)	1:315:A:PRO:HG2	1:319:A:ARG:H	8	0.11
(1,6686)	1:314:A:MET:HB3	1:316:A:ASN:HA	19	0.11
(1,6686)	1:314:A:MET:HB2	1:316:A:ASN:HA	19	0.11
(1,6663)	1:314:A:MET:HA	1:353:A:THR:HA	11	0.11
(1,6645)	1:313:A:PHE:HZ	1:345:A:THR:HA	19	0.11
(1,6352)	1:298:A:LYS:HG3	1:322:A:ARG:HD3	16	0.11
(1,6352)	1:298:A:LYS:HG3	1:322:A:ARG:HD2	16	0.11
(1,6352)	1:298:A:LYS:HG2	1:322:A:ARG:HD3	16	0.11
(1,6352)	1:298:A:LYS:HG2	1:322:A:ARG:HD2	16	0.11
(1,6351)	1:298:A:LYS:H	1:322:A:ARG:HD3	12	0.11
(1,6351)	1:298:A:LYS:H	1:322:A:ARG:HD2	12	0.11
(1,6332)	1:297:A:LEU:HA	1:309:A:ASP:HA	20	0.11
(1,6259)	1:295:A:HIS:HE1	1:311:A:GLU:HA	18	0.11
(1,6247)	1:294:A:LYS:HD3	1:309:A:ASP:HB3	1	0.11
(1,6247)	1:294:A:LYS:HD3	1:309:A:ASP:HB2	1	0.11
(1,6247)	1:294:A:LYS:HD2	1:309:A:ASP:HB3	1	0.11
(1,6247)	1:294:A:LYS:HD2	1:309:A:ASP:HB2	1	0.11
(1,6173)	1:287:A:ASP:HB3	1:294:A:LYS:HB3	1	0.11
(1,6173)	1:287:A:ASP:HB3	1:294:A:LYS:HB2	1	0.11
(1,6173)	1:287:A:ASP:HB2	1:294:A:LYS:HB3	1	0.11
(1,6173)	1:287:A:ASP:HB2	1:294:A:LYS:HB2	1	0.11
(1,6160)	1:286:A:TRP:HE3	1:290:A:ASN:H	8	0.11
(1,5953)	1:276:A:SER:HB3	1:325:A:ILE:HB	8	0.11
(1,5953)	1:276:A:SER:HB2	1:325:A:ILE:HB	8	0.11
(1,5953)	1:276:A:SER:HB3	1:325:A:ILE:HB	11	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5953)	1:276:A:SER:HB2	1:325:A:ILE:HB	11	0.11
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD21	7	0.11
(1,5792)	1:265:A:HIS:H	1:266:A:ASN:HD22	7	0.11
(1,5583)	1:253:A:ILE:HD11	1:322:A:ARG:HB3	9	0.11
(1,5583)	1:253:A:ILE:HD11	1:322:A:ARG:HB2	9	0.11
(1,5583)	1:253:A:ILE:HD12	1:322:A:ARG:HB3	9	0.11
(1,5583)	1:253:A:ILE:HD12	1:322:A:ARG:HB2	9	0.11
(1,5583)	1:253:A:ILE:HD13	1:322:A:ARG:HB3	9	0.11
(1,5583)	1:253:A:ILE:HD13	1:322:A:ARG:HB2	9	0.11
(1,5398)	1:243:A:ASP:HB3	1:247:A:LYS:HD3	7	0.11
(1,5398)	1:243:A:ASP:HB3	1:247:A:LYS:HD2	7	0.11
(1,5398)	1:243:A:ASP:HB2	1:247:A:LYS:HD3	7	0.11
(1,5398)	1:243:A:ASP:HB2	1:247:A:LYS:HD2	7	0.11
(1,5331)	1:237:A:ASN:HD21	1:239:A:SER:H	4	0.11
(1,5331)	1:237:A:ASN:HD22	1:239:A:SER:H	4	0.11
(1,5293)	1:234:A:TRP:HE1	1:235:A:THR:HB	20	0.11
(1,5274)	1:234:A:TRP:HD1	1:276:A:SER:HA	11	0.11
(1,5274)	1:234:A:TRP:HD1	1:276:A:SER:HA	18	0.11
(1,5246)	1:233:A:LEU:H	1:235:A:THR:HG21	20	0.11
(1,5246)	1:233:A:LEU:H	1:235:A:THR:HG22	20	0.11
(1,5246)	1:233:A:LEU:H	1:235:A:THR:HG23	20	0.11
(1,5228)	1:233:A:LEU:HD11	1:249:A:PHE:H	19	0.11
(1,5228)	1:233:A:LEU:HD12	1:249:A:PHE:H	19	0.11
(1,5228)	1:233:A:LEU:HD13	1:249:A:PHE:H	19	0.11
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG21	6	0.11
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG22	6	0.11
(1,5200)	1:231:A:GLN:HG3	1:235:A:THR:HG23	6	0.11
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG21	6	0.11
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG22	6	0.11
(1,5200)	1:231:A:GLN:HG2	1:235:A:THR:HG23	6	0.11
(1,5190)	1:230:A:ALA:H	1:236:A:ARG:HH11	8	0.11
(1,4977)	1:213:A:ARG:H	1:214:A:GLU:HG3	14	0.11
(1,4977)	1:213:A:ARG:H	1:214:A:GLU:HG2	14	0.11
(1,4961)	1:213:A:ARG:HG3	1:221:A:VAL:H	4	0.11
(1,4961)	1:213:A:ARG:HG2	1:221:A:VAL:H	4	0.11
(1,4961)	1:213:A:ARG:HG3	1:221:A:VAL:H	5	0.11
(1,4961)	1:213:A:ARG:HG2	1:221:A:VAL:H	5	0.11
(1,4934)	1:212:A:LYS:HB3	1:223:A:SER:HB3	10	0.11
(1,4934)	1:212:A:LYS:HB3	1:223:A:SER:HB2	10	0.11
(1,4934)	1:212:A:LYS:HB2	1:223:A:SER:HB3	10	0.11
(1,4934)	1:212:A:LYS:HB2	1:223:A:SER:HB2	10	0.11
(1,4917)	1:212:A:LYS:HB3	1:225:A:GLU:HG3	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,4917)	1:212:A:LYS:HB3	1:225:A:GLU:HG2	15	0.11
(1,4917)	1:212:A:LYS:HB2	1:225:A:GLU:HG3	15	0.11
(1,4917)	1:212:A:LYS:HB2	1:225:A:GLU:HG2	15	0.11
(1,4837)	1:209:A:GLU:HA	1:224:A:TRP:HB2	11	0.11
(1,4822)	1:209:A:GLU:HA	1:226:A:LYS:HA	15	0.11
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	11	0.11
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	11	0.11
(1,4664)	1:204:A:ILE:H	1:230:A:ALA:HA	4	0.11
(1,4620)	1:203:A:HIS:HB2	1:248:A:GLU:H	3	0.11
(1,4618)	1:203:A:HIS:HD2	1:249:A:PHE:HD1	17	0.11
(1,4618)	1:203:A:HIS:HD2	1:249:A:PHE:HD2	17	0.11
(1,4498)	1:198:A:SER:HA	1:201:A:SER:H	3	0.11
(1,4498)	1:198:A:SER:HA	1:201:A:SER:H	4	0.11
(1,4498)	1:198:A:SER:HA	1:201:A:SER:H	6	0.11
(1,4291)	1:191:A:TRP:HE1	1:192:A:ARG:HA	19	0.11
(1,3658)	1:145:A:GLY:H	1:172:A:ARG:HA	15	0.11
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB3	1	0.11
(1,3614)	1:142:A:ARG:HG3	1:146:A:GLU:HB2	1	0.11
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB3	1	0.11
(1,3614)	1:142:A:ARG:HG2	1:146:A:GLU:HB2	1	0.11
(1,2986)	1:122:A:GLN:HA	1:255:A:HIS:HD2	8	0.11
(1,2969)	1:121:A:GLY:HA3	1:294:A:LYS:HZ1	20	0.11
(1,2969)	1:121:A:GLY:HA2	1:294:A:LYS:HZ1	20	0.11
(1,2895)	1:116:A:ASP:H	1:118:A:GLN:HB3	10	0.11
(1,2895)	1:116:A:ASP:H	1:118:A:GLN:HB2	10	0.11
(1,2874)	1:115:A:LYS:HB3	1:118:A:GLN:HB3	17	0.11
(1,2874)	1:115:A:LYS:HB3	1:118:A:GLN:HB2	17	0.11
(1,2874)	1:115:A:LYS:HB2	1:118:A:GLN:HB3	17	0.11
(1,2874)	1:115:A:LYS:HB2	1:118:A:GLN:HB2	17	0.11
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB3	15	0.11
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB2	15	0.11
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB3	15	0.11
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB2	15	0.11
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB3	15	0.11
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB2	15	0.11
(1,2742)	1:106:A:LEU:HD11	1:109:A:LEU:H	3	0.11
(1,2742)	1:106:A:LEU:HD12	1:109:A:LEU:H	3	0.11
(1,2742)	1:106:A:LEU:HD13	1:109:A:LEU:H	3	0.11
(1,2742)	1:106:A:LEU:HD11	1:109:A:LEU:H	14	0.11
(1,2742)	1:106:A:LEU:HD12	1:109:A:LEU:H	14	0.11
(1,2742)	1:106:A:LEU:HD13	1:109:A:LEU:H	14	0.11
(1,2742)	1:106:A:LEU:HD11	1:109:A:LEU:H	15	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2742)	1:106:A:LEU:HD12	1:109:A:LEU:H	15	0.11
(1,2742)	1:106:A:LEU:HD13	1:109:A:LEU:H	15	0.11
(1,2730)	1:106:A:LEU:HD21	1:112:A:ASP:H	18	0.11
(1,2730)	1:106:A:LEU:HD22	1:112:A:ASP:H	18	0.11
(1,2730)	1:106:A:LEU:HD23	1:112:A:ASP:H	18	0.11
(1,2705)	1:105:A:PHE:HD1	1:110:A:GLY:HA3	13	0.11
(1,2705)	1:105:A:PHE:HD1	1:110:A:GLY:HA2	13	0.11
(1,2705)	1:105:A:PHE:HD2	1:110:A:GLY:HA3	13	0.11
(1,2705)	1:105:A:PHE:HD2	1:110:A:GLY:HA2	13	0.11
(1,2687)	1:105:A:PHE:HE1	1:290:A:ASN:HD21	10	0.11
(1,2687)	1:105:A:PHE:HE1	1:290:A:ASN:HD22	10	0.11
(1,2687)	1:105:A:PHE:HE2	1:290:A:ASN:HD21	10	0.11
(1,2687)	1:105:A:PHE:HE2	1:290:A:ASN:HD22	10	0.11
(1,2687)	1:105:A:PHE:HE1	1:290:A:ASN:HD21	20	0.11
(1,2687)	1:105:A:PHE:HE1	1:290:A:ASN:HD22	20	0.11
(1,2687)	1:105:A:PHE:HE2	1:290:A:ASN:HD21	20	0.11
(1,2687)	1:105:A:PHE:HE2	1:290:A:ASN:HD22	20	0.11
(1,2686)	1:105:A:PHE:HZ	1:290:A:ASN:HD21	15	0.11
(1,2686)	1:105:A:PHE:HZ	1:290:A:ASN:HD22	15	0.11
(1,2636)	1:102:A:THR:HA	1:107:A:GLU:HB3	12	0.11
(1,2636)	1:102:A:THR:HA	1:107:A:GLU:HB2	12	0.11
(1,2630)	1:102:A:THR:HG21	1:117:A:SER:HA	3	0.11
(1,2630)	1:102:A:THR:HG22	1:117:A:SER:HA	3	0.11
(1,2630)	1:102:A:THR:HG23	1:117:A:SER:HA	3	0.11
(1,2630)	1:102:A:THR:HG21	1:117:A:SER:HA	8	0.11
(1,2630)	1:102:A:THR:HG22	1:117:A:SER:HA	8	0.11
(1,2630)	1:102:A:THR:HG23	1:117:A:SER:HA	8	0.11
(1,2629)	1:102:A:THR:HB	1:117:A:SER:HA	14	0.11
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA3	9	0.11
(1,2596)	1:99:A:LYS:HG3	1:101:A:GLY:HA2	9	0.11
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA3	9	0.11
(1,2596)	1:99:A:LYS:HG2	1:101:A:GLY:HA2	9	0.11
(1,2578)	1:98:A:ALA:H	1:99:A:LYS:H	2	0.11
(1,2569)	1:98:A:ALA:HA	1:154:A:TRP:HZ2	1	0.11
(1,2413)	1:93:A:HIS:HA	1:96:A:THR:H	18	0.11
(1,2109)	1:84:A:GLY:HA3	1:141:A:THR:HB	13	0.11
(1,2109)	1:84:A:GLY:HA2	1:141:A:THR:HB	13	0.11
(1,2109)	1:84:A:GLY:HA3	1:141:A:THR:HB	17	0.11
(1,2109)	1:84:A:GLY:HA2	1:141:A:THR:HB	17	0.11
(1,2040)	1:81:A:ASN:HA	1:169:A:LYS:HZ2	19	0.11
(1,1947)	1:78:A:ILE:HG23	1:208:A:VAL:HG12	13	0.11
(1,1835)	1:75:A:THR:HB	1:178:A:LEU:H	10	0.11

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,1618)	1:68:A:SER:H	1:210:A:ILE:HG12	12	0.11
(1,1548)	1:67:A:VAL:H	1:210:A:ILE:HG13	8	0.11
(1,1548)	1:67:A:VAL:H	1:210:A:ILE:HG12	8	0.11
(1,1528)	1:67:A:VAL:H	1:224:A:TRP:HZ3	17	0.11
(1,1481)	1:66:A:ARG:HH11	1:222:A:ILE:HG23	17	0.11
(1,1481)	1:66:A:ARG:HH12	1:222:A:ILE:HG23	17	0.11
(1,1430)	1:65:A:VAL:HG11	1:204:A:ILE:HG22	3	0.11
(1,1386)	1:64:A:ARG:H	1:81:A:ASN:HB3	3	0.11
(1,1386)	1:64:A:ARG:H	1:81:A:ASN:HB2	3	0.11
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	5	0.11
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	5	0.11
(1,1156)	1:51:A:LEU:HD21	1:304:A:VAL:HG11	3	0.11
(1,1156)	1:51:A:LEU:HD21	1:304:A:VAL:HG12	3	0.11
(1,1156)	1:51:A:LEU:HD21	1:304:A:VAL:HG13	3	0.11
(1,1156)	1:51:A:LEU:HD22	1:304:A:VAL:HG11	3	0.11
(1,1156)	1:51:A:LEU:HD22	1:304:A:VAL:HG12	3	0.11
(1,1156)	1:51:A:LEU:HD22	1:304:A:VAL:HG13	3	0.11
(1,1156)	1:51:A:LEU:HD23	1:304:A:VAL:HG11	3	0.11
(1,1156)	1:51:A:LEU:HD23	1:304:A:VAL:HG12	3	0.11
(1,1156)	1:51:A:LEU:HD23	1:304:A:VAL:HG13	3	0.11
(1,1055)	1:48:A:PHE:HZ	1:307:A:MET:HB2	20	0.11
(1,927)	1:45:A:LYS:HE3	1:83:A:VAL:HG11	9	0.11
(1,927)	1:45:A:LYS:HE3	1:83:A:VAL:HG12	9	0.11
(1,927)	1:45:A:LYS:HE3	1:83:A:VAL:HG13	9	0.11
(1,927)	1:45:A:LYS:HE2	1:83:A:VAL:HG11	9	0.11
(1,927)	1:45:A:LYS:HE2	1:83:A:VAL:HG12	9	0.11
(1,927)	1:45:A:LYS:HE2	1:83:A:VAL:HG13	9	0.11
(1,884)	1:44:A:ASP:HB3	1:305:A:PHE:HA	18	0.11
(1,884)	1:44:A:ASP:HB2	1:305:A:PHE:HA	18	0.11
(1,567)	1:34:A:GLU:HA	1:122:A:GLN:HE21	18	0.11
(1,567)	1:34:A:GLU:HA	1:122:A:GLN:HE22	18	0.11
(1,507)	1:33:A:ARG:HH11	1:257:A:PHE:HB3	4	0.11
(1,507)	1:33:A:ARG:HH11	1:257:A:PHE:HB2	4	0.11
(1,507)	1:33:A:ARG:HH12	1:257:A:PHE:HB3	4	0.11
(1,507)	1:33:A:ARG:HH12	1:257:A:PHE:HB2	4	0.11
(1,343)	1:29:A:GLU:HA	1:187:A:PHE:HZ	11	0.11
(1,327)	1:29:A:GLU:HA	1:196:A:ILE:HD12	2	0.11
(1,175)	1:22:A:HIS:HD2	1:257:A:PHE:HE1	12	0.11
(1,175)	1:22:A:HIS:HD2	1:257:A:PHE:HE2	12	0.11
(1,155)	1:21:A:ILE:HA	1:24:A:LEU:H	9	0.11
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG11	6	0.1
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG12	6	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(2,22)	1:467:B:TRP:NE1	2:91:C:VAL:HG13	6	0.1
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD21	1	0.1
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD22	1	0.1
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD23	1	0.1
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD21	1	0.1
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD22	1	0.1
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD23	1	0.1
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD21	6	0.1
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD22	6	0.1
(1,24187)	1:317:A:TYR:HE1	2:28:C:LEU:HD23	6	0.1
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD21	6	0.1
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD22	6	0.1
(1,24187)	1:317:A:TYR:HE2	2:28:C:LEU:HD23	6	0.1
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB1	5	0.1
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB2	5	0.1
(1,24184)	1:457:A:VAL:HG21	2:9:C:ALA:HB3	5	0.1
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB1	5	0.1
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB2	5	0.1
(1,24184)	1:457:A:VAL:HG22	2:9:C:ALA:HB3	5	0.1
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB1	5	0.1
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB2	5	0.1
(1,24184)	1:457:A:VAL:HG23	2:9:C:ALA:HB3	5	0.1
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD11	19	0.1
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD12	19	0.1
(1,24176)	1:318:A:LEU:HD11	2:28:C:LEU:HD13	19	0.1
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD11	19	0.1
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD12	19	0.1
(1,24176)	1:318:A:LEU:HD12	2:28:C:LEU:HD13	19	0.1
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD11	19	0.1
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD12	19	0.1
(1,24176)	1:318:A:LEU:HD13	2:28:C:LEU:HD13	19	0.1
(1,24168)	1:353:A:THR:HG21	2:30:C:LEU:HD11	12	0.1
(1,24168)	1:353:A:THR:HG21	2:30:C:LEU:HD12	12	0.1
(1,24168)	1:353:A:THR:HG21	2:30:C:LEU:HD13	12	0.1
(1,24168)	1:353:A:THR:HG22	2:30:C:LEU:HD11	12	0.1
(1,24168)	1:353:A:THR:HG22	2:30:C:LEU:HD12	12	0.1
(1,24168)	1:353:A:THR:HG22	2:30:C:LEU:HD13	12	0.1
(1,24168)	1:353:A:THR:HG23	2:30:C:LEU:HD11	12	0.1
(1,24168)	1:353:A:THR:HG23	2:30:C:LEU:HD12	12	0.1
(1,24168)	1:353:A:THR:HG23	2:30:C:LEU:HD13	12	0.1
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD11	20	0.1
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD12	20	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,24167)	1:395:A:ALA:HB1	2:30:C:LEU:HD13	20	0.1
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD11	20	0.1
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD12	20	0.1
(1,24167)	1:395:A:ALA:HB2	2:30:C:LEU:HD13	20	0.1
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD11	20	0.1
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD12	20	0.1
(1,24167)	1:395:A:ALA:HB3	2:30:C:LEU:HD13	20	0.1
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD11	5	0.1
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD12	5	0.1
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD13	5	0.1
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD11	5	0.1
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD12	5	0.1
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD13	5	0.1
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD11	5	0.1
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD12	5	0.1
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD13	5	0.1
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD11	12	0.1
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD12	12	0.1
(1,24164)	1:447:A:LEU:HD21	2:7:C:ILE:HD13	12	0.1
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD11	12	0.1
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD12	12	0.1
(1,24164)	1:447:A:LEU:HD22	2:7:C:ILE:HD13	12	0.1
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD11	12	0.1
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD12	12	0.1
(1,24164)	1:447:A:LEU:HD23	2:7:C:ILE:HD13	12	0.1
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD11	17	0.1
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD12	17	0.1
(1,24158)	1:419:A:TYR:HE1	2:6:C:LEU:HD13	17	0.1
(1,23944)	1:612:B:ASN:HB3	1:614:B:PHE:H	5	0.1
(1,23399)	1:589:B:PHE:HD1	1:592:B:TRP:HB3	19	0.1
(1,23399)	1:589:B:PHE:HD1	1:592:B:TRP:HB2	19	0.1
(1,23362)	1:588:B:LYS:HB3	1:592:B:TRP:HE1	12	0.1
(1,23362)	1:588:B:LYS:HB2	1:592:B:TRP:HE1	12	0.1
(1,22767)	1:560:B:LYS:HE3	1:566:B:TYR:H	16	0.1
(1,22767)	1:560:B:LYS:HE2	1:566:B:TYR:H	16	0.1
(1,22738)	1:558:B:GLY:H	1:559:B:GLN:H	9	0.1
(1,22714)	1:557:B:ALA:H	1:561:B:VAL:HB	20	0.1
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG3	3	0.1
(1,22707)	1:557:B:ALA:H	1:562:B:PRO:HG2	3	0.1
(1,22665)	1:555:B:ALA:H	1:558:B:GLY:H	18	0.1
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG21	9	0.1
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG22	9	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22631)	1:554:B:PHE:HD1	1:564:B:VAL:HG23	9	0.1
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG21	9	0.1
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG22	9	0.1
(1,22631)	1:554:B:PHE:HD2	1:564:B:VAL:HG23	9	0.1
(1,22626)	1:554:B:PHE:HE1	1:564:B:VAL:HB	11	0.1
(1,22626)	1:554:B:PHE:HE2	1:564:B:VAL:HB	11	0.1
(1,22589)	1:552:B:LYS:HD3	1:554:B:PHE:H	3	0.1
(1,22589)	1:552:B:LYS:HD2	1:554:B:PHE:H	3	0.1
(1,22588)	1:552:B:LYS:HB3	1:554:B:PHE:H	3	0.1
(1,22588)	1:552:B:LYS:HB2	1:554:B:PHE:H	3	0.1
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE1	14	0.1
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE2	14	0.1
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE1	14	0.1
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE2	14	0.1
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE1	17	0.1
(1,22525)	1:549:B:GLN:HE21	1:554:B:PHE:HE2	17	0.1
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE1	17	0.1
(1,22525)	1:549:B:GLN:HE22	1:554:B:PHE:HE2	17	0.1
(1,22521)	1:549:B:GLN:HE21	1:554:B:PHE:HZ	17	0.1
(1,22521)	1:549:B:GLN:HE22	1:554:B:PHE:HZ	17	0.1
(1,22497)	1:548:B:THR:HA	1:560:B:LYS:HB3	9	0.1
(1,22497)	1:548:B:THR:HA	1:560:B:LYS:HB2	9	0.1
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	8	0.1
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	8	0.1
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	8	0.1
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	8	0.1
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG3	10	0.1
(1,22467)	1:547:B:SER:HB3	1:552:B:LYS:HG2	10	0.1
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG3	10	0.1
(1,22467)	1:547:B:SER:HB2	1:552:B:LYS:HG2	10	0.1
(1,22464)	1:547:B:SER:HA	1:552:B:LYS:HD3	9	0.1
(1,22464)	1:547:B:SER:HA	1:552:B:LYS:HD2	9	0.1
(1,22424)	1:546:B:MET:HE1	1:553:B:LEU:HA	13	0.1
(1,22424)	1:546:B:MET:HE2	1:553:B:LEU:HA	13	0.1
(1,22424)	1:546:B:MET:HE3	1:553:B:LEU:HA	13	0.1
(1,22372)	1:544:B:ASP:HB3	1:548:B:THR:HG21	8	0.1
(1,22372)	1:544:B:ASP:HB3	1:548:B:THR:HG22	8	0.1
(1,22372)	1:544:B:ASP:HB3	1:548:B:THR:HG23	8	0.1
(1,22372)	1:544:B:ASP:HB2	1:548:B:THR:HG21	8	0.1
(1,22372)	1:544:B:ASP:HB2	1:548:B:THR:HG22	8	0.1
(1,22372)	1:544:B:ASP:HB2	1:548:B:THR:HG23	8	0.1
(1,22326)	1:541:B:THR:HG21	1:542:B:ASP:H	11	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,22326)	1:541:B:THR:HG22	1:542:B:ASP:H	11	0.1
(1,22326)	1:541:B:THR:HG23	1:542:B:ASP:H	11	0.1
(1,22303)	1:541:B:THR:HA	1:566:B:TYR:HA	3	0.1
(1,22031)	1:533:B:THR:HG21	1:535:B:THR:H	16	0.1
(1,22031)	1:533:B:THR:HG22	1:535:B:THR:H	16	0.1
(1,22031)	1:533:B:THR:HG23	1:535:B:THR:H	16	0.1
(1,21727)	1:523:B:VAL:HA	1:560:B:LYS:HE3	9	0.1
(1,21727)	1:523:B:VAL:HA	1:560:B:LYS:HE2	9	0.1
(1,21714)	1:523:B:VAL:HB	1:567:B:ILE:HA	19	0.1
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD21	4	0.1
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD22	4	0.1
(1,21696)	1:523:B:VAL:HG21	1:601:B:LEU:HD23	4	0.1
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD21	4	0.1
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD22	4	0.1
(1,21696)	1:523:B:VAL:HG22	1:601:B:LEU:HD23	4	0.1
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD21	4	0.1
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD22	4	0.1
(1,21696)	1:523:B:VAL:HG23	1:601:B:LEU:HD23	4	0.1
(1,21439)	1:514:B:ARG:HB3	1:589:B:PHE:HZ	12	0.1
(1,21439)	1:514:B:ARG:HB2	1:589:B:PHE:HZ	12	0.1
(1,21048)	1:499:B:GLU:H	1:500:B:SER:H	5	0.1
(1,21048)	1:499:B:GLU:H	1:500:B:SER:H	20	0.1
(1,20881)	1:474:B:GLU:HG3	1:478:B:LYS:HA	6	0.1
(1,20881)	1:474:B:GLU:HG2	1:478:B:LYS:HA	6	0.1
(1,20831)	1:469:B:MET:HA	1:472:B:LEU:HB3	15	0.1
(1,20831)	1:469:B:MET:HA	1:472:B:LEU:HB2	15	0.1
(1,20775)	1:464:B:ILE:HD11	1:467:B:TRP:HE3	18	0.1
(1,20775)	1:464:B:ILE:HD12	1:467:B:TRP:HE3	18	0.1
(1,20775)	1:464:B:ILE:HD13	1:467:B:TRP:HE3	18	0.1
(1,20383)	1:429:B:LYS:HB3	1:480:B:PHE:HA	5	0.1
(1,20383)	1:429:B:LYS:HB2	1:480:B:PHE:HA	5	0.1
(1,20359)	1:427:B:GLN:HG3	1:431:B:TYR:HE1	9	0.1
(1,20359)	1:427:B:GLN:HG3	1:431:B:TYR:HE2	9	0.1
(1,20359)	1:427:B:GLN:HG2	1:431:B:TYR:HE1	9	0.1
(1,20359)	1:427:B:GLN:HG2	1:431:B:TYR:HE2	9	0.1
(1,20302)	1:422:B:ARG:HB3	1:427:B:GLN:HE21	12	0.1
(1,20302)	1:422:B:ARG:HB3	1:427:B:GLN:HE22	12	0.1
(1,20302)	1:422:B:ARG:HB2	1:427:B:GLN:HE21	12	0.1
(1,20302)	1:422:B:ARG:HB2	1:427:B:GLN:HE22	12	0.1
(1,20171)	1:414:B:VAL:HG21	1:419:B:TYR:H	15	0.1
(1,20171)	1:414:B:VAL:HG22	1:419:B:TYR:H	15	0.1
(1,20171)	1:414:B:VAL:HG23	1:419:B:TYR:H	15	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD11	18	0.1
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD12	18	0.1
(1,19909)	1:397:B:ALA:HB1	1:416:B:LEU:HD13	18	0.1
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD11	18	0.1
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD12	18	0.1
(1,19909)	1:397:B:ALA:HB2	1:416:B:LEU:HD13	18	0.1
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD11	18	0.1
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD12	18	0.1
(1,19909)	1:397:B:ALA:HB3	1:416:B:LEU:HD13	18	0.1
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD11	10	0.1
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD12	10	0.1
(1,19740)	1:384:B:GLU:H	1:464:B:ILE:HD13	10	0.1
(1,19739)	1:384:B:GLU:HA	1:467:B:TRP:HZ3	9	0.1
(1,19720)	1:383:B:LYS:HE3	1:402:B:PHE:HE1	20	0.1
(1,19720)	1:383:B:LYS:HE3	1:402:B:PHE:HE2	20	0.1
(1,19720)	1:383:B:LYS:HE2	1:402:B:PHE:HE1	20	0.1
(1,19720)	1:383:B:LYS:HE2	1:402:B:PHE:HE2	20	0.1
(1,19563)	1:375:B:TRP:HZ2	1:468:B:MET:HE1	20	0.1
(1,19563)	1:375:B:TRP:HZ2	1:468:B:MET:HE2	20	0.1
(1,19563)	1:375:B:TRP:HZ2	1:468:B:MET:HE3	20	0.1
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD21	14	0.1
(1,19143)	1:346:B:ARG:HA	1:350:B:ASN:HD22	14	0.1
(1,18693)	1:312:B:GLN:HE21	1:340:B:GLN:HA	12	0.1
(1,18693)	1:312:B:GLN:HE22	1:340:B:GLN:HA	12	0.1
(1,18586)	1:302:B:GLN:HE21	1:332:B:LEU:HD11	8	0.1
(1,18586)	1:302:B:GLN:HE21	1:332:B:LEU:HD12	8	0.1
(1,18586)	1:302:B:GLN:HE21	1:332:B:LEU:HD13	8	0.1
(1,18586)	1:302:B:GLN:HE22	1:332:B:LEU:HD11	8	0.1
(1,18586)	1:302:B:GLN:HE22	1:332:B:LEU:HD12	8	0.1
(1,18586)	1:302:B:GLN:HE22	1:332:B:LEU:HD13	8	0.1
(1,18334)	1:295:B:HIS:HE1	1:316:B:ASN:HA	18	0.1
(1,18316)	1:293:B:HIS:HE1	1:309:B:ASP:HB3	7	0.1
(1,18316)	1:293:B:HIS:HE1	1:309:B:ASP:HB2	7	0.1
(1,18309)	1:291:B:ARG:HA	1:293:B:HIS:HA	9	0.1
(1,18254)	1:287:B:ASP:HB3	1:292:B:ASP:HB3	16	0.1
(1,18254)	1:287:B:ASP:HB3	1:292:B:ASP:HB2	16	0.1
(1,18254)	1:287:B:ASP:HB2	1:292:B:ASP:HB3	16	0.1
(1,18254)	1:287:B:ASP:HB2	1:292:B:ASP:HB2	16	0.1
(1,18200)	1:283:B:GLN:HG3	1:284:B:ALA:H	2	0.1
(1,18200)	1:283:B:GLN:HG2	1:284:B:ALA:H	2	0.1
(1,18200)	1:283:B:GLN:HG3	1:284:B:ALA:H	18	0.1
(1,18200)	1:283:B:GLN:HG2	1:284:B:ALA:H	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,17947)	1:272:B:GLN:HE21	1:351:B:ALA:H	8	0.1
(1,17947)	1:272:B:GLN:HE22	1:351:B:ALA:H	8	0.1
(1,17919)	1:268:B:VAL:HB	1:272:B:GLN:HB3	5	0.1
(1,17919)	1:268:B:VAL:HB	1:272:B:GLN:HB2	5	0.1
(1,17414)	1:237:B:ASN:HD21	1:238:B:LYS:H	18	0.1
(1,17414)	1:237:B:ASN:HD22	1:238:B:LYS:H	18	0.1
(1,17409)	1:237:B:ASN:HD21	1:239:B:SER:H	15	0.1
(1,17409)	1:237:B:ASN:HD22	1:239:B:SER:H	15	0.1
(1,17371)	1:234:B:TRP:HE1	1:235:B:THR:HB	6	0.1
(1,17352)	1:234:B:TRP:HD1	1:276:B:SER:HA	2	0.1
(1,17341)	1:234:B:TRP:HE1	1:303:B:ARG:HD3	2	0.1
(1,17341)	1:234:B:TRP:HE1	1:303:B:ARG:HD2	2	0.1
(1,17022)	1:212:B:LYS:HD3	1:213:B:ARG:H	5	0.1
(1,17022)	1:212:B:LYS:HD2	1:213:B:ARG:H	5	0.1
(1,17022)	1:212:B:LYS:HD3	1:213:B:ARG:H	18	0.1
(1,17022)	1:212:B:LYS:HD2	1:213:B:ARG:H	18	0.1
(1,16696)	1:203:B:HIS:HD2	1:249:B:PHE:HD1	12	0.1
(1,16696)	1:203:B:HIS:HD2	1:249:B:PHE:HD2	12	0.1
(1,16513)	1:196:B:ILE:HB	1:197:B:ILE:H	13	0.1
(1,16211)	1:182:B:GLU:HG3	1:183:B:GLY:H	4	0.1
(1,16211)	1:182:B:GLU:HG2	1:183:B:GLY:H	4	0.1
(1,15691)	1:142:B:ARG:HD3	1:146:B:GLU:HB3	17	0.1
(1,15691)	1:142:B:ARG:HD3	1:146:B:GLU:HB2	17	0.1
(1,15691)	1:142:B:ARG:HD2	1:146:B:GLU:HB3	17	0.1
(1,15691)	1:142:B:ARG:HD2	1:146:B:GLU:HB2	17	0.1
(1,15619)	1:141:B:THR:HB	1:174:B:THR:HB	15	0.1
(1,15552)	1:139:B:VAL:HB	1:153:B:PHE:HA	7	0.1
(1,15406)	1:136:B:LYS:HA	1:157:B:ALA:HA	11	0.1
(1,15256)	1:131:B:PHE:HZ	1:154:B:TRP:HH2	12	0.1
(1,15126)	1:125:B:VAL:HA	1:128:B:TYR:HB3	20	0.1
(1,15126)	1:125:B:VAL:HA	1:128:B:TYR:HB2	20	0.1
(1,14909)	1:112:B:ASP:HA	1:115:B:LYS:H	12	0.1
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE21	3	0.1
(1,14839)	1:107:B:GLU:HB3	1:113:B:GLN:HE22	3	0.1
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE21	3	0.1
(1,14839)	1:107:B:GLU:HB2	1:113:B:GLN:HE22	3	0.1
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB1	10	0.1
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB2	10	0.1
(1,14802)	1:106:B:LEU:HB3	1:114:B:ALA:HB3	10	0.1
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB1	10	0.1
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB2	10	0.1
(1,14802)	1:106:B:LEU:HB2	1:114:B:ALA:HB3	10	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD21	7	0.1
(1,14764)	1:105:B:PHE:HZ	1:290:B:ASN:HD22	7	0.1
(1,14749)	1:104:B:SER:HB3	1:106:B:LEU:H	10	0.1
(1,14749)	1:104:B:SER:HB2	1:106:B:LEU:H	10	0.1
(1,14727)	1:103:B:LYS:HB3	1:108:B:SER:H	18	0.1
(1,14727)	1:103:B:LYS:HB2	1:108:B:SER:H	18	0.1
(1,14561)	1:95:B:GLY:HA3	1:99:B:LYS:H	17	0.1
(1,14561)	1:95:B:GLY:HA2	1:99:B:LYS:H	17	0.1
(1,14557)	1:95:B:GLY:HA3	1:154:B:TRP:HE1	3	0.1
(1,14557)	1:95:B:GLY:HA2	1:154:B:TRP:HE1	3	0.1
(1,14479)	1:93:B:HIS:HB3	1:119:B:LEU:HA	17	0.1
(1,14479)	1:93:B:HIS:HB2	1:119:B:LEU:HA	17	0.1
(1,14283)	1:86:B:THR:HB	1:87:B:ARG:H	1	0.1
(1,13498)	1:65:B:VAL:HG13	1:206:B:LEU:HA	10	0.1
(1,13498)	1:65:B:VAL:HG13	1:206:B:LEU:HA	14	0.1
(1,13239)	1:51:B:LEU:HA	1:54:B:PRO:HA	19	0.1
(1,12722)	1:36:B:ILE:HD11	1:200:B:TYR:HD1	20	0.1
(1,12722)	1:36:B:ILE:HD12	1:200:B:TYR:HD1	20	0.1
(1,12722)	1:36:B:ILE:HD13	1:200:B:TYR:HD1	20	0.1
(1,12551)	1:32:B:LEU:HB3	1:187:B:PHE:HD1	17	0.1
(1,12524)	1:32:B:LEU:HB3	1:200:B:TYR:HD1	1	0.1
(1,12524)	1:32:B:LEU:HB2	1:200:B:TYR:HD1	1	0.1
(1,12524)	1:32:B:LEU:HB3	1:200:B:TYR:HD1	19	0.1
(1,12524)	1:32:B:LEU:HB2	1:200:B:TYR:HD1	19	0.1
(1,12426)	1:29:B:GLU:HB3	1:187:B:PHE:HE1	14	0.1
(1,12426)	1:29:B:GLU:HB3	1:187:B:PHE:HE2	14	0.1
(1,12426)	1:29:B:GLU:HB2	1:187:B:PHE:HE1	14	0.1
(1,12426)	1:29:B:GLU:HB2	1:187:B:PHE:HE2	14	0.1
(1,12405)	1:29:B:GLU:HA	1:196:B:ILE:HD12	17	0.1
(1,12117)	1:16:B:LEU:HD21	1:20:B:MET:HE1	8	0.1
(1,12117)	1:16:B:LEU:HD21	1:20:B:MET:HE2	8	0.1
(1,12117)	1:16:B:LEU:HD21	1:20:B:MET:HE3	8	0.1
(1,12117)	1:16:B:LEU:HD22	1:20:B:MET:HE1	8	0.1
(1,12117)	1:16:B:LEU:HD22	1:20:B:MET:HE2	8	0.1
(1,12117)	1:16:B:LEU:HD22	1:20:B:MET:HE3	8	0.1
(1,12117)	1:16:B:LEU:HD23	1:20:B:MET:HE1	8	0.1
(1,12117)	1:16:B:LEU:HD23	1:20:B:MET:HE2	8	0.1
(1,12117)	1:16:B:LEU:HD23	1:20:B:MET:HE3	8	0.1
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG11	18	0.1
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG12	18	0.1
(1,12026)	1:620:A:GLN:HE21	1:623:A:VAL:HG13	18	0.1
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG11	18	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG12	18	0.1
(1,12026)	1:620:A:GLN:HE22	1:623:A:VAL:HG13	18	0.1
(1,11374)	1:591:A:GLU:HA	1:594:A:GLU:HG3	17	0.1
(1,11374)	1:591:A:GLU:HA	1:594:A:GLU:HG2	17	0.1
(1,11001)	1:574:A:HIS:HE1	1:575:A:VAL:HB	11	0.1
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD11	12	0.1
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD12	12	0.1
(1,10933)	1:571:A:ASN:H	1:596:A:LEU:HD13	12	0.1
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG11	19	0.1
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG12	19	0.1
(1,10737)	1:561:A:VAL:H	1:564:A:VAL:HG13	19	0.1
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG3	3	0.1
(1,10629)	1:557:A:ALA:H	1:562:A:PRO:HG2	3	0.1
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB3	5	0.1
(1,10496)	1:552:A:LYS:HE3	1:563:A:GLU:HB2	5	0.1
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB3	5	0.1
(1,10496)	1:552:A:LYS:HE2	1:563:A:GLU:HB2	5	0.1
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD21	5	0.1
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD22	5	0.1
(1,10488)	1:551:A:ALA:H	1:553:A:LEU:HD23	5	0.1
(1,10470)	1:550:A:MET:HE1	1:553:A:LEU:HD21	1	0.1
(1,10470)	1:550:A:MET:HE1	1:553:A:LEU:HD22	1	0.1
(1,10470)	1:550:A:MET:HE1	1:553:A:LEU:HD23	1	0.1
(1,10470)	1:550:A:MET:HE2	1:553:A:LEU:HD21	1	0.1
(1,10470)	1:550:A:MET:HE2	1:553:A:LEU:HD22	1	0.1
(1,10470)	1:550:A:MET:HE2	1:553:A:LEU:HD23	1	0.1
(1,10470)	1:550:A:MET:HE3	1:553:A:LEU:HD21	1	0.1
(1,10470)	1:550:A:MET:HE3	1:553:A:LEU:HD22	1	0.1
(1,10470)	1:550:A:MET:HE3	1:553:A:LEU:HD23	1	0.1
(1,10470)	1:550:A:MET:HE1	1:553:A:LEU:HD21	20	0.1
(1,10470)	1:550:A:MET:HE1	1:553:A:LEU:HD22	20	0.1
(1,10470)	1:550:A:MET:HE1	1:553:A:LEU:HD23	20	0.1
(1,10470)	1:550:A:MET:HE2	1:553:A:LEU:HD21	20	0.1
(1,10470)	1:550:A:MET:HE2	1:553:A:LEU:HD22	20	0.1
(1,10470)	1:550:A:MET:HE2	1:553:A:LEU:HD23	20	0.1
(1,10470)	1:550:A:MET:HE3	1:553:A:LEU:HD21	20	0.1
(1,10470)	1:550:A:MET:HE3	1:553:A:LEU:HD22	20	0.1
(1,10470)	1:550:A:MET:HE3	1:553:A:LEU:HD23	20	0.1
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	4	0.1
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	4	0.1
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	4	0.1
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	4	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG3	6	0.1
(1,10389)	1:547:A:SER:HB3	1:552:A:LYS:HG2	6	0.1
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG3	6	0.1
(1,10389)	1:547:A:SER:HB2	1:552:A:LYS:HG2	6	0.1
(1,10366)	1:547:A:SER:HA	1:564:A:VAL:HA	5	0.1
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD11	2	0.1
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD12	2	0.1
(1,10306)	1:545:A:GLU:HG3	1:553:A:LEU:HD13	2	0.1
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD11	2	0.1
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD12	2	0.1
(1,10306)	1:545:A:GLU:HG2	1:553:A:LEU:HD13	2	0.1
(1,10305)	1:545:A:GLU:HA	1:604:A:GLU:HG3	6	0.1
(1,10305)	1:545:A:GLU:HA	1:604:A:GLU:HG2	6	0.1
(1,10232)	1:541:A:THR:HG21	1:547:A:SER:HB3	11	0.1
(1,10232)	1:541:A:THR:HG21	1:547:A:SER:HB2	11	0.1
(1,10232)	1:541:A:THR:HG22	1:547:A:SER:HB3	11	0.1
(1,10232)	1:541:A:THR:HG22	1:547:A:SER:HB2	11	0.1
(1,10232)	1:541:A:THR:HG23	1:547:A:SER:HB3	11	0.1
(1,10232)	1:541:A:THR:HG23	1:547:A:SER:HB2	11	0.1
(1,10221)	1:541:A:THR:HA	1:567:A:ILE:HB	18	0.1
(1,10105)	1:538:A:ILE:H	1:568:A:PHE:HZ	16	0.1
(1,9953)	1:533:A:THR:HG21	1:535:A:THR:H	3	0.1
(1,9953)	1:533:A:THR:HG22	1:535:A:THR:H	3	0.1
(1,9953)	1:533:A:THR:HG23	1:535:A:THR:H	3	0.1
(1,9504)	1:518:A:LEU:HD11	1:593:A:VAL:HB	18	0.1
(1,9504)	1:518:A:LEU:HD12	1:593:A:VAL:HB	18	0.1
(1,9504)	1:518:A:LEU:HD13	1:593:A:VAL:HB	18	0.1
(1,9470)	1:516:A:LYS:HE3	1:520:A:GLY:HA3	2	0.1
(1,9470)	1:516:A:LYS:HE3	1:520:A:GLY:HA2	2	0.1
(1,9470)	1:516:A:LYS:HE2	1:520:A:GLY:HA3	2	0.1
(1,9470)	1:516:A:LYS:HE2	1:520:A:GLY:HA2	2	0.1
(1,9320)	1:512:A:ILE:HB	1:526:A:VAL:HB	10	0.1
(1,9247)	1:511:A:PHE:HE1	1:596:A:LEU:HD11	6	0.1
(1,9247)	1:511:A:PHE:HE1	1:596:A:LEU:HD12	6	0.1
(1,9247)	1:511:A:PHE:HE1	1:596:A:LEU:HD13	6	0.1
(1,9247)	1:511:A:PHE:HE2	1:596:A:LEU:HD11	6	0.1
(1,9247)	1:511:A:PHE:HE2	1:596:A:LEU:HD12	6	0.1
(1,9247)	1:511:A:PHE:HE2	1:596:A:LEU:HD13	6	0.1
(1,9062)	1:503:A:GLU:HA	1:506:A:LYS:HG3	7	0.1
(1,9062)	1:503:A:GLU:HA	1:506:A:LYS:HG2	7	0.1
(1,8986)	1:500:A:SER:HB3	1:532:A:LEU:HD11	3	0.1
(1,8909)	1:497:A:VAL:HA	1:532:A:LEU:HD21	1	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,8909)	1:497:A:VAL:HA	1:532:A:LEU:HD22	1	0.1
(1,8909)	1:497:A:VAL:HA	1:532:A:LEU:HD23	1	0.1
(1,8909)	1:497:A:VAL:HA	1:532:A:LEU:HD21	9	0.1
(1,8909)	1:497:A:VAL:HA	1:532:A:LEU:HD22	9	0.1
(1,8909)	1:497:A:VAL:HA	1:532:A:LEU:HD23	9	0.1
(1,8803)	1:474:A:GLU:HG3	1:478:A:LYS:HA	9	0.1
(1,8803)	1:474:A:GLU:HG2	1:478:A:LYS:HA	9	0.1
(1,8644)	1:456:A:GLU:HG3	1:457:A:VAL:H	2	0.1
(1,8644)	1:456:A:GLU:HG2	1:457:A:VAL:H	2	0.1
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG21	17	0.1
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG22	17	0.1
(1,8634)	1:455:A:ILE:HB	1:457:A:VAL:HG23	17	0.1
(1,8235)	1:423:A:MET:HE1	1:430:A:ILE:HA	19	0.1
(1,8235)	1:423:A:MET:HE2	1:430:A:ILE:HA	19	0.1
(1,8235)	1:423:A:MET:HE3	1:430:A:ILE:HA	19	0.1
(1,8027)	1:406:A:HIS:HA	1:422:A:ARG:HD3	11	0.1
(1,8027)	1:406:A:HIS:HA	1:422:A:ARG:HD2	11	0.1
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG21	6	0.1
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG22	6	0.1
(1,6760)	1:318:A:LEU:HD11	1:353:A:THR:HG23	6	0.1
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG21	6	0.1
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG22	6	0.1
(1,6760)	1:318:A:LEU:HD12	1:353:A:THR:HG23	6	0.1
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG21	6	0.1
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG22	6	0.1
(1,6760)	1:318:A:LEU:HD13	1:353:A:THR:HG23	6	0.1
(1,6410)	1:299:A:LEU:HD21	1:307:A:MET:HE1	9	0.1
(1,6410)	1:299:A:LEU:HD21	1:307:A:MET:HE2	9	0.1
(1,6410)	1:299:A:LEU:HD21	1:307:A:MET:HE3	9	0.1
(1,6410)	1:299:A:LEU:HD22	1:307:A:MET:HE1	9	0.1
(1,6410)	1:299:A:LEU:HD22	1:307:A:MET:HE2	9	0.1
(1,6410)	1:299:A:LEU:HD22	1:307:A:MET:HE3	9	0.1
(1,6410)	1:299:A:LEU:HD23	1:307:A:MET:HE1	9	0.1
(1,6410)	1:299:A:LEU:HD23	1:307:A:MET:HE2	9	0.1
(1,6410)	1:299:A:LEU:HD23	1:307:A:MET:HE3	9	0.1
(1,6224)	1:290:A:ASN:HB3	1:292:A:ASP:H	11	0.1
(1,6224)	1:290:A:ASN:HB2	1:292:A:ASP:H	11	0.1
(1,6210)	1:289:A:TRP:HH2	1:381:A:VAL:HA	18	0.1
(1,6161)	1:286:A:TRP:HZ3	1:290:A:ASN:HA	7	0.1
(1,6104)	1:282:A:SER:HA	1:378:A:PHE:HZ	5	0.1
(1,5953)	1:276:A:SER:HB3	1:325:A:ILE:HB	2	0.1
(1,5953)	1:276:A:SER:HB2	1:325:A:ILE:HB	2	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,5631)	1:257:A:PHE:H	1:258:A:ASN:H	6	0.1
(1,5331)	1:237:A:ASN:HD21	1:239:A:SER:H	19	0.1
(1,5331)	1:237:A:ASN:HD22	1:239:A:SER:H	19	0.1
(1,5190)	1:230:A:ALA:H	1:236:A:ARG:HH11	17	0.1
(1,5179)	1:229:A:LYS:HD3	1:236:A:ARG:HD3	8	0.1
(1,5179)	1:229:A:LYS:HD3	1:236:A:ARG:HD2	8	0.1
(1,5179)	1:229:A:LYS:HD2	1:236:A:ARG:HD3	8	0.1
(1,5179)	1:229:A:LYS:HD2	1:236:A:ARG:HD2	8	0.1
(1,5179)	1:229:A:LYS:HD3	1:236:A:ARG:HD3	15	0.1
(1,5179)	1:229:A:LYS:HD3	1:236:A:ARG:HD2	15	0.1
(1,5179)	1:229:A:LYS:HD2	1:236:A:ARG:HD3	15	0.1
(1,5179)	1:229:A:LYS:HD2	1:236:A:ARG:HD2	15	0.1
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB3	1	0.1
(1,4778)	1:208:A:VAL:H	1:228:A:ASN:HB2	1	0.1
(1,4724)	1:206:A:LEU:H	1:228:A:ASN:HD21	10	0.1
(1,4724)	1:206:A:LEU:H	1:228:A:ASN:HD22	10	0.1
(1,4498)	1:198:A:SER:HA	1:201:A:SER:H	12	0.1
(1,4450)	1:197:A:ILE:HG21	1:227:A:ILE:HD11	20	0.1
(1,4450)	1:197:A:ILE:HG21	1:227:A:ILE:HD12	20	0.1
(1,4450)	1:197:A:ILE:HG21	1:227:A:ILE:HD13	20	0.1
(1,4450)	1:197:A:ILE:HG22	1:227:A:ILE:HD11	20	0.1
(1,4450)	1:197:A:ILE:HG22	1:227:A:ILE:HD12	20	0.1
(1,4450)	1:197:A:ILE:HG22	1:227:A:ILE:HD13	20	0.1
(1,4450)	1:197:A:ILE:HG23	1:227:A:ILE:HD11	20	0.1
(1,4450)	1:197:A:ILE:HG23	1:227:A:ILE:HD12	20	0.1
(1,4450)	1:197:A:ILE:HG23	1:227:A:ILE:HD13	20	0.1
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD3	6	0.1
(1,4430)	1:196:A:ILE:HA	1:199:A:LYS:HD2	6	0.1
(1,3324)	1:136:A:LYS:HE3	1:177:A:THR:HG21	5	0.1
(1,3324)	1:136:A:LYS:HE3	1:177:A:THR:HG22	5	0.1
(1,3324)	1:136:A:LYS:HE3	1:177:A:THR:HG23	5	0.1
(1,3324)	1:136:A:LYS:HE2	1:177:A:THR:HG21	5	0.1
(1,3324)	1:136:A:LYS:HE2	1:177:A:THR:HG22	5	0.1
(1,3324)	1:136:A:LYS:HE2	1:177:A:THR:HG23	5	0.1
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB3	7	0.1
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB2	7	0.1
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB3	7	0.1
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB2	7	0.1
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB3	7	0.1
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB2	7	0.1
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB3	8	0.1
(1,2789)	1:109:A:LEU:HD11	1:113:A:GLN:HB2	8	0.1

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Key	Atom-1	Atom-2	Model ID	Violation (Å)
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB3	8	0.1
(1,2789)	1:109:A:LEU:HD12	1:113:A:GLN:HB2	8	0.1
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB3	8	0.1
(1,2789)	1:109:A:LEU:HD13	1:113:A:GLN:HB2	8	0.1
(1,2680)	1:104:A:SER:HA	1:105:A:PHE:HD1	4	0.1
(1,2680)	1:104:A:SER:HA	1:105:A:PHE:HD2	4	0.1
(1,2578)	1:98:A:ALA:H	1:99:A:LYS:H	19	0.1
(1,2405)	1:93:A:HIS:HA	1:119:A:LEU:HD11	1	0.1
(1,2405)	1:93:A:HIS:HA	1:119:A:LEU:HD12	1	0.1
(1,2405)	1:93:A:HIS:HA	1:119:A:LEU:HD13	1	0.1
(1,2133)	1:85:A:MET:H	1:142:A:ARG:HA	15	0.1
(1,1528)	1:67:A:VAL:H	1:224:A:TRP:HZ3	3	0.1
(1,1385)	1:64:A:ARG:HH11	1:81:A:ASN:H	12	0.1
(1,1385)	1:64:A:ARG:HH12	1:81:A:ASN:H	12	0.1
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD21	20	0.1
(1,1340)	1:63:A:LEU:HA	1:81:A:ASN:HD22	20	0.1
(1,1023)	1:47:A:ARG:HE	1:63:A:LEU:H	3	0.1
(1,807)	1:41:A:ASP:HA	1:44:A:ASP:HB3	19	0.1
(1,807)	1:41:A:ASP:HA	1:44:A:ASP:HB2	19	0.1
(1,507)	1:33:A:ARG:HH11	1:257:A:PHE:HB3	12	0.1
(1,507)	1:33:A:ARG:HH11	1:257:A:PHE:HB2	12	0.1
(1,507)	1:33:A:ARG:HH12	1:257:A:PHE:HB3	12	0.1
(1,507)	1:33:A:ARG:HH12	1:257:A:PHE:HB2	12	0.1
(1,337)	1:29:A:GLU:HG3	1:192:A:ARG:HE	20	0.1
(1,337)	1:29:A:GLU:HG2	1:192:A:ARG:HE	20	0.1
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	5	0.1
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	5	0.1
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	5	0.1
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD11	12	0.1
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD12	12	0.1
(1,157)	1:21:A:ILE:HA	1:24:A:LEU:HD13	12	0.1
(1,75)	1:18:A:HIS:HB3	1:257:A:PHE:HE1	8	0.1
(1,75)	1:18:A:HIS:HB2	1:257:A:PHE:HE1	8	0.1

10 Dihedral-angle violation analysis

No dihedral-angle restraints found